

PROGRAMME SCHEDULE (VIRTUAL CONFERENCE)
ICONN-2021 SRM IST, FEBRAURY 1-3, 2021

DAY – 1		01-02-2021	MONDAY
09:00 – 10:00 [IST]		INAUGURAL FUNCTION	
09:00		Invocation	
09:03		Lighting the Kuthuvilakku	
09:05	Welcome Note & About the Conference	Dr. D. John Thiruvadigal Convener, ICONN 2021	
09:10	Presidential Address	Dr. Sandeep Sancheti Vice Chancellor, SRM IST	
09:20	Release of Conference Proceedings	Dr. C. Muthamizhchelvan Pro-VC (Engg.& Tech.),SRM IST	
09:23	Inaugural Address	Prof.Ashutosh Sharma Secretary, Department of Science and Technology, Govt.of India CV Seshadri Chair Professor, Dept. of Chemical Engg., IIT Kanpur	
09:48	Announcement of SRM-ICONN Award of excellence in Nanoscience and Nanotechnology	Prof. Ramamoorthy Ramesh University of California, Berkely, CA	
09:53	Vote of Thanks	Dr. S. Ponnusamy Controller of Examinations SRMIST	
09:57		National Anthem	
10:00 – 11:30		KEYNOTE LECTURES	
Chair Person		: Prof. Yuri Kivshar Australian National University, Canberra, Australia	
Repertoire		: Dr. K. Kamala Bharathi Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
KL1 10:00- 10:45	Observation of room temperature polar skyrmions Prof. Ramamoorthy Ramesh University of California, Berkeley, CA		
KL2 10:45-11:30	Recent progress in transparent oxide semiconductors Prof. Hideo Hosono Tokyo Institute of Technology, Japan		
11:30 – 13:00		KEYNOTE LECTURES	
Chair Person		: Prof. Shanthi Prince Department of Electronics and Communication Engineering , SRM IST, Kattankulathur	
Repertoire		: Dr. Mangalampalli Kiran Department of Physics and Nanotechnology, SRM IST, Kattankulathur	

KL3 11:30-12:15	Semiconductor Nanowires for Optoelectronics Applications Prof. Chennupati Jagadish The Australian National University, Canberra, Australia
KL4 12:15-13:00	Spintronics Nanodevice - From SMALL to SMART Prof. Hedio Ohno Tohoku University, Japan
13.00 -13:10	Greetings by Prof. Yasuto Shirai , Shizuoka University, Japan and Dr. John V Kennedy , GNS Science, New Zealand
13.10 -13:35	BREAK
13:35 – 15:05	SESSION – 1A Nanotribology PARALLEL SESSION
Chair Person	: Prof. Masakazu kimura Shizuoka University, Japan
Repertoire	: Dr. S. Yuvaraj Department of Physics and Nanotechnology, SRM IST, Kattankulathur
Invited Lecture (IL)1 13:35-14:05	Rheology Meets Tribology: Updated “Stribeck Curve” for the Lubrication between Smooth Surfaces Prof. Shinji YAMADA Kao Corporation, Japan
IL2 14:05-14:35	Resistive Switching, Photoabsorption and DNA Biocompatibility for Ion irradiated TiO₂ (110) Prof. Shikha Varma Institute of Physics, Bhubaneswar, India.
Contributory Lecture (CL)1 14:35-14:45 (Abstract No. 252)	Exciton Mott Transition in an Asymmetric Double Quantum Well: Thomas-Fermi Dielectric Screening G Vignesh¹, P Nithiananthi² ¹ Department of Physics, St. Joseph’s College (Autonomous), Bangalore, Karnataka, India, 560027 ² Nanostructure Lab, Department of Physics, The Gandhigram Rural Institute – Deemed to be University, Gandhigram, Tamilnadu, India, 624302
CL2 14:45-14:55 (Abstract No. 604)	Experimental Investigation of Mechanical and Wear Behaviour of Cu-V₂O₅-Gr composites J Jabinth¹, Selvakumar N² ¹ Ramco Institute of Technology, Rajapalayam, Tamilnadu, India, 626117 ² Mepco Schlenk Engineering College, Sivakasi, Tamilnadu, India, 626005
CL3 14:55-15:05 (Abstract No. 1044)	Investigation of Microstructural, Mechanical and Tribological properties of Al8011-TiC Metal Matrix Composite Ragunath Palanichamy¹, Jayakumar Lakshmiathy² ¹ Arunai Engineering College, Tiruvannamalai, Tamilnadu, India, 606603 ² Arunai Engineering College, Tiruvannamalai, Tamilnadu, India, 606603
13:35 – 15:05	SESSION – 1B Sensors, actuators and NEMS/MEMS PARALLEL SESSION
Chair Person	: Prof. A. K. Jayaanthi Department of Biomedical Engineering, SRMIST, Chennai, India
Repertoire	: Dr. V. Ganesh Department of Physics and Nanotechnology, SRM IST, Kattankulathur

IL3 13:35-14:05	Interdisciplinary research of organic transistors: microfluidics, molecular recognition chemistry, and chemical sensing Prof. Tsuyoshi Minami The University of Tokyo, Japan
IL4 14:05-14:35	Preparation and property of thin film gas sensor for combustive gases Prof. Naoki Wakiya Shizuoka University, Japan
CL4 14:35-14:45 (Abstract No. 31)	Preparation of PVDF Matrix encapsulated with Quasi-2D Graphene Nano-flakes for Optoelectronic Devices Pooja Shukla^{†‡§} and Arijit Sen^{†‡§*} [†] SRM Research Institute, SRM Institute of Science and Technology, Chennai-603203. [‡] Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Chennai-603203, India [§] Department of Electrical and Computer Engineering, College of Science and Engineering, University of Minnesota, Twin Cities, MN.
CL5 14:45-14:55 (Abstract No.285)	Negative Schottky barrier height and surface inhomogeneity in n-Silicon M-I-S structures C. P. Harisha^{1, 2, 4, a)}, M.-H. Liao¹, C.-C. Kei³, and S. Joshi² ¹ Department of Mechanical Engineering, National Taiwan University, Taipei, Taiwan, R. O. C., 10617 ² Centre for Nano Technology, Department of Mechanical Engineering, The National Institute of Engineering, Mysuru, India - 570008 ³ Taiwan Instrument Research Institute, National Applied Research Laboratories, Taiwan, R.O.C., 30076 ⁴ Government Polytechnic, Harapanahalli, Karnataka, India – 583131
CL6 14:55-15:05 (Abstract No. 356)	Mesoporous Silica Monolith Based Colorimetric Probes for Co²⁺ Ions M. Thirumalai, D. Prabhakaran and M. AkhilaMaheswari* Department of Chemistry, School of Advanced Science, Vellore Institute of Technology, Vellore, Tamil Nadu 632014, INDIA.
13:35 – 15:10 SESSION – 1C PARALLEL SESSION ACCMS Symposium on Computational materials, methods and numerical techniques	
Chair Person : Dr. Saurabh Ghosh Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
Repertoire : Dr. V. J. Surya Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
Theme Lecture (TL) 01 13:35-14:10	Is Materials Informatics Useful to Predict New Useful Materials? Prof. Yoshiyuki Kawazoe Tohoku University, Japan
IL5 14:10-14:40	Nano-defects formed under neutron irradiation in fusion reactors: First-principles based modelling and experimental validation Prof. Nyugen-Manh Duc Culham Centre for Fusion Energy, United Kingdom
CL7 14:40-14:50 (Abstract No. 480)	Electronic Structure of Configuration Averaged Two Dimensional Random (C₂)_x(BN)_{1-x} Alloy Sujoy Datta¹ ¹ University of Calcutta, 92 A P C Road, Kolkata 700009, India.
CL8 14:50-15:00 (Abstract No. 602)	Machine learning bandgaps of organometal halide perovskites Soumya S. Bhat, Sanjay Nayak, Satadeep Bhattacharjee, and Seung-Cheol Lee Indo-Korea Science and Technology Center (IKST), Bangalore, India, 560064.

13:35 – 15:10		SESSION – 1D	PARALLEL SESSION
Complex and Meta-Nanophotonics: Classical to Quantum			
Chair Person		:Prof. R. Jayavel Anna University, Chennai-25	
Repertoire		: Dr. Junaid Masud Laskar Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
TL02 13:35-14:10	TL02 Artificial muscles and smart photonic materials Prof. Diederik Wiersma LENS, University of Florence, Italy		
IL6 14:10-14:40	Plug-and-play and scalable single-photon sources based on quantum dots Dr. Leonardo Midolo Niels Bohr Institute, Copenhagen, Denmark		
CL10 14:40-14:50 (Abstract No.431)	Evanescent wave absorption-based gold nanoparticles immobilization in selective area for photonic sensors Sonatan Das ^{1*} , Dilip Kumar Agarwal ² , Amrit Patnaik ¹ , V. Ramgopal Rao ^{1,3} , Tapanendu Kundu ^{1,2} ¹ Centre for Research in Nanotechnology & Science, Indian Institute of Technology Bombay, Mumbai-40076, India. ² Department of Physics, Indian Institute of Technology Bombay, Mumbai-40076. ³ Centre for Excellence in Nanoelectronics, Indian Institute of Technology Bombay, Mumbai-40076, India.		
CL11 14:50-15:00 (Abstract No.451)	Light induced unique attributes of WS ₂ nanosheets based device leading to generation and amplification of random noise Ashamoni Neog ¹ and Rajib Biswas ^{*,1} ¹ Department of Physics, Tezpur University, Napaam, Assam-784028.		
CL12 15:00-15:10 (Abstract No.114)	Spectroscopic investigation and laser characteristics of Sm ³⁺ doped fluoroborate glasses for orange emission applications Adon Jose ¹ , T Krishnapriya ¹ , Twinkle Anna Jose ¹ , Sreedevi S ¹ , Cyriac Joseph ¹ , P R Biju ¹ ¹ School of Pure & Applied Physics, Mahatma Gandhi University.		
13:35 – 15:05		SESSION – 1E	PARALLEL SESSION
Low-dimensional and 2D materials, Surfaces, interfaces and thin films/ Nanocomposites and catalysts			
Chair Person		: Prof. Kazuhiko Hara Shizuoka University, Japan	
Repertoire		: Dr. Varrla Eswaraiah Department of Physics and Nanotechnology, SRM IST, Kattankulathur	

IL7 13:35-14:05	Cross sectional AFM analysis of thin films Prof. Naonori Sakamoto Shizuoka University, Japan
IL8 14:05-14:35	Property control of 2D layered nanostructures via tailoring of its orientation and composition Dr. Ivan Merenkov Russian Academy of Sciences, Novosibirsk, Russia.
CL13 14:35-14:45 (Abstract No.18)	A study on the growth behaviour of size-selected Ag-nanocluster films Pintu Barman^{1,2*} , Anindita Deka ^{1,2} , Supratic Chakraborty ¹ , and Satyaranjan Bhattacharyya ¹ ¹ Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata-700064, India ² Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai 400094, India.
CL14 14:45-14:55 (Abstract No.41)	Preparation of hybrid paper electrode based on graphene-hexagonal boron nitride nanocomposite for free-standing flexible supercapacitors R. Jerome¹ and Ashok K. Sundramoorthy ^{1*} ¹ Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur-603 203, Tamil Nadu, India.
CL15 14:55-15:05 (Abstract No.89)	Plasmonic structured CuO Nanofoams for optical Absorption Enhancements towards water-splitting applications Venumbaka Maneesh Reddy¹ , N. Soujanya ¹ , Abhishek Kumar Shrivastava ¹ , Selvakumar Duraisamy ² , Marepally Bhanu Chandra ^{1*} ¹ Dept. of Electronics and Communication Engg., Koneru Lakshmaiah Education Foundation, Hyderabad, T.S. India – 500075 ² Dept. of Electronics and Communication Engg., Sri Krishna College of Engg. and Tech., Coimbatore, T.N. India – 641008.
13:35 – 15:10	
SESSION – 1F	
PARALLEL SESSION	
Manipulation and characterization of materials at nanoscale/atomic scale	
Chair Person	: Dr. Abdelfattah Mahmoud , The University of Liège, Belgium
Repertoire	: Dr. Venkataprasad Bhat SRM Research Institute, SRM IST, Kattankulathur
IL9 13:35-14:05	High Resolution Imaging of Ion-Distribution with Electron Beam Excitation Prof. Yoshimasa Kawata , Shizuoka University, Japan
TL03 14:05-14:40	2D materials and composites for wastewater treatment and recycling of batteries Prof. Satheesh Krishnamurthy The Open University, UK.
CL16 14:40-14:50 (Abstract No.34)	Electron Microscopic Study of Temperature-Dependent Interfacial behavior of Au@SiO₂ Core-shell Nanoparticles on Two Different Substrates Susheel Kumar Gundanna¹ , Arijit Mitra ² , Lakshminarayana K G Bhatta ¹ , and Umananda M Bhatta ¹ ¹ Centre for Incubation, Innovation, Research and Consultancy, Jyothy Institute of Technology, Visvesvaraya Technological University, Bengaluru - 560082, India ² Institute of Physics, Sachivalaya Marg, Bhubaneswar - 751005, India
CL17 14:50-15:00 (Abstract No.47)	Silver doped TiO₂ thin film: Synthesis through the hydrothermal process and its characterization Shailendra Kr. Singh^{1,2} Mukul Chandra Paul ^{1,2} ¹ Academy of Scientific and Innovative Research (AcSIR) Ghaziabad-201002, India ² Fiber Optics & Photonics Division, CSIR-Central Glass & Ceramic Research Institute Kolkata-700032, India.
CL18 15:00-15:10 (Abstract No.1120)	Synthesis and Characterization of Iron oxide Nanoparticles: A Green Approach. Rabi Garba Ahmad^{*1&2} and Asst. Prof. Dr. Vineet Kumar ¹ ¹ Department of Biotechnology, School of Bioengineering and Biosciences, LFTS, Lovely Professional

	University, Phagwara, Punjab- 144111. ² Department of Biology, School of Science Education, Sa’adatuRimi College of Education Kumbotso Kano, Nigeria P.M.B. 3218.	
13:35 – 15:05		
SESSION – 1G		
Molecular and Nanoelectronics		
PARALLEL SESSION		
Chair Person	: Prof. Masaru Shimomura Shizuoka University, Japan	
Repertoire	: Dr. Rohit Dhir Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL10 13:35-14:05	Band-to-Band Tunneling in Highly-Doped Silicon-on-Insulator Nanoscale Esaki Diodes Prof. Daniel Moraru Shizuoka University, Japan	
IL11 14:05-14:35	Printed Flexible Electronics and Potential Applications Dr. Yi-Fei Wang Yamagata University Japan	
CL19 14:35-14:45 (Abstract No. 142)	Enhanced electric field assisted electron emission from MoSe ₂ decorated amorphous carbon nanotube Madhupriya Samanta ¹ , Supratim Maity ² , Biswajit Das ³ , Kalyan K. Chattopadhyay ^{2*} ¹ Department of Electronics and Telecommunication Engineering, Jadavpur University, Jadavpur, Kolkata, India 700032 ² Department of Physics, Ja davpur University, Jadavpur, Kolkata, India 700032 ³ School of Physical Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, India .	
CL20 14:45-14:55 (Abstract No. 633)	Cyclic loading response of nickel nanowire: a large-scale molecular dynamics simulation study Pradeep Gupta ¹ , Kartik Vaduganathan ² , Natraj Yedla ³ ¹ Department of Mechanical Engineering, G H Raisoni College of Engineering, Nagpur, India, 440012 ² Department of Metallurgical and Materials Engineering, National Institute of Technology, Tiruchirapalli, Tamilnadu, India, 620015 ³ Computational Materials Engineering Group, Department of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela, India, 769008.	
CL21 14:55-15:05 (Abstract No. 1190)	Dual phase Xenon Time Projection chamber simulated in Geant4 to detect Neutrinoless double beta decays and WIMP’s (weakly interacting massive particles) DrSonali Bhatnagar ¹ , ¹ Department of Physics and Computer Science, Faculty of Science, Dayalbagh Educational Institute.	
13:30 – 15:00		
POSTER SESSION		
PARALLEL SESSION		
Postertrack1-ICONN21 (CP1-CP200)	Postertrack2-ICONN21 (CP201-CP400)	Postertrack3-ICONN21 (CP401-CP600)
* For more details on poster session, please refer the pages from 35 To 105		
15:10 – 17:25		KEYNOTE LECTURES
Chair Person	: Prof. A. Karthigeyan Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
Repertoire	: Dr. S. Chandramohan Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
KL5 15:10 –15:55	Versatility of metallic phases of 2D transition metal dichalcogenides (TMDs) Prof. Manish Chhowalla University of Cambridge, UK	

KL6 15:55 –16:40	Functional device design with layered van der Waals heterostructures Prof. Arindam Ghosh Indian Institute of Science, Bangalore, India.
KL7 16:40 –17:25	Nano – Accelerate your Research with our AI-powered Nature Research Solution Dr. Pranoti Kshirsagar Database Group, Nanoscience & Technology, Springer Nature, Heidelberg, Germany
17:30-18.30 SESSION – 2A PARALLEL SESSION Nanobiotechnology, nanotoxicology and nanomedicine	
Chair Person : Prof. S. Balakumar University of Madras, Chennai, India	
Repertoire : Dr. T. V. Lakshmikumar Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
CL22 17:30-17:40 (Abstract No. 861)	Hydra as a model organism to decipher the role of Physicochemical Properties in Nanoparticle Toxicity Ankit Dilaware^a, MurugadasAnbazhagan^b, ThamaraiselviKaliannan^b, Akbarsha Mohammad Abdulkader^{c,d}, Suja P Devipriya^{a*} ^a Environmental Photocatalysis Research Laboratory (EPRL), Department of Ecology and Environmental Sciences, Pondicherry University, Pondicherry, India. ^b National Centre for Alternatives to Animal Experiments, Bharathidasan University, Tiruchirappalli, India ^c National College (Autonomous), Tiruchirappalli, India ^d Mahatma Gandhi-Doerenkamp Centre (MGDC), Bharathidasan University, Tiruchirappalli, India
CL23 17:40-17:50 (Abstract No. 242)	A Critical Review on the Promising Applications of Carbon Nano-Onions in Healthcare Diagnostics and Therapeutics Bhabatush Biswas¹, Arghya Chakravorty², Rabindranath Majumder³, Rehab A. Rayan⁴, Tridib Kumar Bhowmick¹, Vimala Raghavan⁵ ¹ Department of Bio Engineering, National Institute of Technology, Agartala – 799046, India ² School of Bio Sciences and Technology, Vellore Institute of Technology, Vellore, 632014 – India ³ Centre for Healthcare Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur - 711103, West Bengal, India ⁴ Department of Epidemiology, High Institute of Public Health, Alexandria University, Alexandria - 21526, Egypt ⁵ Centre for Nanotechnology Research, Vellore Institute of Technology, Vellore, 632014 – India.
CL24 17:50-18:00 (Abstract No. 729)	Synthesis and Characterization of magnetic nanoparticles for biomedical applications Ranjan Kumar Padhy National Institute of Science & Technology, Palur Hills, Golanthara, Berhampur, Orissa, India- 761008
IL12 18:00-18:30	Is the biological nutrient cycle possible for electronics? Prof. Clara Santato University of Montréal, Canada.
17:30-18.30 SESSION – 2B PARALLEL SESSION Sensors, actuators and NEMS/MEMS	
Chair Person : Dr. V. Neppolian Dean Research, SRM IST, Kattankulathur	
Repertoire : Dr. Abhay A. Sagade Department of Physics and Nanotechnology, SRM IST, Kattankulathur	

IL13 17:30-18:00	Graphene based Electronic and Sensor Devices – Applications and Manufacturing Prof. Daniel Neumaier Wuppertal, Germany.
CL25 18:00-18:10 (Abstract No. 377)	Length and diameter dependent electrical transport properties of individual cupric oxide nanowire Sourav Kajli¹ , Debdutta Ray ² , Somnath C Roy ³ ¹ Department of Physics, Indian Institute of Technology Madras, Chennai, Tamilnadu, India, 600036 ² Department of Electrical Engineering, Indian Institute of Technology Madras, Chennai, Tamilnadu-600036, India ³ Department of Physics, Indian Institute of Technology Madras, Chennai, Tamilnadu, India, 600036
CL26 18:10-18:20 (Abstract No. 507)	Realizing Ratiometric Temperature Sensing Properties in Li₃Y₃Te₂O₁₂: Sm³⁺ Phosphor Amrithakrishnan Bindhu , Dayana Dominic, Jawahar Isuhak Naseemabeevi, Subodh Ganesanpotti* Department of Physics, University of Kerala, Kariavattom Campus, Thiruvananthapuram, Kerala, India, 695581.
CL27 18:20-18:30 (Abstract No. 896)	Detection of <i>escherichia coli</i> in food sample by magnetosome based biosensor. Sumana Sannigrahi¹ , Shiva Kumar A ² , J Mathiyarasu ² , K Suthindhiran ^{1*} ¹ School of Bio Sciences and Technology, VIT-Vellore, 632014, Tamil Nadu, India ² Electrodics and Electrocatalysis Division, CSIR- Central Electrochemical Research Institute, Karaikudi, 630003, Tamil Nadu, India.
17:30-18.30	SESSION – 2C ACCMS Symposium on Computational materials, methods and numerical techniques PARALLEL SESSION
Chair Person	: Prof. Ranjit Thapa Department of Physics, SRM University AP, INDIA
Repertoire	: Dr. Trilochan Sahoo Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL14 17:30-18:00	Probing Potential Energy Surfaces of Molecular Systems via Vibrational Spectroscopy Dr. Jer-Lai Kuo Institute of Atomic and Molecular Science, Academia Sinica, Taiwan.
CL28 18:00-18:10 (Abstract No. 774)	Investigating the interactions of Valine with Modified Graphene: A Dispersion Corrected Density Functional Theory Calculation Sankhadip Saha¹ , Basant Roondhe ¹ , Sumit Saxena ^{1*} ¹ Nanostructures Engineering and Modeling Laboratory, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai 400076, Maharashtra, India.
CL29 18:10-18:20 (Abstract No. 251)	DFT+U Calculations on Equiatomic Quaternary Heusler Alloy CoRuVAI for Spintronics Applications V. Aravindan¹ , R. Sarathkumar ¹ , V. Vijayanarayanan ¹ , M. Mahendran ¹ ¹ Smart Materials Laboratory, Department of Physics, Thiagarajar College of Engineering, Madurai – 625 015, India.
CL30 18:20-18:30 (Abstract No. 836)	Insight of structural, electronic and optical properties of Ca substituting Sr in Sr₃Ba₂Nb₁₀O₃₀ via first - principle calculations Tahir Ahmad¹ , Kajal Jindal ² , Monika Tomar ³ , Pradip K. Jha ⁴ , Vinay Gupta ¹ ¹ Department of Physics and Astrophysics, University of Delhi, Delhi, India, 110007 ² Department of Physics, Kirori Mal College, University of Delhi, Delhi, India, 110007, ³ Department of Physics, Miranda House, University of Delhi, Delhi, India, 110007 ⁴ Department of Physics, DDU College, University of Delhi, Delhi, India, 110078.
17:30-18.30	SESSION – 2D PARALLEL SESSION

Complex and Meta-Nanophotonics: Classical to Quantum	
Chair Person	: Dr. Yaron Bromberg The Hebrew University of Jerusalem, Israel
Repertoire	: Dr. Saurabh Ghosh Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL15 17:30-18:00	Unscrambling Entanglement through a Complex Medium Dr. Mehul Malik Heriot Watt University, Edinburgh, UK.
CL31 18:00-18:10 (Abstract No. 344)	Influence of Phonon Scattering in Enhancement of Thermoelectric Power in Composite SnTe-Te Nanomaterials Satyendra Singh¹ , Sushil Kumar ¹ , and R. Venkatesh ^{1a)} Low Temperature Laboratory, UGC-DAE CSR, University Campus, Khandwa Road, Indore, M.P, India, 452 001.
CL32 18:10-18:20 (Abstract No. 625)	High refractive index dielectric rings in liquid crystals as tunable metasurfaces P.A.Sakhare¹ , M.Atmakuri ² and J. Dontabhaktuni ^{1*} ¹ Department of Physics, Mahindra University, Hyderabad, India ² Department of Electrical Engineering, Mahindra Ecole Centrale, Hyderabad, India.
CL33 18:20-18:30 (Abstract No. 1221)	Fabrication of silver nanoparticle doped phosphosilicate glass based optical fiber and thermally induced tuning of its spectral properties Mukul Chandra Paul^{1*} , Shyamal Das ¹ , Anirban Dhar ¹ , Debjit Dutta ¹ and Alexander V. Kir'yanov ² ¹ Fiber Optics and Photonics Division, CSIR-Central Glass and Ceramic Research Institute Kolkata-700032, India ² National University of Science and Technology (MISIS), Leninsky Avenue 4, Moscow 119049, Russia.
17:30-18.30 SESSION – 2E PARALLEL SESSION Manipulation and characterization of materials at nanoscale/atomic scale, Environmental nanotechnology	
Chair Person	: Dr. Mangamma IGCAR, Kalpakkam
Repertoire	: Dr. Jaivardhan Sinha Department of Physics and Nanotechnology, SRM IST, Kattankulathur
CL34 17:30-17:40 (Abstract No. 1216)	Structural and Electrical properties of CaMnO₃ synthesized by sol-gel method K.R. Nandan¹ , A Ruban Kumar ^{4*} , Laurel Simon Lobo ³ , G. Murugesan ⁴ , N.Maruthi ¹ ¹ Department of Physics, Faculty of Engineering and Technology, Jain University, Bangalore, 562112, India ² Center for Crystal Growth, VIT University, Vellore, Tamil Nadu, 632004, India ³ Department of Materials Science, Akita University, Akita 010-8502, Japan ⁴ Department of Physics, Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Avadi.
CL35 17:40-17:50 (Abstract No. 1361)	Development of bio-silica reinforced fully bio-based polybenzoxazine composites from agro-waste: bio-silica prepared from green gram (Vignaradiata) straw S. Devaraju* , T. Gangadhar Reddy, S. Sriharshitha, K. Krishnadevi Polymer Composites Lab, Division of Chemistry, Department of Sciences and Humanities, Vignan's Foundation for Science, Technology and Research (VFSTR), Vadlamudi, Guntur-522 213, India.
CL36 17:50-18:00 (Abstract No. 1413)	Photocatalytic Removal of Carbamazepine and Diclofenac using a Visible Light Active TiO₂-ZnO Nanocomposite: Effect of Anions, Degradation Pathway and Photocatalytic Mechanism N. Gayathri Menon¹ , SankaraSarma V. Tatiparti ² &Suparna Mukherji ^{3*} ¹ Centre for Research in Nanotechnology and Science (CRNTS), IIT Bombay, Powai, Mumbai 400076, India ² Department of Energy Science and Engineering (DESE), IIT Bombay, Powai, Mumbai 400076, India ³ Environmental Science and Engineering Department (ESED), IIT Bombay, Powai, Mumbai, India

IL16 18:00-18:30	400076. Materials analysis and modifications at the micro-nano scale using energetic ion beams Dr. Bibhudutta Rout University of North Texas, Denton, USA
17:30-18.30	SESSION – 2F Nanotechnology for energy harnessing, transport and storage PARALLEL SESSION
Chair Person	: Prof.D. Kingsly Jeba Singh Dean, School of Mechanical Engg, SRM IST, Kattankulathur
Repertoire	: Dr. Angelin Little Flower Department of Physics and Nanotechnology, SRM IST, Kattankulathur
CL37 17:30-17:40 (Abstract No. 26)	Functional Oxide Nanostructures for Solar Energy Harvesting Debashish Pal ¹ , Ayan Sarkar ² and Gobinda Gopal Khan^{1,*} ¹ Department of Material Science and Engineering, Tripura University (A Central University), Suryamaninagar, Tripura, India, 799022 ² Centre for Advanced Functional Materials, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata (IISERK), Mohanpur, Nadia, West Bengal, India.
CL38 17:40-17:50 (Abstract No. 49)	Modifying the photocatalytic property of ZnO based photoelectrodes by introducing MgFe₂O₄ nanoparticles Sanchari Banerjee¹ , R. Thangavel ¹ ¹ Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, India, 826007.
CL39 17:50-18:00 (Abstract No. 90)	Hierarchy Dependent NiSe-Se Hollow Nanotubular Architecture Decorated on NiONanoflowers as a Binder-Free Cathode with Superior Capacitance for High-Performance Asymmetric Supercapacitors Suvani Subhadarshini¹ , Dipak K. Goswami ^{1,2} , Narayan Ch. Das ^{1,3*} ¹ School of Nano Science and Technology, Indian Institute of Technology Kharagpur, Kharagpur, India. ² Department of Physics, Indian Institute of Technology Kharagpur, Kharagpur, India. ³ Rubber Technology Centre, Indian Institute of Technology Kharagpur, Kharagpur, India.
IL17 18:00-18:30	Spray Drying of Phosphate based Cathode Materials for Na-ion and K-ion Batteries with Advanced Electrochemical Performance Dr. Abdelfattah Mahmoud The University of Liège, Belgium
17:30-18.30	SESSION – 2G Molecular and Nanoelectronics/ Industrial nanotechnology PARALLEL SESSION
Chair Person	: Prof. M. V. Reddy Institute of Research Hydro-Québec, Canada
Repertoire	: Dr. P. Sivakumar Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL18 17:30-18:00	Print-in-place electronics using mixed-dimensional nanomaterials Prof. Aaron D. Franklin Duke University, Durham, North Carolina, USA
CL40 18:00-18:10 (Abstract No. 1338)	A Comparative study of Photocatalytic Degradation of Bisphenol A using Cu/TiO₂, N/TiO₂ and co-doped Cu-N/TiO₂ Catalysts under Visible Light Sukanya Krishnan , Ansaf V. Karim. Amritanshu Shrivastav [*] Environmental Science and Engineering Department, Indian Institute of Technology Bombay, Mumbai-400 076, INDIA.
CL41	Bacteriophages: A biological nano bulletsfor biofilm control for

18:10-18:20 (Abstract No. 1348)	Medical and industrial applications Atif Khan, Hiren Joshi, Toleti Subba Rao* Biofouling & Thermal Ecology Section, Water & Steam Chemistry Division Bhabha Atomic Research Centre, Kalpakkam.
CL42 18:20-18:30 (Abstract No. 1356)	Effect of calcination temperature on morphology and phase transformation of MnO₂ nanoparticles: A step towards green synthesis for reactive dye adsorption Tanaswini Patra¹, Trilochan Sahoo², Tapas Ranjan Sahoo^{1*} ¹ Department of Chemistry, School of Applied Sciences, KIIT deemed to be University, Bhubaneswar-751024, Odisha, India ² Nanophotonics Research Laboratory, Department of Physics & Nanotechnology, SRM Institute of Science & Technology, Kattankulathur, Chennai, 603203, India.
17:30-19.00	
Postertrack4-ICONN21 (CP601-CP800)	Postertrack5-ICONN21 (CP801-CP1000)
* For more details on poster session, please refer the pages from 106 To 174	

DAY – 2		02-02-2021	TUESDAY
08.30 – 10:00		KEYNOTE LECTURES	
Chair Person		: Prof. Enoch Y.Park Shizuoka University, Japan	
Repertoire		: Dr. K. Kamala Bharathi Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
KL8 08:30-09:15	Combinatorial Experimentation and Machine Learning for Materials Discovery Prof. Ichiro Takeuchi University of Maryland, USA		
KL9 09:15-10:00	Metaphotonics and Metasurfaces Prof. Yuri Kivshar Australian National University, Canberra, Australia		
10:00 – 10:55		KEYNOTE LECTURES	
Chair Person		:Prof. Sasidharan SRM Research Institute, SRM IST, Kattankulathur	
Repertoire		: Dr. S. Yuvaraj Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
KL10 10:00-10:45	Liquid metal for catalysis and CO ₂ conversion Prof. Kourosh Kalantar-zadeh, University of New outh Wales (UNSW), Sydney, Australia		

10.45 -10:55	Greetings by Prof. Kiyoshi Ishii , Shizuoka University, Japan Prof. Suresh Bhargava , RMIT, Melbourne VIC, Australia
10:55 – 12:30	SESSION – 3A PARALLEL SESSION Nanostructured solar cells and thermoelectrics, Sensors, actuators and NEMS/MEMS
Chair Person	: Prof. Masahiro Hori Shizuoka University, Japan
Repertoire	: Dr. M. Krishnamohan Department of Physics and Nanotechnology, SRM IST, Kattankulathur
TL04 10:55-11:30	Defects mediated high Seebeck coefficient and power factor in transparent thermoelectric thin films Dr John V Kennedy GNS Science, Lower Hutt, New Zealand
IL19 11:30-12:00	Application of Nanoscience-fused Nanotechnology on Infectious Virus Detection Prof. Enoch Y.Park Shizuoka University, Japan
IL20 12:00-12:30	All solid Thin Film Batteries: Perspective, Issues and Challenges Dr. Kamala Bharathi Department of Physics and Nanotechnology, SRM IST, Kattankulathur
10:55 – 12:25	SESSION – 3B PARALLEL SESSION Manipulation and characterization of materials at nanoscale/atomic scale, Nanobiotechnology, nanotoxicology and nanomedicine
Chair Person	: Prof. N. Selvamurugan Department of Biotechnology, SRM IST, Kattankulathur
Repertoire	: Dr. J. Archana Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL21 10:55-11:25	Establishment of steroid binding assay for membrane progesterone receptor alpha (PAQR7) by using graphene quantum dots (GQDs) Md. Maisum Sarwar Jyoti Shizuoka University, Japan
IL22 11:25-11:55	Photon-Charge counting type X-ray imager Prof. Toru Aoki Shizuoka University, Japan
IL23 11:55-12:25	Detection of Viral RNA by Fluorometric Nanoprobe with DSN Enzyme Assistance Prof. Ankan Dutta Chowdhury Shizuoka University, Japan
10:55 – 12:30	SESSION – 3C PARALLEL SESSION ACCMS Symposium on Computational materials, methods and numerical techniques
Chair Person	: Dr. Jer-Lai Kuo Institute of Atomic and Molecular Science, Academia Sinica, Taiwan
Repertoire	: Dr.C. Preferencial Kala Department of Physics and Nanotechnology, SRM IST, Kattankulathur
TL05 10:55-11:30	Recent Development on 2D MatPedia: 2D Alloys Prof. Yuan Ping Feng National University of Singapore, Singapore

IL24 11:30-12:00	Theoretical Analysis of Oxygen Transport in Doped Ceria: Effect of Vacancy Trapping Prof. Kwang Ryeol Lee KIST, South Korea.
CL43 12:00-12:10 (Abstract No. 773)	A New-Age Visible Light Fast Responsive Photocatalysts using ZrO₂-Ag₂O Heterojunction Nanocomposite Uniformly Decorated on Tailor-made Polymer Monoliths Naveen Kumar S, Sohini S D, Ashapurna D, AkhilaMaheswari M, Prabhakaran D* Department of Chemistry, School of Advanced Science, Vellore Institute of Technology (VIT), Tamil Nadu 632014, INDIA
CL44 12:10-12:20 (Abstract No.959)	Fabrication of cellular structures in thermoplastic polyurethane matrix using carbonaceous nanofillers Adwaita SR Nair^{a,b}, Subhash Mandal^{a*}, Debmalya Roy^a, N. EswaraPrasad^c ^a Directorate of Nanomaterials and Technologies, DMSRDE, GT Road, Kanpur-208013 ^b Nanoscience and Technology, Central University of Jharkhand, Jharkhand- 835205 ^c DMSRDE, GT Road, Kanpur-208013
CL45 12:20-12:30 (Abstract No. 974)	The possibility of phosphate phase during synthesis of CeO₂ nanoparticles by self- combustion using egg as fuel and their photocatalytic activities Madhu Chennabasappa^{1,*}, P HEMANTH¹, Praveen Managutti², Olivier Hernandez², Carmelo Prestipino², ¹ Department of Physics, Siddaganga Institute of Technology, Tumkur -572103, INDIA ² UMR 6226 CNRS-Université de Rennes 1, Sciences Chimiques de Rennes, Bât. 10B, Campus de Beaulieu, Avenue du Général Leclerc, F-35042 Rennes, FRANCE.
10:55 – 12:30 SESSION – 3D PARALLEL SESSION Complex and Meta-Nanophotonics: Classical to Quantum	
Chair Person	: Prof. Sandip Dhara IGCAR, Kalpakkam
Repertoire	: Dr. R. Annie Sujatha Department of Physics and Nanotechnology, SRM IST, Kattankulathur
TL06 10:55-11:30	Anderson localization of light in two-dimensional disordered photonic crystals Prof. Sushil Mujumdar TIFR, Mumbai
IL25 11:30-12:00	Epitaxial Graphene Coated Silicon Carbide Nanowires for Mid Infrared Nanophotonics Dr. Arti Agarwal University of Technology, Sydney, Australia
CL46 12:00-12:10 (Abstract No. 1462)	Impact of Geometry on Electric Field Enhancement in Hexamer Core-Shell Nanospheres Anitharaj Nagarajan^{1,2}, ArunaPriya Panchanathan^{1,*}, Pandian Chelliah³, Hiroaki Satoh², and Hiroshi Inokawa² ¹ SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ² Shizuoka University, Hamamatsu, Shizuoka, Japan, 432-8011 ³ Department of Physics, R.K.M. Vivekananda College, Chennai-600 004, India
CL47 12:10-12:20 (Abstract No. 1936)	Optical response properties of hybrid electro-opto-mechanical system interacting with a qubit Tarun Kumar¹, Aranya B Bhattacharjee² ¹ Ramjas College, University of Delhi, Delhi , India, 110007 ² Department of Physics, Birla Institute of Technology and Science, Pilani, Hyderabad Campus, Telangana State – 500078.
CL48 12:20-12:30	Experimental measurement of phase in 2D disordered photonic crystals Sandip Mondal¹, Randhir Kumar¹, Martin Kamp², Kedar Khare³, Sushil Mujumdar¹

(Abstract No. 2329)	¹ Nano-optics and Mesoscopic Optics Laboratory, Tata Institute of Fundamental Research, Mumbai, 400005, India ² Lehrstuhl für Technische Physik, Universität Würzburg, 97074 Würzburg, Germany ³ Department of Physics, Indian Institute of Technology Delhi, New Delhi 110016, India.
10:55 – 12:30 SESSION – 3E PARALLEL SESSION Nanocomposites and catalysts, Molecular and Nanoelectronics/ Environmental nanotechnology	
Chair Person	: Dr. Arijitsen SRM Research Institute, SRM IST, Kattankulathur
Repertoire	: Dr. S. Harish Department of Physics and Nanotechnology, SRM IST, Kattankulathur
TL07 10:55-11:30	Synthesis and characterization of nanocomposites and their photocatalytic activity Prof. Yasuhiro Hayakawa Shizuoka University, Japan
IL26 11:30-12:00	Stretchable oxide thin film based electronic and optical devices Prof. Madhu Bhaskaran RMIT University, Melbourne, Australia
CL49 12:00-12:10 (Abstract No. 1106)	Odour quantification with artificially intelligent nose in wastewater treatment Narendra Khatri^{1,2*} , Kamal Kishore Khatri ² , Abhishek Sharma ³ ¹ National Agriculture Higher Education Project (NAHEP), Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs, Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani-431402, India ² Department of Mechanical-Mechatronics Engineering, The LNM Institute of Information Technology, Jaipur-302031, India ³ Department of Electronics and Communication Engineering, The LNM Institute of Information Technology, Jaipur-302031, India
CL50 12:10-12:20 (Abstract No. 1189)	Green Synthesis of Silver Nanoparticles using plant extracts and their application for water purification and anti-diabetic properties Dr. PriyaSundarrajan* , Sharon Alex and Obed Gangte Department of Life Science and Biochemistry, St. Xavier's College (Autonomous), 5, Mahapalika Marg, Mumbai.
CL51 12:20-12:30 (Abstract No. 1201)	Mechanistic Performance of Fluoride Removal from Water using Iron based Metal Organic Frameworks AntonySamyJeyaseelan , Natrayasamy Viswanathan Department of Chemistry, Anna University, University College of Engineering - Dindigul, Reddiyarchatram, Dindigul - 624 622, Tamilnadu, India.
10:55 – 12:25 SESSION – 3F PARALLEL SESSION Industrial nanotechnology: products and commercialization	
Chair Person	: Prof. Tsuyoshi Minami The University of Tokyo, Japan
Repertoire	: Dr. M. Navaneethan Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL27 10:55-11:25	Research Promotion and Social Contribution through Industry-Academia Cooperation Activities Prof. Masakazu Kimura Shizuoka University, Japan
IL28 11:25-11:55	X-ray Generation Using Pyroelectric Crystals Excited by Laser Light Prof. Hidenori Mimura Shizuoka University, Japan

YRAP*(CL52) 11:55-12:05 (Abstract No. 17)	A low-cost rechargeable battery with aluminum and graphite Dr. Shyamal Kumar Das¹ ¹ Department of Physics, Tezpur University, Assam, India, 784028
CL53 12:05-12:15 (Abstract No. 158)	ZrO₂@Pd core-shell nanocomposite on graphene for improved electrochemical detection of methyl parathion. Krishna Prasad Gannavarapu^{1,2}, Rajesh Babu Dandamudi^{1,3} ¹ Department of Chemistry, Sri Sathya Sai Institute of Higher Learning, Prasanthinilayam campus, Puttaparthi, Andhra Pradesh, India, 515134. ² School of Materials Science, Japan Advanced Institute of Science and Technology, Nomi, Ishikawa, Japan, 9231211. ³ Phenomenex India Pvt. Ltd., Lakshmi Cyber City, Hyderabad, Telangana, India, 500084.
10:55 – 12:25 SESSION – 3G PARALLEL SESSION Surfaces, interfaces and thin films , Low-dimensional and 2D materials	
Chair Person	: Dr. Abhay A. Sagade Department of Physics and Nanotechnology, SRM IST, Kattankulathur
Repertoire	: Dr. Tusharbhai H Rana Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL29 10:55-11:25	Chemical vapor deposition of hexagonal boron nitride thin films on a Si substrate Prof. Kazuhiko Hara Shizuoka University, Japan
IL30 11:25-11:55	Formation and Characterization of Polycrystalline SiGeSn Yosuke Shimura Shizuoka University, Japan
CL55 11:55-12:05 (Abstract No. 116)	Ball Milled-cum-Solid State Reaction Synthesis, Structural and Electrical Study of Chromium Doped Barium Titanate Balaram Polai^{1,*}, Soumya Rajan², P.M. Mohammed Gazzali², G Chandrasekaran² ¹ Indian Institute of Technology Bhubaneswar, Odisha, India, 752050 ² Pondicherry University (A Central University), Puducherry, India, 605014
CL56 12:05-12:15 (Abstract No. 171)	Self-assembly of graphene oxide nano-flakes in lipid membranes Priya Mandal ¹ , Gourav Bhattacharya ¹ , Arpan Bhattacharyya ² , Susanta S. Roy ¹ , Sajal. K. Ghosh¹ ¹ Department of Physics, Shiv Nadar University, Gautam Buddha Nagar, Uttar Pradesh 201314, India ² S. N. Bose National Centre for Basic Sciences, Block JD, Sector-III, Salt Lake, Kolkata 700106, India
CL57 12:15-12:25 (Abstract No. 213)	Swift Heavy Ion induced modifications in structural, optical, electrical and photoelectrochemical properties of Zr doped hematite thin films Praveen Kumar^{1*}, Khushbu Yadav² ^{1*} DauDayal Institute of Vocational Education, Khandari, D.B.R.A.U. Agra-282002, India ² Department of Chemistry, Institute of Engineering & Technology, Khandari, D.B.R.A.U. Agra, India.
11:00 – 12:30 POSTER SESSION PARALLEL SESSION Postertrack7-ICONN21 Postertrack8-ICONN21 Postertrack9-ICONN21 (CP1201-CP1400) (CP1401-CP1600) (CP41601-CP1800) * For more details on poster session, please refer the pages from 175 To 241	
12:30 – 13:15 KEYNOTE LECTURES	
Chair Person	: Prof. Satheesh Krishnamurthy The Open University, UK
Repertoire	: Dr. M. Renilkumar Department of Physics and Nanotechnology, SRM IST, Kattankulathur

KL11 12:30-13:15	Development of photocatalysts and solar hydrogen production system for a large-scale application Prof. Kazunari Domen University of Tokyo, Japan
13:15-13:25	Greetings by Prof. Corrado Di Natale , University of Rome Tor Vergata, Rome, Italy Prof. Edward Yi Chang , National Chiao Tung University, Taiwan
13:25-13:45	BREAK
13:45 – 15:15	KEYNOTE LECTURES
Chair Person	: Prof. Sushil Mujumdar TIFR, Mumbai.
Repertoire	: Dr. Abhay A. Sagade Department of Physics and Nanotechnology, SRM IST, Kattankulathur
KL12 13:45-14:30	Large-size nanoelectronics for The Internet of Everything Prof. Thomas Anthopoulos KAUST, Saudi Arabia
KL13 14:30-15:15	Nanostructured Thermoelectric Energy Conversion Prof. Kanishka Biswas Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India
14:00 – 16:30	“SEEDING NANOSCIENCE IN YOUNG MINDS: LIVE INTERACTION WITH NANOSCIENTISTS” – An Exclusive Program for a selective group of YOUNG STUDENTS (age group between 14-19)
14:00-14:10	(Hosted by SRM-ICONN 2021 and Co-hosted by Indian Science Congress Association (ISCA) – Chennai Chapter in celebration of Department of Science and Technology (DST), Govt. of India’s Golden Jubilee Year (2021)) About the Program – Dr. Kiran Mangalampalli , Department of Physics and Nanotechnology, SRMIST, Kattankulathur, Chennai Welcome Note - Prof. Kashmir Raja , Convener, ISCA Chennai Chapter
14:10-14:15	Presidential Address: - Dr. (Mrs.) Vijay Laxmi Saxena , General President 2020-2021, Indian Science Congress Association, Kolkata
14:15-14:35	Inaugural Address - Prof. B. S. Murthy , Director, IIT Hyderabad, India
14:35-16:20	Students’ interaction with Scientists begins Prof. Chennupati Jagadish AC , The Australian National University, Canberra, Australia Prof. Radha Boya , The University of Manchester, UK Presentations by R&D Scientist from the Cosmetics Industry Prof. Shinji YAMADA , Kao Corporation, Japan
16:20-16:25	ISCA Chennai Chapter Sponsored ICONN-2021 Best Young Student Awards Announcement
16:25-16:30	Votes of thanks by Dr. A. Alagiriswamy , Treasurer, ISCA Chennai Chapter
15:15 – 16:45	KEYNOTE LECTURES

Chair Person : Dr. C. Gopalakrishnan Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
Repertoire : Dr. B. Gunasekaran Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
KL14 15:15-16:00	Ultrafast spin transfer in layered magnetic heterostructures, Prof. Wolfgang Kuch Fachbereich Physik, Institut für Experimentalphysik, Berlin, Germany
KL15 16:00-16:45	Local Excitons in Si/Ge Inverted Quantum Huts (IQHs) embedded Si, Prof. Kalobaran Maiti TIFR, India
16:50-17.50 SESSION – 4A PARALLEL SESSION Surfaces, interfaces and thin films	
Chair Person : Dr. Ajay Singh Bhabha Atomic Research Center, IGCAR	
Repertoire : Dr. T. Kalaivani Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL31 16:50-17:20	Optical characterization of nanomaterials and interface processes Prof. Peter PETRIK, Hungarian Academy of Sciences, Hungary
CL58 17:20-17:30 (Abstract No. 226)	Red Emitting Y₄Al₂O₉: Mn⁴⁺ Nanophosphor for Efficient LED Fabrication & Anti-counterfeiting Marking Antika Das¹, Kalyan Kumar Chattopadhyay ^{1, 2 *} ¹ School of Materials Science & Nanotechnology, Jadavpur University, Kolkata 700032, West Bengal, India ² Department of Physics, Jadavpur University, Kolkata 700032, West Bengal, India
CL59 17:30-17:40 (Abstract No. 385)	Hruby's criterion-Iron doped Glass material for optical devices and Bio implantation M. Sreenivasulu^{1*} and Vijaya Kumar Chavan ² ^{*1,2} Division of Physics, Department of Science and Humanities, Vignan's Foundation for Science Technology and Research, Vadlamudi, Guntur-522 213, A.P. India.
CL60 17:40-17:50 (Abstract No. 404)	Unraveling the utilization of iron (III) chloride as the precursor for the formation of iron oxide nanocrystals via thermal decomposition route S. Abhiram Yadav¹ and C.Ravikumar ² ^{1,2} Department of Chemical Engineering, Visvesvaraya National Institute of Technology (VNIT), Nagpur-440010, INDIA
16:50-17.50 SESSION – 4B PARALLEL SESSION Sensors, actuators and NEMS/MEMS	
Chair Person : Prof. Ganesh D. Sharma LNMIIT, Jaipur, India	
Repertoire : Dr. A. Geetha Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL32 16:50-17:20	Porphyrins through looking Glass: The long Track for the development of chiral sensors Prof. Roberto Paolesse University of Rome Tor Vergata, Rome, Italy
CL61 17:20-17:30	Electrophoretic deposition of CuO nano-leaves for organic volatile compound sensing applications Anisha Bandyopadhyay¹, Kamalika Mandal ¹ , Vibhav Ambardekar ² , Debasish Das ³ , Subhasish Basu

(Abstract No. 927)	Majumder ¹ ¹ Materials Science Centre, Indian Institute of Technology, Kharagpur, 721302, India ² Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur, 721302, India ³ School of Nano Science and Technology, Indian Institute of Technology, Kharagpur, 721302, India
CL62 17:30-17:40 (Abstract No. 1126)	Highly selective behavior of phase pure and textured AgInO₂ hexagonal nanoplates for wide range of hydrogen sensing T.V. Beatriceveena^{1,2,*} and K.I. Gnanasekar¹ ¹ Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam-603102, India ² Homi Bhabha National Institute, Anushakti Nagar, Mumbai-400094, India.
CL63 17:40-17:50 (Abstract No. 1127)	Sensitivity of the Surface Potential of Pyrene based Tetratopic Ligands Coated ZnONanorods towards VOCs Surya Elangovan¹, Velappajayaraman Surya¹, PalaniElumalai², Toby Dobbs³, Iain Baikie³, Gabriele Magna⁴, Jyoti Prakash Kar⁵, Roberto Paolesse⁶, Corrado Di Natale^{4*}, Yuvaraj Sivalingam^{1*} ¹ Department of Physics and Nanotechnology, SRM institute of Science and Technology, Kattankulathur 603203, Tamil Nadu, India ² Department of Chemistry, Texas A&M University at Qatar, Doha 23874, Qatar ³ KP Technology Ltd, Burn Street, Wick, Caithness, KW1 5EH, UK ⁴ Department of Electronics Engineering, University of Rome Tor Vergata, Via del Politecnico 1, Roma – 00133, Italy ⁵ Department of Physics, National institute of Technology, Rourkela-769008, India ⁶ Department of Chemical Science and Technology, University of Rome Tor Vergata, Via del Politecnico 1, 00133 Roma, Italy.
16:50-17:50	
SESSION – 4C PARALLEL SESSION ACCMS Symposium on Computational materials, methods and numerical techniques	
Chair Person	: Dr. V. J. Surya Department of Physics and Nanotechnology, SRM IST, Kattankulathur
Repertoire	: Dr. R. Gopalakrishnan Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL33 16:50-17:20	ML Assisted Discovery of Novel Materials with Targeted Properties Prof. Abhishek K. Singh IISc Bangalore, India
CL64 17:20-17:30 (Abstract No. 992)	Photocatalytic Nitrate Reduction over Ag modified ZnO Xiao Yun Thian¹, Suparna Mukherji², Soumyo Mukherji¹ ¹ Bioscience and Bioengineering Department, Indian Institute of Technology Bombay, Mumbai, Maharashtra, India, 400076 ² Environmental Science and Engineering Department, Indian Institute of Technology Bombay, Mumbai, Maharashtra, India, 400076.
CL65 17:30-17:40 (Abstract No. 1093)	Multiwalled Carbon Nanotubes Grown Over Iron Nanocatalyst as Electrode for Hydrogen Producing Electrochemical Cell Shanu Mishra¹, Somesh Sunil Jaishwal¹, Ashish Kumar Mishra[*] School of Materials Science and Technology Indian Institute of Technology (BHU), Varanasi-221005, INDIA
CL66 17:40-17:50 (Abstract No. 1281)	Heteroatom doped Carbon Quantum Dot modified MoS₂ nanocomposite: Application in environmental heavy metal sensing Gaurav Pratap Singh¹, Rahul Kumar Das^{1,2}, Arun Jaiswal¹, Sumit Saxena^{1,2} and Shobha Shukla^{1,2*} ¹ Nanostructures Engineering and Modeling Laboratory, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai 400076, MH, India ² Water Innovation Center: Technology Research & Education, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai, MH, India.

16:50-17.50		SESSION – 4D	PARALLEL SESSION
Complex and Meta-Nanophotonics: Classical to Quantum			
Chair Person		: Dr. Leonardo Midolo Niels Bohr Institute, Copenhagen, Denmark	
Repertoire		: Dr. A. A. Alagiriswamy Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL34 16:50-17:20	Scattering of spatially entangled photons Dr. Yaron Bromberg, The Hebrew University of Jerusalem, Israel.		
CL67 17:20-17:30 (Abstract No. 2329)	Experimental measurement of phase in 2D disordered photonic crystals Sandip Mondal ¹ , Randhir Kumar ¹ , Martin Kamp ² , Kedar Khare ³ , Sushil Mujumdar ¹ ¹ Nano-optics and Mesoscopic Optics Laboratory, Tata Institute of Fundamental Research, Mumbai, 400005, India ² Lehrstuhl für Technische Physik, Universität Würzburg, 97074 Würzburg, Germany ³ Department of Physics, Indian Institute of Technology Delhi, New Delhi 110016, India.		
CL68 17:30-17:40 (Abstract No. 2230)	Optical trapping and optothermal assembly of colloidal nanoparticles on graphene oxide platelets Dr. Sudhir Cherukulappurath ¹ ¹ Department of Physics, Goa University, Goa, 403206, India.		
CL69 17:40-17:50 (Abstract No. 2331)	Ultrabright Fluorescence Enhancement of Quantum-dot Emission from aPlanar5-LayeredHyperbolic MetamaterialbasedResonator-Antenna Faraz A. Inam ¹ , Abhinav Kala ² , Nadeem Ahmed ¹ and Achanta Venu Gopal ² ¹ Department of Physics, Aligarh Muslim University, Aligarh, Uttar Pradesh, India – 202002 ² Department of Condensed Matter Physics and Material Science, TIFR, Mumbai, India – 400005.		
16:50-17.50		SESSION – 4E	PARALLEL SESSION
Nanobiotechnology, nanotoxicology and nanomedicine			
Chair Person		: Prof. M. Parani Department of Genetic Engineering, SRM IST, Kattankulathur	
Repertoire		: Dr. Venkata Ravindra Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL35 16:50-17:20	Multifunctional Nanostructured Bioactive Materials based composites Towards Biomedical Applications Prof. S.Balakumar Madras University, Chennai, India		
CL70 17:20-17:30 (Abstract No. 1013)	A New Biocompatible Phospahte free Mesoporous Borosilicate Glass-Ceramics For Medical Application AleshKumar* and C. R. Mariappan Department of Physics, National Institute of Technology, Kurukshetra 136119,India		
CL71 17:30-17:40 (Abstract No. 1118)	“Nano-machines” in bacterial biofilm formation & bioremediation Manobala Tamilselvan ¹ ,Sudhir K Shukla ² ,Subba Rao T ² ,Dharmendra Kumar M ¹ ¹ Department of Applied Science and Technology, Anna University, Chennai-600025, Tamil Nadu, India ² Biofouling and Thermal Ecology Section, Water & Steam Chemistry Division, BARC Facilities, Kalpakkam 603102, Tamil Nadu, India		
CL72 17:40-17:50 (Abstract No. 1273)	Reduced 3D Graphene Oxide Frameworks for Efficient removal of Reactive Dyes Abhishek Pandey, Shobha Shukla and SumitSaxena Nanostructures Engineering and Modelling Laboratory, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai, MH, India – 400076.		

16:50-17.50		SESSION – 4F	PARALLEL SESSION
Nanostructured solar cells and thermoelectrics			
Chair Person		: Prof. Thomas Anthopoulos KAUST, Saudi Arabia	
Repertoire		: Dr. G. Bakayaraj Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL36 16:50-17:20	Layered thermoelectric materials and devices Dr. M. Navaneethan, SRM IST, Chennai, India		
CL73 17:20-17:30 (Abstract No. 1029)	Ni decorated layered MoS ₂ nanosheets for flexible energy harvesting applications V. Shalini ^a , S. Harish ^b , J. Archana ^b , M. Navaneethan ^{b,c*} , H. Ikeda ^{a*} ^a Research Institute of Electronics, Shizuoka University, 3-5-1 Johoku, Naka-Ku, Hamamatsu, Shizuoka 432-8011, Japan ^b Functional Materials and Energy Devices Laboratory, Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Kattankulathur, Chennai 603203, Tamil Nadu, India ^c Nanotechnology Research Center, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur, Chennai 603203, Tamil Nadu, India		
CL74 17:30-17:40 (Abstract No. 1032)	Thermal stability and thermal expansion behavior of FeCoCrNi ₂ Al high entropy alloy Mahesh S Jadhav ^a , Disna Sahane ^a , Amit Verma ^b , Sheela Singh ^{c,*} ^a Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Tamil Nadu,603203, India ^b Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India ^c Department of Mechanical Engineering, School of Engineering & Applied Sciences, SRM University, AP – Amaravati, Andhra Pradesh, 522502, India.		
CL75 17:40-17:50 (Abstract No. 1234)	Simulation based investigation on the performance of Metal Oxides as Charge Transport Layers in Lead/Tin Perovskite Solar Cells Using SCAPS 1D Aseena S ¹ , Dr. Nelsa Abraham ² , Dr. V.Suresh Babu ³ ¹ Research Scholar, Dept. of ECE, Government Engineering College, Barton Hill Trivandrum, Kerala, India, 695035 ² Assistant Professor, Dept. of ECE, Government Engg. College, Barton Hill Trivandrum, Kerala, India, 695035 ³ Professor, Dept. of ECE, Government Engineering College, Wayanad, Kerala, India, 673005 ¹²³ APJ Abdul Kalam Technological University, Kerala, India, 695016.		
16:50-17.50		SESSION – 4G	PARALLEL SESSION
Nanotechnology for energy harnessing, transport and storage			
Chair Person		: Prof. Sashidharan SRM Research Institute, SRM IST, Kattankulathur	
Repertoire		: Dr. Alok Kumar Department of Physics and Nanotechnology, SRM IST, Kattankulathur	

IL37 16:50-17:20	X-ray imaging using room temperature semiconductor detectors by charge counting method Dr. Katsuyuki Takagi, Shizuoka University, Japan
CL76 17:20-17:30 (Abstract No. 225)	Mn₃O₄ Nano octahedrons embedded in N-doped graphene oxide as potent anode material for Li-ion batteries Pernapati Nagaraja^{1,2}, H. Seshagiri Rao^{1,2}, Ediga Umeshbabu¹, Ponniah Justin², G. Ranga Rao¹ ¹ Department of Chemistry, Indian Institute of Technology Madras, Chennai 600036, India ² Department of Chemistry, Rajiv Gandhi University of Knowledge Technologies, R K Valley, Vempalli, Kadapa, Andhra Pradesh 516330, India
CL77 17:30-17:40 (Abstract No. 275)	Novel multivalent perovskite anode for Ca based air battery system SridharpandayMathu ^{*1} , Brindhya Ramasubramanian² , Narthana Kandhasamy ³ ^{*1} Department of Electronics and Communication Engineering, Arjun College of Technology, Thamaraiikulam, Coimbatore – 642120, India ² Centre for Nano Science and Technology, Pondicherry University, Kalapet, Puducherry – 605014, India ³ Centre for Nano Science and Technology, K.S Rangasamy College of Technology, Tiruchengode – 637215, India
CL78 17:40-17:50 (Abstract No. 322)	Ultra-low Phonon Thermal Conductivity and Role of Oxide Impurity-Dislocations in Nano-structured n-type Bi₂Te_{2.7}Se_{0.3} Rapaka S C Bose¹, Dilip Kumar Meena¹, Paolo Mele², K Ramesh¹ ¹ Department of Physics, Indian Institute of Science, Bengaluru 560012, India ² Shibaura Institute of Technology, College of Engineering, 337-8570, Saitama, Japan.
17:50-18:50	SESSION – 5A Low-dimensional and 2D materials, Surfaces, interfaces and thin films PARALLEL SESSION
Chair Person	: Prof. Ivan Merenkov Russian Academy of Sciences, Novosibirsk, Russia
Repertoire	: Dr. K. Mani Rahulan Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL38 17:50-18:20	Two-dimensional voids and their unusual properties Prof. Radha Boya The University of Manchester, UK
CL79 18:20-18:30 (Abstract No. 435)	Fabrication of Efficient and Stable Multi Cation Perovskite Solar Module by Blade-coating Technique at Ambient Air Luigi Vesce¹, Maurizio Stefanelli¹, Jan Herterich², Luigi Angelo Castriotta¹, Markus Kohlstädt², Uli Würfel², Aldo Di Carlo¹ ¹ CHOSE – Centre for Hybrid and Organic Solar Energy, Department of Electronic Engineering, University of Rome “Tor Vergata”, Via del Politecnico 1, 00133 Rome – Italy ² Fraunhofer Institute for Solar Energy Systems ISE, Heidenhofstraße 2, 79110 Freiburg – Germany
CL80 18:30-18:40 (Abstract No. 438)	Investigation of the properties of spray deposited Li and F co-doped transparent conducting SnO₂ electrodes D. Paul Joseph^{1*}, R. Ramarajan¹, Jean Maria Fernandes¹, M. Kovendhan^{2*}, Nandarapu Purushothamreddy¹, Reddivari Muniramaiah¹, C. Venkateswaran³ ¹ Department of Physics, National Institute of Technology Warangal, Telangana State, India, 506004. ² Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203. ³ Department of Nuclear Physics, University of Madras, Guindy campus, Chennai – 600025, India.
CL81 18:40-18:50	Effect of Co Dopant Concentration on Structural and Optical Properties of Zn_{1-x}Co_xO Thin Films Synthesized via Sol-Gel Method Jijoy P Mathew¹, George Varghese², Jacob Mathew³, Susan Mathew¹

(Abstract No. 467)	¹ Thin Film Research Lab, Department of Physics, St.Thomas College, Kozhencherry, Kerala, 689641 ² Professor Emeritus, Mar Ivanios College, Thiruvananthapuram-15 ³ Department of Physics, St.Berchmans College, Changanasserry, 686101.
17:50-18.50	SESSION – 5B Sensors, actuators and NEMS/MEMS PARALLEL SESSION
Chair Person	: Prof. Wolfgang Kuch Fachbereich Physik, Institut für Experimentalphysik, Berlin, Germany
Repertoire	: Dr.T. Vijayakumar Department of Physics and Nanotechnology, SRM IST, Kattankulathur
TL08 17:50-18:25	Organic-Inorganic nano structured hybrid materials for gas sensors Prof. Corrado Di Natale University of Rome Tor Vergata, Rome, Italy
CL82 18:25-18:35 (Abstract No. 1342)	VO₂/V₂O₅ Bi-layer Thin Films for Chemiresistive NO₂ Gas Sensor Applications Gokul Selvaraj¹, R. Vishnuraj¹, A. Mahaboob Batcha¹ and P. Biji^{1*} ¹ Nanosensor Laboratory, PSG institute of Advanced Studies, Coimbatore-641004, Tamil Nadu, INDIA
CL83 18:35-18:45 (Abstract No. 1347)	p-Co₃O₄ Supported Carbon Nanofibers based Heterojunction Nanostructures for Ammonia Gas Sensor Applications Rajesh Unnathpadi, Ramakrishnan Vishnuraj, Gokul Selvaraj and Biji Pullithadathil[*] Nanosensor Laboratory, PSG Institute of Advanced Studies, Coimbatore-641004, INDIA.
CL84 18:45-18:55 (Abstract No. 355)	Voltammetric determination of Hydrogen Peroxide using MoS₂ modified glassy carbon electrodes Haritha V. S.^a, Athira Vijayan^b, Sarath Kumar S.R.^{b*} and Rakhi R. B.^{a*} ^a Department of Physics, University of Kerala, Kariavattom, Thiruvananthapuram, 695581, India ^b Department of Nanoscience and Nanotechnology, University.
17:50-18.50	SESSION – 5C Nanocomposites and catalysts, Environmental nanotechnology PARALLEL SESSION
Chair Person	: Dr. Bhalachandra Kakade SRM Research Institute, SRM IST, Kattankulathur
Repertoire	: Dr. K. D. Nisha Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL39 17:50-18:20	Materials Design by Molecular & Atomic Layer Deposition; Hybrid thin films as precursors for Photocatalytic Metal Oxides Prof. Roie Yerushalmi The Hebrew University of Jerusalem, Israel
CL85 18:20-18:30 (Abstract No. 1207)	Data driven evaluation approach for the physio-chemical performance prediction of Heteroatom doped Biomass derived carbon electrodes Richa Dubey¹ and Velmathi Guruviah² ^{1,2} School of Electronics Engineering, Vellore Institute of Technology, Chennai, TN- 600127, India
CL86 18:30-18:40 (Abstract No. 1245)	Green Synthesis of CuO Nanoparticles Using <i>Citrus Maxima</i> Peels Aqueous Extracts Sanjib Baglari^a, Riu Riu Wary^b, Dulu Brahma^c, Pranjal Kalita^c, Manasi Buzar Baruah^{b*} ^a Department of Physics, Birjhora Mahavidyalaya, Bongaigaon, Assam:783380, India ^b Department of Physics, Central Institute of Technology Kokrajhar (Deemed to be University, MHRD, Govt. of India), Assam:783370, India ^c Department of Chemistry, Central Institute of Technology, Kokrajhar (Deemed to be University, MHRD, Govt. of India), Assam:783370, India
CL87 18:40-18:50	Photocatalytic Degradation of Industrial Effluent dye by using efficient Bismuth oxide and Mercury oxide Nanoparticle

(Abstract No. 1332)	Abirami Muthumani¹ , Sivakami Mohandos ² , Pandiyarasan Veluswamy ³ , Vanitha Arumugam ⁴ ¹ SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ² SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ³ Indian Institute of Information Technology Design and Manufacturing, Kancheepuram, Tamilnadu, India, 600127 ⁴ Adhiyaman Arts and Science College, Uthangarai, Tamilnadu, India, 635207.
17:50-18:50	SESSION – 5D Complex and Meta-Nanophotonics: Classical to Quantum PARALLEL SESSION
Chair Person	: Prof. Pepijn Pinkse University of Twente, Netherlands
Repertoire	: Dr. C. Siva Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL40 17:50-18:20	Photonics and Plasmonics assisted Nanospectroscopy Prof. Sandip Dhara IGCAR, Kalpakkam, India
CL88 18:20-18:30 (Abstract No. 589)	Optical Properties of Aerosol Assisted MOCVD grown hierarchical TiO₂ microflowers with controlled petal morphology Sayari Biswas* , Asit Kumar Kar Micro and Nanoscience Laboratory, Department of Physics, Indian Institute of Technology (Indian School of Mines), Dhanbad - 826004, Jharkhand, India.
CL89 18:30-18:40 (Abstract No. 1217)	Nickel Titanate/GO composite as negative electrode for lithium and sodium ion Batteries Tania Majumder¹ , Debasish Das ² , Subhasish Basu Majumder ¹ ¹ Materials Science Centre, Indian Institute of Technology, Kharagpur, 721 302 ² School of Nano Science and Technology, Indian Institute of Technology, Kharagpur, 721302
CL90 18:40-18:50 (Abstract No. 1300)	Hydrothermal, Facile and Cost-Effective CTAB Templated Synthesis and Characterization of Magnesium cobalt oxide Electrode Material for Supercapacitor Application T. Antony Sandosh Department of Chemistry, St. Joseph's college of arts and science, Cuddalore-607001.
17:50-18:50	SESSION – 5E Nanobiotechnology, nanotoxicology and nanomedicine PARALLEL SESSION
Chair Person	: Prof. M. Vairamani Chairperson, School of Bio Engineering, SRM IST, Kattankulathur
Repertoire	: Dr. V. Ramesh Department of Physics and Nanotechnology, SRM IST, Kattankulathur
CL91 17:50-18:00 (Abstract No. 1414)	Biosynthesized gold nanoparticles by aqueous leaf extract of <i>Suaeda japonica</i> and screening of anti-inflammatory activities on RAW 267.4 macrophage Yaxi Han¹ , Joon Hurh ² , Indra Batjikh ² , Hashmoonah Ali ² , Ramya Mathiyalagan ² , Deok-Chun Yang ^{1,2,*} , and Johan Sukweenadhi ^{3*} ¹ Department of Oriental Medicinal Biotechnology, College of Life Science, Kyung Hee University, Yongin-si, Gyeonggi-do, Republic of Korea, 17104 ² Graduate School of Biotechnology, College of Life Science, Kyung Hee University, Yongin-si, Gyeonggi-do, Republic of Korea, 17104 ³ Faculty of Biotechnology, University of Surabaya, Republic of Indonesia, 60294
CL92 18:00-18:10 (Abstract No. 1415)	Activated carbon fabricated from Cow dung supported Polyoxomolybdate electrode Material for Electrochemical Applications Anjana A.V.¹ and Sib Sankar Mal^{1*}

No. 656)	¹ NITK National Institute of Technology Karnataka, Department of Chemistry, Surathkal, Mangalore, Karnataka, India, 575025
CL93 18:10-18:20 (Abstract No. 613)	Evolution of Structural and Morphological Properties of Epitaxial Fe Film on MgO (001) During Growth Md. Shahid Jamal , Dileep Kumar ^a UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore-452001, India
IL41 18:20-18:50	Nanomaterials and Microscale Technologies to Engineer Muscle Tissues Dr. Samad Ahadian Terasaki Institute for Biomedical Innovation, Los Angeles, California, USA
17:50-18.50	SESSION – 5F PARALLEL SESSION Manipulation and characterization of materials at nanoscale/atomic scale
Chair Person	: Prof. L. Sudha SRM IST, Ramapuram
Repertoire	: Dr. Suresh Perumal Department of Physics and Nanotechnology, SRM IST, Kattankulathur
CL94 17:50-18:00 (Abstract No. 685)	Temperature Dependent X-ray Diffraction and Dielectric Spectroscopy Studies on Dy³⁺ ion Substituted 4-layer; BaBi₄Ti₄O₁₅ Aurivillius ceramic Tirupathi Patri¹ , Avijit Ghosh ² M. L. V. Mahesh ³ and Satish Kumar Mandal ⁴ ¹ Department of Physics, Rajiv Gandhi University of Knowledge Technologies, RK Valley-516330, India ² Departments of Physics, Central University of Jharkhand, Ranchi, Jharkhand-835205, India ³ D. M. R. L, Kanchanbagh, Hyderabad, Telangana State, India. ⁴ UGC-DAE Consortium for Scientific Research, RRCAT Indore Center, (MP) - 452012, India
CL95 18:00-18:10 (Abstract No.761)	Investigation of Raman signature with interface properties of Gallium Nitride decorated Reduced Graphene Oxide Nanocomposites. Sumitra Nongthombam , Naorem Aruna Devi, Sayantan Sinha, W. Ishwarchand, Bibhu P. Swain* Department of Physics, National Institute of Technology Manipur, Langol, Manipur, India, 795004
CL96 18:10-18:20 (Abstract No. 814)	Photoresistive switching behaviour of WO₃/MoS₂ heterostructure thin films for opto-memristor applications Mohd Salman Siddiqui¹ , Hitesh Borkar ^{1, 2} , M. Aslam ^{*,1} ¹ Department of Physics, Indian Institute of Technology Bombay, Powai, Mumbai, 400076, India ² Department of Physics, National Institute of Technology, Warangal, Telangana, 506004, India
IL42 18:20-18:50	Measuring Material Damage with Stored Energy - Applications from Nuclear Reactors to Non-Proliferation Prof. Micheal Short MIT, USA
17:50-18.40	SESSION – 5G PARALLEL SESSION Industrial nanotechnology: products and commercialization, Nanocomposites and catalysts
Chair Person	: Dr. Matthias Opel Walther Meissner Institute for Low Temperature Physics, Germany Germany
Repertoire	: Dr. M. Kovendhan Department of Physics and Nanotechnology, SRM IST, Kattankulathur
CL97 17:50-18:00 (Abstract No. 819)	Modification of transport properties with graphene oxide reinforcement in TiO₂ thin Films Mrinmoy Chakraborty¹ , Rounak Banerjee ^{1,2} ¹ Department of Physics, Presidency University, 86/1 College Street, Kolkata-700073 ² Department of Physics, Arizona State University, Arizona, USA
CL98 18:00-18:10 (Abstract No. 831)	Influence of morphology on the oxygen reduction reaction (ORR) of nanocrystalline β-MnO₂ I. Cruz Reyes¹ , R.M. Félix Navarro ¹ , Karla F. Alonso, F. Paraguay-Delgado ³ , B. Trujillo-Navarrete ^{2,*} ¹ Tecnológico Nacional de México/Instituto Tecnológico de Tijuana/Centro de Graduados e Investigación en Química, Tecnológico de Tijuana, Blvd. Alberto Limón Padilla s/n Col. Otay

<p>CL99 18:10-18:20 (Abstract No. 952)</p> <p>IL43 18:20-18:50</p>	<p>Tecnológico, Tijuana, B.C. 22510, México. ²Tecnológico Nacional de México/Instituto Tecnológico de Tijuana/Posgrado en Ciencias de la Ingeniería. ³Centro de Investigación en Materiales Avanzados, Miguel de Cervantes 120, Chihuahua, 22510, México.</p> <p>Synthesis and Characterization of Graphene-Composite Foam Himanshu (Rathore)¹, Dharmveer (Yadav)², Shobha (Shukla)¹, Sumit (Saxena)¹ ¹Nanostructures Engineering and Modeling Lab, Metallurgical Engineering and Material Sciences Department, IIT Bombay, Mumbai, Maharashtra, India-400076 ²Centre for Research in Nanotechnology and Science, Indian Institute of Technology Bombay, Mumbai, Maharashtra, India – 400076</p> <p>Recent advances on Materials for Energy storage and Materials recovery Dr. M.V. Reddy Institute of Research Hydro-Québec, Canada</p>
<p>17:00-18:30 POSTER SESSION Postertrack10-ICONN21 Postertrack11-ICONN21 (CP1801-CP2000) (CP2001-CP2200) * For more details on poster session, please refer the pages from 242 To 285</p>	

DAY – 3		03-02-2021	Wednesday
08:00 – 10:45		Keynote Lectures	
Chair Person		: Dr. John V Kennedy GNS Science, New Zealand	
Repertoire		: Dr. Debabrata Sarkar Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
KL16 08:30-09:15	Electronic Properties of 2D Carbide and Carbonitride MXenes Prof. Yury Gogotsi Drexel University, Philadelphia, USA		
KL17 09:15-10:00	Elucidating the Mechanisms for Atomic Layer Growth through In Situ Studies Dr. Jeffrey W. Elam Argonne National Laboratory , IL, USA		
Chair Person		: Dr. Daniel Moraru Shizuoka University, Japan	
Repertoire		: Dr. Bhaskar Chandra Behera Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
KL18 10:00-10:45	Advanced Nanoporous Materials for Clean Energy Generation Prof. Ajayan Vinu The University of Newcastle, Callaghan, Australia		
10:50 – 12:20		SESSION – 6A	PARALLEL SESSION
Nanocomposites and catalysts, Nanobiotechnology, nanotoxicology and nanomedicine			
Chair Person		: Dr. Paromita Chakraborty Research Institute, SRM IST	
Repertoire		: Dr. M. Alagiri Department of Physics and Nanotechnology, SRM IST, Kattankulathur	

IL44 10:50-11:20	Dirac nodal lines and the flat band surface state in the functional oxide RuO₂ Dr. Vedran Jovic National Isotope Center, GNS Science, New Zealand
IL45 11:20-11:50	Probabilistic machine learning for predicting cytotoxicity of TiO₂-(multi)metal (Ag, Pt, Au) nanoparticles Paul Rossener Regonia Nara Institute of Science and Technology, Japan
IL46 11:50-12:20	Molybdenum-based quantum dots, nanocubes and integrated 2D nanostructures for virus detection Dr. Ojodomo J. Achadu Shizuoka University, Japan
10:50 – 12:25	
<div>SESSION – 6B</div> <div>Nanostructured solar cells and thermoelectrics</div> <div>PARALLEL SESSION</div>	
Chair Person	: Prof. Madhu Bhaskaran RMIT University, Melbourne, Australia
Repertoire	: Dr. R. M. Hariharan Department of Physics and Nanotechnology, SRM IST, Kattankulathur
TL09 10:50-11:25	Electron-Phonon Interaction Observed in Thermoelectric Properties of Si Micro/Nanowires Prof. Ikeda Shizuoka University, Japan
IL47 11:25-11:55	Recent advances in the organic solar cells based on nonfullerene small molecule acceptors Prof. Ganesh D. Sharma LNMIIT, Jaipur, India
CL100 11:55-12:05 (Abstract No.1382)	Self-Assembled Core-Shell TiO₂-ZnSe Photo-anodes for Solar Cell Applications KulandaiVeluRamanathan , JagdishRamkrushnaPatil, Niket Suresh Powar, Shantikumar V Nair and MariyappanShanmugam* ¹ Amrita Centre for Nanosciences and Molecular Medicine, Amrita Vishwa Vidyapeetham, Kochi, Kerala - 682041
CL101 12:05-12:15 (Abstract No. 1390)	Effect of doping concentration on the properties of aluminium doped zinc oxide nanoparticles as photoanodes for dye sensitized solar cells Neena Bachan^{1,2} , D. J. Sharmila ¹ , P. Naveen Kumar ¹ and J. Merline Shyla ^{1*} ¹ Department of Physics, Energy NanoTechnology Centre (ENTeC), Loyola Institute of Frontier Energy (LIFE), Loyola College, Chennai – 600 034, India. ² Department of Science & Humanities, Providence College of Engineering, Chengannur-689 122, Kerala, India.
CL102 12:15-12:25 (Abstract No. 1480)	Effects of CuO, Al₂O₃, MnO and ZnO on Thermo Electric Power Factor of Nb-SrTiO₃ Charan Prasanth¹ , Roshan Jose ¹ ,Ammu Vijay ¹ ,Venkata Saravanan K ¹ ¹ Central University of Tamilnadu, Thiruvavur, Tamilnadu
10:50 – 12:25	
<div>SESSION – 6C</div> <div>Molecular and Nanoelectronics</div> <div>PARALLEL SESSION</div>	
Chair Person	: Prof. Shanthi Prince Department of Electronics and Communication Engineering , SRM IST, Kattankulathur
Repertoire	: Dr. A. Naga Rajesh Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL48 10:50-11:20	Electron-electron scattering in silicon and its impact on future emerging devices Yukinori Ono, Shizuoka University, Japan
TL10 11:20-11:55	Extremely High-Performance InGaAs FinFETs for Next-Generation CMOS Logic Applications Prof. Edward Yi Chang

	National Chiao Tung University, Taiwan.
CL103 11:55-12:05 (Abstract No. 983)	Fabrication of highly sensitive electrochemical chloride sensor using silver-manganese nanorods modified graphene sheets Arun Kumar P¹² , Bipin G Nair ^{1,3} , Satheesh Babu TG ¹² , SuneeshPV ¹² ¹ Amrita Biosensor Research Lab, Amrita School of Engineering, Coimbatore, Amrita Vishwa Vidyapeetham, India. ² Department of Sciences, Amrita School of Engineering, Coimbatore, Amrita Vishwa Vidyapeetham, India. ³ Amrita School of Biotechnology, Kollam, Amrita Vishwa Vidyapeetham, India
CL104 12:05-12:15 (Abstract No. 1001)	Deducing uniaxial anisotropy for various NiCr nanostructures Murtaza Bohra , Sai VittalBattula, Vidya Alman Mahindra University, École Centrale School of Engineering, Hyderabad, Telangana, India, 500043
CL105 12:15-12:25 (Abstract No. 1050)	High-Performance of Mixed Halide Triple Cation Perovskite Solar Cell by Post Vapor Annealing Vijay Srinivasan Murugesan^{1&2} ¹ Research Center for Advanced Science and Technology (RCAST), The University of Tokyo, 4-6-1, Komaba, Meguro-Ku, Tokyo 153-8904, Japan ² Graduate School of Engineering, 1614 Kuroganecho, Aoba, Toin University of Yokohama, Kanagawa 225-8502, Japan
10:50 – 12:20 <div> <div>SESSION – 6D</div> <div>PARALLEL SESSION</div> </div>	
<div>Nanotechnology for energy harnessing, transport and storage</div>	
Chair Person	: Prof. Yasuhiro Hayakawa Shizuoka University, Japan
Repertoire	: Dr. Ravikirana Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL49 10:50-11:20	A new approach of reduced graphene oxide with a porous structure by a microwave-assisted one-pot method for high capacitance supercapacitor Jiaojiao Ma Shizuoka University, Japan
IL50 11:20-11:50	Direct Solar Water Splitting for Low-Cost Hydrogen Production Dr. Siva Krishna Karuturi Australian National University, Australia
CL106 11:50-12:00 (Abstract No. 332)	Cerium Doped Molybdenum Phosphate: A New Electrode Material for Supercapacitor Applications Nandhini S , Kalaiselvi G, Muralidharan G* Department of Physics, The Gandhigram Rural Institute - Deemed to be University, Gandhigram, Tamilnadu, India,
CL107 12:00-12:10 (Abstract No.562)	Calcination temperature dependent dielectric properties of nanocrystalline BaSnO₃ Suvra Pal^{1,*} , Nirmalya S. Das ² , Brahami Das ¹ , Subhadipta Mukhopadhyay ¹ and Kalyan K. Chattopadhyay ^{1,3,#} ¹ Department of Physics, Jadavpur University, Kolkata 700032, India ² Department of Physics, Techno International - Batanagar, Kolkata 700141, India ³ School of Materials Science & Nanotechnology, Jadavpur University, Kolkata 700032, India
CL108 12:10-12:20 (Abstract No. 655)	Energy harvesting and Storage application of Lanthanum doped ferroelectric PZT Thick films Vandana¹ , Monika Tomar ² , Ram Pal Tandon ¹ , Vinay Gupta ^{1*} ¹ Department of Physics and Astrophysics, University of Delhi, Delhi-110007 ² Department of Physics, Mianda House, University of Delhi

10:50 – 12:20		SESSION – 6E	PARALLEL SESSION
Sensors, actuators and NEMS/MEMS			
Chair Person		: Prof. Naonori Sakamoto Shizuoka University, Japan	
Repertoire		: Dr. R. Ajay Rakkesh Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL51 10:50-11:20	Thermal Characterization of Porous Silica by Micrometer-Size Resistance Thermometry Prof. Hiroshi Inokawa Shizuoka University, Japan		
IL52 11:20-11:50	Ultrasonically assisted tunable localized surface plasmon resonance and its multisensor Application Prof. J. Kondoh Shizuoka University, Japan		
IL53 11:50-12:20	Electrocatalytic Water Oxidation Based Virus Sensing Dr. Akhilesh Babu Ganganboina Shizuoka University, Japan		
10:50 – 12:20		SESSION – 6F	PARALLEL SESSION
Manipulation and characterization of materials at nanoscale/atomic scale			
Chair Person		: Prof. Yosuke Shimura Shizuoka University, Japan	
Repertoire		: Dr. Rudra Banerjee Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL54 10:50-11:20	Charge pumping under electron spin resonance Prof. Masahiro Hori Shizuoka University, Japan		
IL55 11:20-11:50	Atomic-scale structural analysis by X-ray fluorescence holography and photoelectron diffraction Prof. Masaru Shimomora Shizuoka University, Japan		
CL109 11:50-12:00 (Abstract No. 338)	The influence of n-sio ₂ on the micro structure of poly (phospo-siloxo) geopolymetric network synthesized using meta kaolin binder and phosphoric acid hardener Vanitha N ¹ ,Sivasakthi M ² ,Revathi T ² ,Mariyammal N ³ ,Jeyalakshmi R ^{1*} ¹ Research scholar, Department Of Chemistry, SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203, ² Project officer, Centre for Advanced Concrete Research, SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ² Project Associate, Department Of Chemistry, SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ³ Research scholar, Department Of Chemistry, SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ^{1*} Professor, Department Of Chemistry,SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203.		
CL110 12:00-12:10 (Abstract No. 348)	Facile fabrication of 3D Cu ₂ O/TiO ₂ /cellulose nanofiber-reduced graphene aerogel with enhanced photocatalytic activity Alvin Lim Teik Zheng ¹ , Toshinari Maeda ¹ , and Yoshito Andou ^{1,2*} ¹ Department of Life Science and Systems Engineering, Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology, Fukuoka 808-0196, Japan ² Collaborative Research Centre for Green Materials on Environmental Technology, Kyushu Institute of Technology, Fukuoka 808.		

CL111 12:10-12:20 (Abstract No. 482)	Starch Assisted Green Synthesis of Nano-Ferrite and Ferrite-Semiconductor Nanocomposites for Photocatalytic Degradation of Methylene Blue M. Chandrika ⁴ , A. V. Ravindra ^{1, 2, 3} , Shu Yi Wang ^{1, 2, 3}
10:50 – 12:20	
SESSION – 6G	
Surfaces, interfaces and thin films, Low-dimensional and 2D materials	
Chair Person	: Prof. Ashish Kapoor Department of Chemical Engineering, SRM IST, Kattankulathur
Repertoire	: Dr. Arul Varman Kesavan Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL56 10:50-11:20	Synthesis of α-FeSi₂, MnSi_{1.7} and Mg₂Si nano/micro-structures by Reactive Deposition Process Prof. Hirokazu Tatsuoka Shizuoka University, Japan
IL57 11:20-11:50	Development of double polarity selective area growth using MOVPE for fabrication of GaN QPM crystal Prof. Takayuki Nakano Shizuoka University, Japan
CL112 11:50-12:00 (Abstract No. 479)	The electrical parameters in Ag/Ge-NW/Si (MS) device as a function of frequency and voltage H Manas Singh ¹ , P Chinnamuthu ¹ ¹ Department of Electronics and Communication Engineering, NIT Nagaland, Dimapur, India, 797103
CL113 12:00-12:10 (Abstract No. 496)	Role of PVA Capping on Photophysical Properties of Chemically Prepared CdS Nanomaterials: Insights on Energy Transfer Mechanisms in the Capped System Lakshmi Kumari*, Asit Kumar Kar Micro and Nano Science Laboratory, Department of Physics, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand – 826004, India.
CL114 12:10-12:20 (Abstract No. 512)	Emergence of ripple morphology on Si surface at off normal incidence via ion beam assisted surfactant sputtering Anindita Deka ^{1,2*} , Pintu Barman ^{1,2} , M. K. Mukhopadhyay ¹ and S. R. Bhattacharyya ¹ ¹ Saha Institute of Nuclear Physics, Sector-1, 1/AF Bidhannagar, Kolkata-700064, India ² Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai 400094, India
12:30 – 13:15	
Keynote Lectures	
Chair Person	: Prof. Yoshiyuki Kawazoe Tohoku University, Japan
Repertoire	: Dr. S. Chandramohan Department of Physics and Nanotechnology, SRM IST, Kattankulathur
KL19 12:30-13:15	Over-the-horizon van der Waals layered materials Prof. Young Hee Lee SUNGKYUNKWAN University, Suwon, 16419, Korea
13:15-13:45	
BREAK	
13:45 – 16:00	
Keynote Lectures	
Chair Person	: Prof. Roberto Paolesse University of Rome Tor Vergata Rome, Italy
Repertoire	: Dr. E. Senthil Kumar Department of Physics and Nanotechnology, SRM IST, Kattankulathur

KL20 13:45-14:30	Ferroelectricity in 2 Dimensions Prof. Umesh V. Waghmare Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore
KL21 14:30-15:15	Quantum Materials and Advances in Nanotechnology Prof. M. S. Ramachandra Rao IIT Madras, Chennai, India
KL22 15:15-16:00	Building with bubbles. Is it the start of a New generation of Catalysts? Prof. Suresh Bhargava RMIT University, Melbourne VIC, Australia
16:00 – 17:00 SESSION – 7A PARALLEL SESSION Nanoscale modelling and applications	
Chair Person : Dr. Mehul Malik Heriot Watt University, Edinburgh, UK	
Repertoire : Dr. P. Justin Jesuraj Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL58 16:00-16:30	Descriptors to Search Best Catalyst for OER/NRR using Quantum Mechanics/Machine Learning approach Prof. Ranjit Thapa SRM IST AP, INDIA
CL115 16:30-16:40 (Abstract No.255)	Exploring the effect of Jahn-Teller distortion on Electrocatalytic activity of MoO₃ H. Seshagiri Rao^{1,2}, Pernapati Nagaraja^{1,2}, Ponniah Justin², G. Ranga Rao¹ ¹ Department of Chemistry, Indian Institute of Technology Madras, Chennai 600036, Tamil Nadu, India ² Department of Chemistry, RK Valley, Rajiv Gandhi University of Knowledge Technologies, Andhra Pradesh -516330, India.
CL116 16:40-16:50 (Abstract No. 1343)	Bimetallic Ag-Nb Anchored Graphitic Carbon Nitride Nanosheets Based Electrochemical Sensor for Uric Acid Detection Navami Sunil, P.Pavithra, R. Vishnuraj and P. Biji* Nanosensor Laboratory, PSG institute of Advanced Studies, Coimbatore-641004. Tamil Nadu, INDIA.
WRAP* (CL117) 16:50-17:00 (Abstract No. 1724)	Interaction between Polyvinylthiol and silver nanoparticles with SiO₂ for the SERS detection of landfill leachate A.Aarthi, M.Umadevi, R.Parimaladevi, G.V.Sathe Department of Physics, Mother Teresa Women's University, Kodaikanal, India.
16:00 – 17:00 SESSION – 7B PARALLEL SESSION Nanostructured solar cells and thermoelectrics/ Nanocomposites and catalysts/ Environmental nanotechnology	
Chair Person : Prof. Peter PETRIK Hungarian Academy of Sciences, Hungary	
Repertoire : Dr. Jitendra Kumar Tripathi Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL59(IRAP) 16:00-16:30	Boosting thermoelectric performance of bulk thermoelectric materials through in-situ created nano inclusions Dr. Ajay Singh Bhabha Atomic Research Centre (BARC), Mumbai
CL118 16:30-16:40	Experimental Study on Effect of Nano silica in improving Bond strength between Geopolymer Bricks/Blocks

(Abstract No. 1444)	R.R.Bharath¹ , R.Jeyalakshmi ² , K.Prasanna ^{1*} , P.R.Kannan Rajkumar ¹ ¹ Research Scholar, Department of Civil Engineering, SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ² Professor, Department of Chemistry, SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ^{1*} Assistant Professor, Department of Civil Engineering, SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203 ¹ Associate Professor, Department of Civil Engineering, SRM institute of Science and Technology, Kattankulathur, Tamilnadu, India.
CL119 16:40-16:50 (Abstract No. 1489)	Investigating the effect of titanium dioxide coating on stainless steel electrodes for removal of dyes from wastewater in photo electrocoagulation Chandra Kanth P¹ , Maitrayee U. Trivedi ¹ , Chiranjeev Singh Dhillon ² Manoj Kumar Pandey ¹ , BrijeshTripathi ^{*1} ¹ Department of Science, School of Technology, PanditDeendayal Petroleum University, Gandhinagar, Gujarat, India-382007 ² Parul Institute of Applied Sciences, Parul University, Ahmedabad, Gujarat, India
YRAP* (CL120) 16:50-17:00 (Abstract No. 2463)	Nanoindentation and scratch analysis of VPE grown SiC thin films Dr. Joice Sophia Ponraj Aaivalayam-DIRAC, Coimbatore, India & International Iberian Nanotechnology Laboratory, Portugal
16:00 – 17:00	
<div> <div>SESSION – 7C</div> <div>PARALLEL SESSION</div> <div>Molecular and Nanoelectronics</div> </div>	
Chair Person	: Dr. Siva Krishna Karuturi Australian National University, Canberra, Australia
Repertoire	: Dr. G. Devanand Venkatasubbu Department of Physics and Nanotechnology, SRM IST, Kattankulathur
IL60 16:00-16:30	Device Scaling for Novel Low-Dimensional Materials in High-Frequency Nanoelectronics Applications Dr. Abhay A. Sagade SRM IST, Chennai, India
CL121 16:30-16:40 (Abstract No. 73)	Temperature dependent resistive switching behavior of La_{0.7}Ca_{0.3}MnO₃-rGO nanocomposite Karuna Kumari¹ , A. D. Thakur ² , S. J. Ray ³ ¹ Indian Institute of Technology, Patna, Bihar, India, 8011
CL122 16:40-16:50 (Abstract No. 180)	Magnetoelectric studies on La_{0.7}Ba_{0.3}MnO₃ embedded in P(VDF-TrFE) polymer flexible films Sougata Koner^{1,2} , Pratik Deshmukh ^{1,2} , A. K. Karnal ^{1,2} and S. Satapathy ^{1,2} ¹ Laser and Functional Materials Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India ² Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai-400094, India
CL123 16:50-17:00 (Abstract No. 812)	Optimization and mechanism of MoS₂ based FETs for room temperature operated NO₂ gas sensor Sujit Kumar^{1*} , Anjali sharma ² , Monika Tomar ³ , Vinay Gupta ¹ ¹ Department of Physics and Astrophysics, University of Delhi, Delhi-110007, India ² Department of Physics, ARSD college, University of Delhi, Delhi-110007, India ³ Department of Physics, Miranda House, University of Delhi, Delhi-110007, India
16:00 – 17:00	
<div> <div>SESSION – 7D</div> <div>PARALLEL SESSION</div> <div>Complex and Meta-Nanophotonics: Classical to Quantum/ Surfaces, interfaces and thin films</div> </div>	
Chair Person	: Prof. Naoki Wakiya Shizuoka University, Japan

Repertoire : Dr. P. Malar SRM Research Institute, SRM IST, Kattankulathur	
IL61 16:00-16:30	Complex Nanophotonics for Authentication and Quantum Information Processing Prof. Pepijn Pinkse University of Twente, Netherlands
CL124 16:30-16:40 (Abstract No. 1365)	Direct epitaxial growth of two-dimensional MoS₂-graphene heterostructures using Gas-phase chemical vapor deposition Nitin Babu Shinde¹ and Senthil Kumar Eswaran ^{1,2,*} ¹ 2D Materials and Devices Laboratory (2DML), Department of Physics and Nanotechnology, SRM Institute of Science and Technology (SRMIST), Kattankulathur-603203, Chennai, India, ² Nanotechnology Research Centre (NRC), SRM Institute of Science and Technology (SRMIST), Kattankulathur -603203, Chennai.
CL125 16:40-16:50 (Abstract No. 1372)	Investigations on Cubic Phase Stability at Room Temperature and Photoluminescence Properties of Sm and DyCodoped HfO₂ Sandeep Kumar¹ and Chandana Rath ² ¹ Department of Electrical Engineering, Indian Institute of Technology Bombay, Mumbai, India, 400076 ² School of Materials Science and Technology, Indian Institute of Technology (B.H.U), Varanasi, India, 221005
CL126 16:50-17:00 (Abstract No. 1455)	Optimization of alternative transparent conducting Nb and Sb co-doped SnO₂ thin films by spray pyrolysis method Reddivari Muniramaiah ¹ , Nandarapu Purushothamreddy¹ , R. Ramarajan ¹ , Rompivasala Santhosh ² , M. Kovendhan ³ , Murali Banavoth ^{2*} D. Paul Joseph ^{1*} ¹ Department of Physics, National Institute of Technology Warangal, Telangana State, India, 506004. ² Solarcells & Photonics Research Laboratory, School of Chemistry, University of Hyderabad, Telangana, India, 500046. ³ Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Kattankulathur, Tamilnadu, India, 603203.
16:00 – 17:00 SESSION – 7E PARALLEL SESSION Sensors, actuators and NEMS/MEMS	
Chair Person : Prof. Hiroshi Inokowa Shizuoka University, Japan	
Repertoire : Dr. Payel Bandyopadhyay Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
IL62 16:00-16:30	Hierarchical Two-Dimensional Nanostructures for Electrochemical and Biosensor Applications Prof. R. Jayavel Anna University, Chennai, India
CL127 16:30-16:40 (Abstract No. 417)	Modeling and Resonant Frequency Investigations of MEMS based Oscillator SatyanarayanaTalam ^a , RambabuBusi^{b*} , VenkatramaiahNutalapati ^c , ^a Dept. of ECE, Lakireddy Bali Reddy College of Engineering (A), Mylavaram, Krishna-521230, A.P., India ^b Dept. of EIE, Lakireddy Bali Reddy College of Engineering (A), Mylavaram, Krishna-521230, A.P., India ^c Dept. of Chemistry, S.R.M. Institute of Science & Technology (SRM IST), 603 203, Chennai, Tamil Nadu, India.
CL128 16:40-16:50 (Abstract No. 475)	WO₃Nanorods Structures for High-Performance Gas Sensing Application Umesh T. Nakate^a , Vijay Kumar Singh ^a , Y.T. Yu ^b , Sungjune Park ^{a,*} , ^a Department of Polymer-Nano science and Technology, Department of Nano Convergence Engineering, Jeonbuk National University, 567 Baekje-daero, Deokjin-gu, Jeonju-si, Jeollabuk-do,

	<p>Republic of Korea.</p> <p>^bDivision of Advanced Materials Science & Engineering, Department of Electronic Information Materials Engineering, Jeonbuk National University, 567 Baekje-daero, Deokjin-gu, Jeonju-si, Jeollabuk-do, Republic of Korea.</p>
<p>CL129 16:50-17:00 (Abstract No. 590)</p>	<p>Electric field modulated photoluminescence property in ferroelectric ceramics for photosensitive device applications</p> <p>Hitesh Borkar¹, Vishnu V. Jaiswal¹, Jitendra Gangwar², D. Haranath¹ Ashok Kumar³</p> <p>¹Department of Physics, National Institute of Technology, Warangal, Telangana, India, 506004</p> <p>²Department of Physics, RPS Degree College, Balana, Mahendergarh, Haryana, India, 123029</p> <p>³CSIR-National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi 110012, India</p>
<p>16:00 – 17:00 SESSION – 7F PARALLEL SESSION</p> <p>Industrial nanotechnology: products and commercialization</p>	
<p>Chair Person : Prof. Jun Kondoh Shizuoka University, Japan</p> <p>Repertoire : Dr. C. Siva Department of Physics and Nanotechnology, SRM IST, Kattankulathur</p>	
<p>IL63 16:00-16:30</p>	<p>Nanostructures materials and their applications</p> <p>Dr. G. Mangamma Indira Gandhi Centre for Atomic Research, Kalpakkam, India</p>
<p>CL130 16:30-16:40 (Abstract No. 555)</p>	<p>Modification of topological Hall effect with Co-doping in the uniaxial van der Waals ferromagnet (Co_xFe_{1-x})₃GeTe₂</p> <p>R. Roy Chowdhury¹, S. DuttaGupta²⁻⁴, C. Patra¹, S. Sharma¹, S Fukami^{2-4,5,6}, H Ohno^{2-4,5,6}, and R P Singh¹</p> <p>¹Department of Physics, Indian Institute of Science Education and Research Bhopal. 462-066. India</p> <p>²Center for Science and Innovation in Spintronics, Tohoku University. 980-8577. Japan</p> <p>³Center for Spintronics Research Network, Tohoku University. 980-8577. Japan</p> <p>⁴Laboratory for Nanoelectronics and Spintronics, Research Institute of Electrical Communication, Tohoku University. 980-8577. Japan</p> <p>⁵Center for Innovative Integrated Electronic Systems, Tohoku University. 980-0845. Japan</p> <p>⁶WPI-Advanced Institute for Materials Research, Tohoku University. 980-8577. Japan</p>
<p>CL131 16:40-16:50 (Abstract No. 932)</p>	<p>Effect of magnetic field on the energy spectrum, binding energy and magnetic susceptibility of an impurity in a 2-D Gaussian quantum dot</p> <p>AaluBoda Department of Physics, National Institute of Technology Warangal, Telangana, India, 506004</p>
<p>CL132 16:50-17:00 (Abstract No. 1277)</p>	<p>Room Temperature Magnetization Dynamics of Y₃Fe₅O₁₂ films Capped with a Cr₂O₃ Layer</p> <p>Satya Prakash Pati^{1,*}, Yasushi Endo¹</p> <p>¹Department of Electrical Engineering, Tohoku University, Sendai 980-8577, Japan</p>
<p>16:00 – 17:00 SESSION – 7G PARALLEL SESSION</p> <p>Nanomagnetism and Spintronics</p>	
<p>Chair Person : Prof. Hirokazu Tatsuoka Shizuoka University, Japan</p> <p>Repertoire : Dr. Trilochan Sahoo Department of Physics and Nanotechnology, SRM IST, Kattankulathur</p>	
<p>IL64 16:00-16:30</p>	<p>Spin Hall Magnetoresistance in Antiferromagnetic Insulators</p> <p>Dr. Matthias Opel Walther Meissner Institute for Low Temperature Physics, Germany</p>
<p>CL133</p>	<p>Study on magnetocaloric properties of SrFe_{12-x}M_xO₁₉ (M=Co,Ni,Cu)nanoparticles for environment</p>

16:30-16:40 (Abstract No. 27)	friendly magnetic refrigeration Induja S¹, Janani V², Gopalakrishnan Chandrasekaran^{1*} ^{1,2,1*} Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Chennai 603203, Tamilnadu, India.
CL134 16:40-16:50 (Abstract No. 485)	Magnetic and Magnetocaloric properties of Rapidly Solidified DyAl₂ Nanostructures MitaliMadhusmita Prusty¹, J. Arout Chelvane² and R. Nirmala^{1*} ¹ Department of Physics, Indian Institute of Technology Madras, Chennai 600 036, India ² Defence Metallurgical Research Laboratory, Hyderabad 500 058, India
CL135 16:50-17:00 (Abstract No. 506)	Post Treatment Studies on FeCo/NiO Exchange Biased Thin Films Sangeeth K.¹, V. Srihari², V.R. Reddy³, D. Kanjilal⁴, Ratnesh Gupta¹ ¹ School of instrumentation, Devi AhilyaVishwavidyalaya, Khandwa Road, Indore, INDIA. ² Indus Synchrotron Utilization Division, Raja RamannaCenter for Advanced Technology, Indore-452013, INDIA. ³ UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore 452001. ⁴ Inter-University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi, INDIA.
17:05 – 18:35 Keynote Lectures	
Chair Person : Prof.M.S. Ramachandra Rao IIT Madras, Chennai, India	
Repertoire : Dr. E. Senthil Kumar Department of Physics and Nanotechnology, SRM IST, Kattankulathur	
KL23 17:05-17:50	Evolution of microstructure in magnetron sputtered nanocomposite thin films and its effect on mechanical behavior Prof. Rahul Mitra Indian Institute of Technology, Kharagpur
KL24 17:50-18:35	Ultra-low switching Energy Memories to artificial neurons Prof. T. Venky Venkatesan NUSNNI, National University of Singapore
18:35-19:15 VALEDICTORY PROGRAMME	
18:35 Welcome Address	Dr. C. Preferencial Kala Associate Professor Dept. of Physics and Nanotechnology
18:40 Report on Conference	Dr. A.Karthigeyan Programme Co-ordinator, ICONN 2021 SRMIST
18:45 Valedictory Address	Prof. Corrado Di Natale Department of Electronic Engineering University of Rome Tor Vergata
18:55	Feedback from Participants
19:00 Awards Distribution & Concluding Remarks	Dr. T. V. Gopal Dean (CET)
19:10 Vote of Thanks	Dr. M. Krishna Mohan HOD / Physics and Nanotechnology
19:15	National Anthem

Poster Session-1-1st Feb 2021-13.30 PM to 15.00 PM

Track-1, Track 2 and Track 3

S.No	Contributory Poster ID	Abstract Number	Title and Name of the Presenter
1	CP-1	25	Two photon lithography of subwavelength plasmonic microstructures in metal polymer composite resin Mr.Arun Jaiswal, Indian Institute of Technology, India
2	CP-2	115	Structural and photoluminescent properties of Sm ³ doped NaBi(WO ₄) ₂ phosphors for reddish orange light emitting applications Ms.KRISHNAPRIYA T Mahatma Gandhi University, Kotayam, Kerala, India
3	CP-3	128	An optimum design of one dimensional photonic crystal for solar cell applications Mrs.KARTHIKA SANKAR Cochin University of Science and Technology, India
4	CP-4	154	G. Muruganandi ¹ , M.B.Jessie Raj ¹ ,T.C. SabarGirisun ² Mrs.G.MuruganandiPG Research Department of Physics Bishop Hebe, India
5	CP-5	155	Incoherent Second Harmonic Generation by Graphene Quantum Dots Mr.Manoel Leonardo da Sil Federal University of Pernambuco, BRAZIL
6	CP-6	188	Effect of DNA Templated Silver Nanoparticles on Photoluminescence of Rhodamine 6G doped Sol-Gel Derived Glasses Mrs.REENA V N Govt College Madappally Vadakara, India

7	CP-8	243	Optimization of MoO ₃ thin films for fabrication of Surface Plasmon Resonance based gas sensors Ms.Surbhi Jain University of Delhi, India
8	CP-9	301	Microchannel fabrication using laser engraving in starch-based elastomer for microfluidics application Mr.Soumyabrata Banik Manipal School of Life Sciences, India
9	CP-10	440	Facile Hg ion sensing using fluorescence switch on-switch off of Rhodamine 6G using gold nanoparticles Mr.Jostine P Joby Goa University, India
10	CP-11	441	Effect of Annealing on Photoluminescence of MgAl _{1.8} Y _{0.14} Eu _{0.06} O ₄ Dr.KODAM UGENDAR Jabalpur Engineering College, India
11	CP-12	461	First-Principles Study Of Lead-free Photovoltaic Double Perovskite Cs ₂ AgInCl _(x-6) Br _x Mr.Brij Kumar Bareilly Gurukul Ghasidas Central University, India
12	CP-13	503	Surface plasmon enhanced FRET efficiency and pump wavelength absorption controlled amplified spontaneous emission in an on-chip droplet system Ms.aswathy Sundaresan IISER Trivandrum, India
13	CP-14	529	Highly Sensitive Nitrogen Dioxide Sensor based on Enhancement of Surface Plasmon Resonance Response in Glass Waveguides by C-Ag Nanodots Ms.P NANDINI SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India

14	CP-15	530	Design of a fibre-optic sensor with ultrahigh resolution based on gain-enhanced surface plasmon resonance Ms.Bhabya Sinha SRM Institute of Science and Technology, India
15	CP-16	537	Nano-structured Transition Metal Sulphides as Plasmonic solar cell materials Mrs.N SOUJANYA KONERU LAKSHMAIAH EDUCATIONAL FOUNDATION, India
16	CP-17	541	V2O5-Sn mesh electrode system for inverted polymer solar cells Dr.Kovendhan Manavalan SRM Institute of Science and Technology, India
17	CP-18	561	Role of acceptor concentration-dependent FRET behind luminescence tuning in polymer capped ZnO for application in hybrid LEDs Mr.Dhritiman Banerjee IIT ISM Dhanbad, India
18	CP-19	566	Core modified free based porphyrin in solution/glass matrix for optical limiting application Ms.Ravina Beniwal, Indian Institute of Technology Jodhpur, India
19	CP-20	590	Electric field modulated photoluminescence property in ferroelectric ceramics for photosensitive device applications Dr.Hitesh Borkar National Institute of Technology, Warangal Telanga, India
20	CP-21	691	Discrete dipole approximation based investigation of plasmon-plasmon interaction in gold-silver core-shell nanoparticles Ms.Atrayee Hazra IEST, Shibpur, India
21	CP-22	723	Mr.Kamal Kant Kashyap NIT Nagaland, India

22	CP-23	732	<p>Terahertz emission through spherical nanoparticles using dark hollow Gaussian beams</p> <p>Dr.DIMPLE SHARMA ARSD College University of Delhi, India</p>
23	CP-24	867	<p>High sensitivity sensor based on the Fano resonance</p> <p>Mr.hocine bahri university of msila, ALGERIA</p>
24	CP-25	869	<p>High Sensitivity Plasmonic Sensor Based on Metal–Insulator–Metal Waveguide Coupled with a Notched Hexagonal Ring Resonator and a Stub</p> <p>Dr.Ben salah Hocine Department of Physics and Nanotechnology, SRMIST, ALGERIA</p>
25	CP-26	870	<p>High sensitivity sensor based on the Fano resonance</p> <p>Mr.bahrihocine msila, ALGERIA</p>
26	CP-27	873	<p>Effect of anisotropy on the collective response of high refractive index dielectric metasurfaces</p> <p>Dr.Jayasri Dontabhaktuni Mahindra University, India</p>
27	CP-28	917	<p>Detection of copper ions using fiber optic sensor modified with 4-MBA tagged gold nano- particles</p> <p>Dr.P Vayunandana Kishore Lakireddy Balireddy College of Engineering, India</p>
28	CP-29	966	<p>Biophysical characterization of rice starch granules</p> <p>Dr.Nirmal Mazumder MAHE Manipal, India</p>
29	CP-30	981	<p>Increasing the free spectral range of Fabry-Perot cavities using dissimilar 1D Photonic crystals</p> <p>Ms.Shilpa R SRM Institute of Science and Technology, India</p>

30	CP-31	1028	Optical, Structural, and Photoluminescence Properties of Gd x SrO: CdO Nanostructures Synthesized by Co precipitation Method Dr. Vinayak Adimule Angadi Institute of Technology and Management, India
31	CP-32	1064	Third order nonlinear properties of Cr doped PbWO ₄ nanoparticles Ms. P DIVYA SRM Institute of Science and Technology, India
32	CP-33	1065	Synthesis of Silicon Nanowire and Carbon Quantum Dots Heterostructure and Study of Its Photoresponse and Photoluminescence Property Dr. Sourav Sarkar Jadavpur University, India
33	CP-34	1066	Structural and nonlinear optical investigation of Mn doped PbWO ₄ nanoparticles Ms. P DIVYA SRM Institute of Science and Technology, India
34	CP-35	1091	Light Transmission in One Dimensional Periodic and Randomly Arranged Photonic Crystals Ms. LAKSHMI THARA SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
35	CP-36	1113	Effect on pH, growth, spectroscopic, laser damage threshold, micro hardness and UV linear and nonlinear optical properties of AB (SCN) ₄ single crystals Dr. Ramesh V SRM Institute of Science and Technology, India
36	CP-37	1131	Mr. Suresh Kumar Varma SRM IST Chennai, India
37	CP-38	1157	Mr. Jugal Prasad Das SRM Institute of Science and Technology, India
38	CP-39	1179	Large Area Patterning of Nanoplasmonic Structures using Periodically Alternating Data Written DVD as a Template Mr. Gurukaelaiarasu T M SRM Institute of Science and Technology, India

39	CP-40	1196	Mr.BINISH B SRM IST Chennai, India
40	CP-41	1264	Strain engineered 2D material based single photon emission towards UV region Mr.D S AKBAR BASHA VIT University, India
41	CP-42	1285	Plasmonic Refractive Index Sensor Based on Fano Resonances in MIM Waveguide Coupled With defective oval Resonator Dr.Ahlam HARHOUZ University of Mâ TM Sila ALGERIA
42	CP-43	1310	Silver coated ZnO nanowire on cellulose paper as Surface enhanced Raman spectroscopy substrate for detection of microplastics Mr.Lenin T V SRM Institute of Science and Technology, India
43	CP-44	1350	Induced Reflection in Topological Insulator Photonic Structure with TPP Mode Coupling.Ms.Meghna C HCentral University of Kerala, India
44	CP-45	1375	Two photon absorption induced optical limiting behaviour of V2O5: MoS2 composite Mr.DURAIRAJ M Bharathidasan University, India
45	CP-46	1388	Linear and Nonlinear Optical Studies of BR Sensitized CuNb2O6 Mr.M ABITH BHARATHIDASAN UNIVERSITY, India
46	CP-47	1439	Photoresponse study of InAs/GaAs submonolayer quantum dot photodetector under E-field Dr.Suman Mukherjee Saha Institute of Nuclear Physics, India
47	CP-48	1452	Ms.Ms.Sonali Mehra National Physical Laboratory, India

48	CP-49	1475	Optical nonlinearities of centrosymmetric calcium tungstate and CaWO ₄ /rGO nanocomposites Mr.Nagarajan c SRM IST, India
49	CP-50	1476	Fabrication of IP Dip polymer based two dimensional photonic crystal and its bandgap analysis Ms.Sweta Rani IITB Monash Research Academy, India
50	CP-51	1517	K ⁺ intercalated transparent SnS Nanosheets for effective Infra-Red Photodetector with External Quantum Efficiency (EQE) of 27% and its Light responsivity evaluation Dr.Vinoth E SRM Institute of Science and Technology, India
51	CP-52	1531	Realizing a near-zero power MEMS-based wireless IR photo switch with plasmonically enhanced metasurfaces Mr.Vishal Balasubramanian Rajalakshmi Engineering College, India
52	CP-53	1630	Noise self-cancellation twisted interferometer Dr.Pooja Munjal IISER Mohali, India
53	CP-54	1662	To study the effect of growth time on the size, stability and optical properties of as-synthesized colloidal Gold (Au) nanoparticles Ms.Jyoti Saroha CSIR National Physical Laboratory , India
54	CP-55	1690	Photoluminescence Studies in Ca ₂ PO ₄ Cl: Eu ²⁺ Blue Emitting Phosphor Prepared by Wet Chemical Method Dr.CHHAGAN D MUNGMODEM G COLLEGE ARMORI, India
55	CP-56	1755	Effect of Er ³⁺ on the nonlinear optical behavior of BaMoO ₄ nanostructures Dr.K Mani Rahulan SRMIST, India

56	CP-57	1779	General Expression for the Voigt function is of special interest for Applied Spectroscopic analysis of BLSF Ceramics Mr.MD.ABDUL BASHEER Osmania university, Hyderabad, India
57	CP-58	1811	Hydrazine based ferrocene derivative as optical and electrochemical sensor for copper (II) and iodide ion Mr.M. Sethupathi Alagappa university, India
58	CP-59	1845	Investigation of coherence under magnetic field tuneable scattering medium Mr.Pawan Kumar Prajapati SRM IST Chennai, India
59	CP-60	1875	SPR based optical sensor by using ZnO and PVP Mrs.PRATIKSHA MAURYALU, India
60	CP-61	1876	Thermal and Layer Thickness Dependence of Defect and Band Edge Transmissions in 1D PCs Based on Zns/CaF2 Multilayers Dr.Renilkumar Mudachathi SRMIST, India
61	CP-62	1881	Mr.SANI IBRAHIM SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
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72	CP-73	2363	Effect of low temperatures on Bi ³⁺ emission in YAG:Bi,Yb with Ag plasmonic structures Dr.Markiyan KushlykIvan Franko National University of Lviv, UKRAINE

73	CP-74	2372	Optical Nonlinearities on the Effect of hydrothermal growth temperature on Calcium Tungstate nanoparticles Dr.RAnnie Sujatha SRMIST, India
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75	CP-76	2407	MrsMrs.Amita BiswalSRM Institute of Science and Technology, India
76	CP-77	2416	Metal/Non-metal Functionalized Polymeric graphitic carbon nitride (g-C ₃ N ₄) for Visible light-based Photocatalytic H ₂ Production Ms.Annie Megha.D SRM UNIVERSITY, India
77	CP-78	2457	Synthesis, growth, morphological, spectroscopic, mechanical, and dielectric properties of UV nonlinear optical single crystal of [(NH ₄)(Cd(NCS) ₃)]·C ₁₂ H ₂₄ O ₆ Dr.V Ramesh SRM IST, India
78	CP-79	2474	Growth and characterization of linear and nonlinear optical crystal of Bis (15-crown-5-k5O) barium tetrakis (isothiocyanatokN) zinc(II) Dr. Ramesh V SRM, India
79	CP-80	2490	Spectroscopic, surface morphology, etching, laser damage threshold and microhardness studies on hybrid linear and nonlinear optical crystal of [(18C6)Li][Cd(SCN) ₃] Ms.Renuka K SRM, India
80	CP-81	2511	Growth and characterization of nonlinear optical single crystal of thiosemicarbazide cadmium chloride monohydrate (TSCCM) single crystals for nonlinear applications Ms.Karthika SRM, India

81	CP-82	2617	Bandwidth Enhancement Techniques of Microstrip Patch Antennas in Modern Communication S.Kannadhasan ¹ , R.Nagaraj Cheran College of Engineering, India
82	CP-83	2621	Simultaneous Enhancement of Light Harvesting and Charge Separation in α -Fe ₂ O ₃ Nanorod: A Collaborative Approach of MoS ₂ as 2D material and BiVO ₄ as Heterojunction Zohreh Masoumi ¹ University of Ulsan, Nam-gu, Republic of Korea
83	CP-84	2622	Constructing Hierarchical Inverse Opal Graphitic Carbon Nitride for Efficient Degradation of Organic Pollutants Maliheh Razavi Esfali University of Ulsan, Nam-gu Republic of Korea
84	CP-85	2632	Kento Tabata ¹ Shizuoka University Japan
85	CP-86	2635	Study on Photon-Number Statistics Observed by SOI MOSFET Detector with Real-Time Signal Processing Revathi Manivannan ¹ Shizuoka University Japan
86	CP-87	2646	SPECTROSCOPIC CHARACTERIZATION, MOLECULAR STRUCTURE, NBO ANALYSIS, DIELECTRIC STUDIES AND BIOLOGICAL ACTIVITIES OF 4-(3-AMINOPHENYL) BENZONITRILE. Beena ¹ SRMIST, India
87	CP-88	2649	Strategic Combination of Ultra Violet-Visible-Near Infrared Light Active Materials towards Maximum Utilization of Full Solar Spectrum for Photocatalytic Chromium Reduction Ajay Kumar IIT Mandi, India
88	CP-89	61	Heatmap Centrality of Nano-Silicate Structures Dr.Raman Sundareswaran Sri Sivasubramaniya Nadar College of Engineering, India

89	CP-90	65	Topological quantum phase transition from semi-metal to insulator in Weyl semi-metal SrSi ₂ Mr.Aditya ShendeVisvesvaraya National Institute Of Technology, India
90	CP-91	143	Numerical study on MHD free convective nanofluid flow past an inclined plate under variable surface temperature Dr.Selva rani MSRMIST, India
91	CP-92	164	First-Principles Investigation on Mechanical and Thermoelectric Properties of SnTexSe(1-x) (x=0, 0.125, 0.25, 0.375, 0.5,0.625,0.75,0.875,1) Alloys Mrs.M Muthumari Sathyabama institute of science and technology, India
92	CP-93	219	Mrs.K JANANISIVASANKAR SRMIST, India
93	CP-94	229	Double layer polarization insensitive rGO absorber for side lobe suppression of two-dimensional antenna array Ms.Surekha Rani SLIET Longowal, India
94	CP-95	244	Extensive Theoretical Study of Photon Attenuation Coefficients of Polypropylene-Metal Oxide Mixtures using Phy-X / PSD Software Ms.Chaitali More Dr. Babasaheb Ambedkar Marathwada University, Aura, India
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115	CP-116	538	Dr.Sambath P SRM IST Kattankulathur, India
116	CP-117	546	Comparative Optical results on SnTexSe(1-x) (x=0, 0.25, 0.5, 0.75, 1) compounds using GGA and TB-mBJ functionals Mrs.M Muthumari Sathyabama institute of science and technology, India
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130	CP-131	794	Halogen encapsulation in X ₁₂ Y ₁₂ (X= Ga, Y=N, P and As) nanoclusters for sodium ion batteries; a DFT study Ms.D PARIMALA DEVI KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES, India

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132	CP-133	816	Study of Exchange Bias in Co/CoO nanobilayer system Mr.JUNAID UL AHSAN NIT Srinagar J K, India
133	CP-134	828	Ab Initio Study of Structural, Electronic, Crossluminescence and Optical Properties of $K1-XCsXCuCl3$ ($X = 0, 0.25, 0.75, 1$) Mrs.PRADHEEPA K Sathyabama Institute of Science and Technology, India
134	CP-135	832	Ab Initio Study of Thermoelectric properties of $In_{3-x}Ag_xSn$ Mrs.K PRADHEEPA Sathyabama Institute of Science and Technology, India
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136	CP-137	857	First Principle Investigation Of Thermoelectric Performance of Topological Insulator BaPtS Ms.Anita Yadav, Indian Institute of Technology Ropar Punjab, India
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138	CP-139	865	Insight into the influence of Sulfide content on the structural properties of Cu_2ZnSnS_4 material: First Principles Study Dr.Abelkader SAIMLaboratoire d ^Â Electronique et d ^Â Electromagn ^Â tALGERIA
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147	CP-148	1149	Amine Functionalized Ionic Liquids Decorated Gold Surface for CO ₂ Capture and Activation: A First Principle Study Mr.KAMALAKANNAN SSRM IST, India
148	CP-149	1159	Mr.somesh sasmal SRM institute of science and technology, India

149	CP-150	1173	Structural, Spectroscopic (FT-IR, FT-Raman) investigations, NBO, HOMO-LUMO analysis using DFT; and Molecular docking analysis of bioactive Benzophenone N(4)-methyl-N(4)-phenylthiosemicarbazone. Ms.Varsha RaniChaudhary Charan Singh University Meerut, India
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169	CP-170	1527	NBO, Hirshfeld surface analysis, Vibrational spectra studies and insilico Molecular docking on the cathinone derivative antidepressant drug. Ms.AKANSHA TYAGI Chaudhary Charan Singh University Meerut, India
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219	CP-220	2384	Molecular spectroscopic investigation, quantum chemical and docking studies of 3-(4-Chlorophenyl)-1phenyl-5[4-(propane-2yl) phenyl]-4, 5-dihydro-1H-pyrazole Mr.C SIVAKUMAR Arignar Anna Govt Arts College Musiri Trichy 62121, India
220	CP-221	2412	First Principles Investigation of Thermoelectric Properties of $Mg_{2}C_{1-x}Tex$ ($X = 0.25, 0.5, 0.75$) Mrs.L.SHALINI Satyabama institute of science and technology, India
221	CP-222	2413	First Principles Investigation of Thermoelectric Properties of $Mg_{2}C_{1-x}Six$ ($X = 0.25, 0.5, 0.75$) Ms.DHIVYA BHARATHI .R Sathyabama institute of science and technology, India
222	CP-223	2418	First Principle Investigation of MPX ₃ compounds (M= Co, Ni, Zn, Fe and X= Se, S) Dr.TUSHARBHAI SRMIST, India
223	CP-224	2426	Securing Wearable devices using Block chain Technology Mrs.A Bhavani SRMIST, India
224	CP-225	2452	Molecular Dynamics Simulation studies of thermal properties of silver nanostructures Dr.S K Joshi UPES Dehradun, India
225	CP-226	2469	Electron Transport Properties of Armchair Phosphorene Nanoribbon Devices Dr.RM Hariharan SRMIST, India
226	CP-227	2470	Ab-initio calculation of Ternary transition-metal trichalcogenide NiPS ₃ : Supercell approach Dr.Tusharbhair H Rana SRMIST, India

227	CP-228	2479	Understanding the Origin of Ferroelectricity in A (Ba, Sr, Ca, Mg) ₃ (O ₃ C ₃ N ₃) Metal Organic Frameworks (MOFs) Mr.Asif Bhat SRM INstitute of Science and Technology, India
228	CP-229	2481	Understanding of structural, electronic and magnetic properties of CaCu ₃ Fe ₂ Re ₂ O ₁₂ quadruple perovskite oxide with and without oxygen vacancy from first-principles calculations Mr.Shaswat Kumar Mallick SRM IST KTR, India
229	CP-230	2482	Determination of coupling constant of a trilinear mode coupling in oxide superlattices Mr.Shree Hari B SRM IST KTR, India
230	CP-231	2483	First principle study of atomically thin metal chalcogenides Mr.Harsh Jain S R M INSTITUTE OF SCIENCE AND TECHNOLOGY, India
231	CP-232	2486	Structural, electronic and magnetic properties of Fe/Co co-doped Zn ₁₂ O ₁₂ Dimer with and without oxygen vacancy Ms.Reshma Rajeev L S R M INSTITUTE OF SCIENCE AND TECHNOLOGY, India
232	CP-233	2491	Retrieval of Optically Active Constituents using Hydro optic instruments with integrated Remote Sensing measurement for Wetland Environmental Monitoring Dr.R SIVAKUMAR SRMIST KATTANKULATHUR, India
233	CP-234	2492	SECOND VIRIAL COEFFICIENTS OF GOLD Mr.M.SIVAKUMAR ARIGNAR ANNA GOVERNMENT ARTS COLLEGE, India
234	CP-235	2495	Numerical simulations on the machining behaviour of Ti-6Al-4V with micro-textured tools Dr.Srihari Dodla SRM IST Kattankulathur, India

235	CP-236	2502	First-Principles Calculation on Structural, Electronic, Magnetic and Thermoelectric Properties of Mn ₂ NiSn Inverse Heusler Alloy Mr.R Sarathkumar Thiagarajar College of Engineering, India
236	CP-237	2505	Study of Enhanced Electronic properties of SrTiO ₃ using First Principles with DFT without U and DFT with U method Dr.Asha R Pai Amrita Vishwa Vidyapeetham, India
237	CP-239	2571	Alanine Functionalized Zigzag Graphene Nanoribbon for Gas Sensing Applications- A DFT Approach Mr.H BIJO JOSEPH SRM IST, India
238	CP-240	8	Thermomagnetic Properties of Dy _{1.9} Te _{0.1} O ₃ for magnetic hyperthermia and eco-friendly cooling systems Mr.E Meher Abhinav SRM IST, India
239	CP-241	9	Fabrication of rGO-MoS ₂ /Nd ₂ O ₃ Nanocomposite for Organic Dyes Degradation from Aqueous Environment Mrs.Neeraj Central University of Tamil Nadu, India
240	CP-242	13	A Dual “Turn-off/Turn-on” Photoluminescence Based Sensor for Rapid Detection of 2,4,6-Trinitrophenol/Hydrogen Peroxide by Copper Nanoclusters Dr.Chandra Shekhar Pati T Banaras Hindu University Varanasi, India
241	CP-243	29	Investigation of Metal Enhanced Fluorescence and Nonlinear Optical Properties of Biosynthesized Metal Nanoparticles Dr.Emusani Ramya MLR Institute of Technology, India
242	CP-244	32	DEFLUORIDATION AND HEAVY METALS ANALYSIS OF TANNERY WATER USING THE ROOT EXTRACT OF CHRYSOPOGAN ZIZANOIDES Prof.Arputharaj Ambrose st josephs college, India

243	CP-245	33	Highly effective transparent nanofiber air filter for window screen usage via electrospinning Mr.Agasthiyaraj L SRM Institute of Science and Technology, India
244	CP-246	85	Recent trends in Nano materials Applications in Environment Air Pollution Monitoring and Remediation Mrs.G T UMAMAHESWARI ARIGNAR ANNA GOVT ARTS COLLEGE ATTUR, India
245	CP-247	86	GREENSYNTHESIS OF SILVER NANOPARTICLES FROM Aspergillus Ms.P Kalaivani VISTAS, India
246	CP-248	94	Enhancing the Uptake of Thorium from Aqueous Environment by Morphologically Modified TiO ₂ Ms.S PRIYA Sri Sivasubramaniya Nadar College of Engineering, India
247	CP-249	95	Influence of basalt reinforcement in tribo mechanical properties of Poly(lactic acid) composites. Mr.ARUN N SRM Institute of Science and Technology, India
248	CP-250	106	Influence of mineral based nano dust particles from grinding of the automobile brake-pad on Physical and Thermal Properties of Polyimide/Basalt fiber composites Dr.Prakash M SRM Institute of Science and Technology, India
249	CP-251	119	Ms.POOJA P SARNGAN SRM IST, India
250	CP-252	124	Facile synthesis of Graphene oxide using acid-alkali pretreated rice husk extract for the enhanced adsorption of hexavalent chromium in aqueous solution Dr.Madhavi Vemula BVRIT Hyderabad College of Engineering for Women, India
251	CP-253	140	Green Synthesized NitrogenizedCarbon Quantum Dots for various Sensing Applications Mrs.Nithya S Central university of tamilnadu, India

252	CP-254	157	Green Synthesis of Zinc Oxide Nanoparticles and its Structural Study through X-ray Diffraction Mr.KANAILAL BARMANSRI RAMKRISHNA SARADA VIDYA MAHAPITHA, India
253	CP-255	168	Dr.Palanivel Velmurugan Alagappa University, India
254	CP-256	185	Hydrothermal synthesis of Pure TiO ₂ , Aqua Rosa and Protein powder modified TiO ₂ for biological applications Ms.P.Maheswari VISTAS, India
255	CP-257	198	Durable Superhydrophobic and Super Oleophilic LLDPE Coatings on Porous Substrates for Oil-Water Separation Ms.Arthi Karunanithi, Indian Institute of Technology Bombay, India
256	CP-258	208	Mr.Dharmveer Yadav, Indian Institute of Technology Bombay, India
257	CP-259	220	Influence of Synthesized Hybrid Nanoparticles in Bio-Cutting Fluid for Enhancing Bearing Steel Machining Performance Mr.Anup A Junankar Poornima University, India
258	CP-260	234	Enhanced Catalytic Performance of C ₃ N ₄ based Heterogeneous Hybrid Nanocomposite for Wastewater Treatment Application Mr.Senthilnathan S Central University of Tamilnadu, India
259	CP-261	264	CHITOSAN-GRAPHENE OXIDE BASED NANOMATERIALS FOR REMOVAL OF Cr(VI) FROM AQUEOUS SOLUTION Mr.PREM KUMAR V SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
260	CP-262	271	Scope and Application of Nanotechnology in Plant disease control and Pest management Ms.ASHA HUMBAL, cug, India

261	CP-263	272	An Eco-friendly Method for Synthesis of Cu ₂ O/rGO/PANI Composite Using Citrus Maxima Juice for Supercapacitor Application Dr.Bibhu Prasad Swain National Institute Of Technology MANIPUR, India
262	CP-264	284	Prof.Pandiyarasan VIIIITDM, India
263	CP-265	287	Interfacial engineering of silver-delfossite/graphene nanosheets: Insights into catalytic functionalities Mr.Yashas S RJSS Academy of Higher Education and Research, India
264	CP-266	295	PHOTOCATALYTIC DEGRADATION OF PLIPERIDONE DRUG USING NOVEL FERROMAGNETIC NANO PARTICLES Dr.Sheela A Sangam KLS Gogte Institute of Technology Belagavi Karnata, India
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266	CP-268	314	Synthesis, Characterization and Phosphate Adsorption studies of Nano Mesoporous Lanthanum oxide Dr.Marymol Moothedan Mar Athanasius College Kothamangalam, India
267	CP-269	316	STUDY OF MAGNETOCALORIC EFFECT ON NANOSIZED DYSPROSIA VIA Gd DOPING Mr.Meher Abhinav ESRM IST, India
268	CP-270	329	Green synthesis and characterisation of silver and cadmium nanoparticles employing fruit extract of Artemisia maritime Mrs.Hema Shripati Koli Abeda Inamdar Senior College Pune, India
269	CP-271	345	Annealing temperature mediated phase tunable synthesis for carbon nitride materials Mr.R Vijayarangan University of Madras, India

270	CP-272	349	Screening of antimicrobial and anti-larvicidal efficacy of <i>Luisia birchea</i> (Orchidaceae) mediated AgNPs Dr.Devarajan Natarajan Periyar University, India
271	CP-273	358	N-O doped sp ² chili-derived carbon and its nanohybrid with TiO ₂ towards visible light-sensitive photocatalytic activity Dr.P V Rajeswari, India
272	CP-274	371	Topical Antimicrobial Ointment and Gel Preparation from Biosynthesised Silver Nanoparticle Using <i>Tabernaemontana divaricate</i> stem extract Ms.SRUTHI S NAIR Womens christian college chennai, India
273	CP-275	378	Enhanced antiobesity efficacy of tryptophan using the nano formulation of <i>Dendropanax morbifera</i> extract mediated with ZnO nanoparticle Mr.JongChan AhnKyung Hee University, REPUBLIC OF KOREA
274	CP-276	394	Converting Biowaste into Energy with Thermal Process for Lithium-ion Batteries Mr.Chang Won HoKyung Hee University, REPUBLIC OF KOREA
275	CP-277	403	Synthesis and characterization of magnetite carbon nanocomposite from an agro wastes for heavy metal remediation Mr.MOHAMED KHALITH S B SRM IST, India
276	CP-278	459	Photocatalytic Effect of CTAB controlled TiO ₂ nanostructures on the degradation of Methylene Blue under illumination of visible light Mr.KAZI HASIBUR RAHMAN IITISM DHANBAD, India
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278	CP-280	463	Porous activated carbon obtained from palm spathe for the removal cadmium (Cd ²⁺) ions from aqueous solution Mr.K GURUSAMY RANI ANNA GOVERNMENT COLLEGE FOR WOMEN, India
279	CP-281	465	Preparation and characterization of micro porous carbon derived from biomass for wastewater treatment applications Mr.D JEEVARATHINAM RANI ANNA GOVERNMENT COLLEGE FOR WOMEN, India
280	CP-282	476	DNA attached Magnetic Nanoparticles for Negative Differential Resistance Effect Ms.Arпита Das Calcutta University, India
281	CP-283	490	Green synthesis of dual functionalised polymer iron oxide silver nanocomposites variants and their applications Mr.Sujin Jeba Kumar TCSIR NIIST, India
282	CP-284	520	UNDERSTANDING AND APPLICATION OF RECYCLING POTENTIAL OF TANNERY SLUDGE WITH AN ACTIVE SILICA IN THE PRODUCTION OF GEOPOLYMER BRICK DERIVED FROM FLY ASH GGBS Ms.MARIYAMMAL N SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
283	CP-285	536	Facile Preparation of CuCo ₂ O ₄ @MnO ₂ at Low Temperature: Efficient Visible-light Photocatalyst Mr.Kausik Chanda Department of Physics Jadavpur University, India
284	CP-286	540	CATALYTIC PROPERTIES OF BIOGENIC GOLD NANOPARTICLES SYNTHESIZED USING SYZIGIUM CUMINI (JAMUN) FRUIT PULP Ms.Ami Ansul Shah Queen Marys College, India
285	CP-287	553	Bio synthesis of Copper oxide nanoparticle from Clerodendrum phlomis and their decoration with Graphene oxide for supercapacitor application Mr.Siranjeevi Ravichandra SRMIST, India

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287	CP-289	564	Biosynthesis and Antibacterial Studies of Silver Nanoparticles Using Vitex negundo Dr.G KANTHIMATHI Ramco Institute of Technology Rajapalayam, India
288	CP-291	583	Effect of conjugation in D-A-D architecture of 2-Thiohydantoin for Volatile Organic Compounds (VOCs) detection Ms.GAWAS PRATIKSHA PRAKAS SRM Institute of science and technology, India
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291	CP-294	632	Mr.Elango Balaji SRM Institute of Science and Technology, India
292	CP-295	636	Characterization and anticancer activity of biosynthesized silver nanoparticles using the aqueous extract of Abrus precatorius seeds Mrs.C Karthika University of Madras, India
293	CP-296	649	Effect of concentration variation of capping agent (DEA) on the Photocatalytic behaviour of ZnO Nanostructures Synthesized by Hydrothermal and Sol-Gel Methods Ms.Keya Sahu IIT Dhanbad, India

294	CP-297	658	EFFECT OF VARIOUS SYNTHESIS PARAMETERS ON THE STABILITY OF SIZE CONTROLLED GREEN SYNTHESIS OF SILVER NANOPARTICLES Ms.Ramanjeet Kaur Panjab University Chandigarh, India
295	CP-298	663	Effect of tungsten oxide nanostructure crystalline phase on the adsorption of methylene blue dye Mr.Naresh Kumar Panjab University Chandigarh, India
296	CP-299	666	A sol-gel transition Tris-Acetate-Phosphate-Pluronic (TAPP) medium for high throughput cultivation of microalgal biomass in a sequential batch polybag reactor Mr.Anto Nirmal L SRM Institute of Science and Technology, India
297	CP-300	681	Composites of Metal Doped Metal Organic Framework for Electrochemical Reduction of CO ₂ to Fuel Ms.SURYA BABU S SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
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299	CP-302	710	Nanotechnology a Perspective for COVID-19 Pandemic: New Approach Ms.Pallavi Kisan Pantawan Dr Ambedkar College Nagpur, India
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301	CP-304	727	Cerium oxide nanofibres by electrospinning technique for photocatalytic degradation under visible light irradiation Dr.Arun Karthick Selvam Sri Sivasubramaniya Nadar College of Engineering, India

302	CP-305	730	Highly Efficient ZnO Nanostructures for Enhanced Photocatalytic Degradation of Organic Contaminants under Simulated Solar Light: An efficient Industrial Approach Dr.Jagriti GuptaBhabha Atomic Research Centre Mumbai, India
303	CP-306	731	Mechanistic Insight of Ibuprofen Degradation by Hydrodynamic Cavitation Assisted Heterogeneous Fenton/Persulfate System Mr.Kuldeep Roy, Indian Institute of Technology Guwahati, India
304	CP-307	741	Dr.puneet kumar singh Kiit School of Biotechnology KIIT University, India
305	CP-308	743	Amberlite resin catalysed Biginelli reaction Mrs.surya girish UNOM, India
306	CP-309	747	Probe Decorated Structurally Tailor-Made Porous Monolithic Templates as Solid-State Colorimetric Sensor and Preconcentrator for Ultra-Trace Copper Ions Mr.PRABHAKARAN SVIT vellore, India
307	CP-310	764	Ms.Sudeepa DeviD msrde Drdo Kanpur, India
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310	CP-313	802	Dye Degradation, Antimicrobial Activity and Electrochemical Studies of Green Route Synthesized Silver/Copper Oxide Composite Nanoparticles using Calotropis Gigantea leaves. Mr.ANKE RAJASEKHAR BABUJ N T U ANANTAPUR, India

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316	CP-319	877	Synthesis, characterization of Cu/g-C ₃ N ₄ nanocomposite and their Photocatalytic performance under visible light irradiation Ms.SELVAM A Sadakathullah Appa College, India
317	CP-320	878	Green synthesis of silver nanoparticles using Galphimia gracilis and their catalytic activity on degrading organic dyes Ms.SHEETAL VERMA SRM arts and science College, India
318	CP-321	899	PL quenching in ZnS nanoparticles synthesized using sodium sulfide Dr.Lalitha Devi B Bhandarkars Arts and Science College Kundapura, India
319	CP-322	904	Synthesis of NiO-GO nanocomposites adopting a Green approach and its photocatlytic and biological Activities Ms.Kavitha Ganesan SRMIST, India

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323	CP-326	949	Effects of Electrolytes on Carbon Dioxide Reduction Mr.Vidit Mathur SRM IST, India
324	CP-327	953	METAL SUPPORTED TITANIUM NANOTUBES FOR ELECTROCHEMICAL REDUCTION OF CO ₂ TO HYDROCARBONS Ms.AS ABINAYA SRM UNIVERSITY, India
325	CP-328	957	Mrs.REVATHI R Dr NGP Arts and Science College, India
326	CP-329	969	Physicochemical characterization of nanocellulose extracted from stems and leaves of Saccharum spontaneum (Kans grass) Ms.Ishita Chakraborty Manipal School of Life Science, India
327	CP-330	976	Effects of Electrolytes on Carbon di Oxide Reduction Mr.M Riyashath Mohammed B S R M Institute of science and technology, India
328	CP-331	985	Facile hydrothermal synthesis of Cerium doped layered MoS ₂ nanostructures as an efficient visible light photocatalyst Dr.M SABARINATHAN SRM Institute of Science and Technology, India
329	CP-332	989	The Influence of polymer matrix in the torsional behavior in GFRP composite using AE analysis Mr.ABBURI LAKSHMAN KUMAR SRMIST, India

330	CP-333	1004	Fabrication of g-C ₃ N ₄ /Fe ₂ O ₃ /V ₂ O ₅ Nanocomposites for Photocatalytic Organic Pollutant degradation under UV-visible light irradiation Mr.Tamilmani Periyar University, India
331	CP-334	1023	Green synthesis of carbon quantum dots from bamboo saw dust by using microwave irradiation method Ms.Shweta Kumbhar IIT Guwahati, India
332	CP-335	1038	Au decorated two dimensional graphitic carbon nitride (2D g-C ₃ N ₄) for photocatalytic H ₂ production and Cr(VI) reduction Mr.Naveen Kumar T.R SRM IST, India
333	CP-336	1082	Mrs.Abinaya SRM IST, India
334	CP-337	1085	Ms.Dona Joseph SRMIST, India
335	CP-338	1102	A Green path to extract the carbon quantum dots by Cocos nucifera (coconut) water: Another fluorescent probe towards Fe ³⁺ ions Mrs.PREETHI M BHARATHIAR UNIVERSITY, India
336	CP-339	1104	Rapid Colorimetric Detection of Copper Ions in Aqueous Medium Using Polyethylenimine- Functionalized Silver Nanoparticles Mr.Marco Laurence M. Budl Materials Science and Polymer Chemistry Laboratory PHILIPPINES
337	CP-340	1133	Synthesis and evaluation of benzohydrazide derivative as a corrosion protector for magnesium alloy in 3%NaCl Dr.RAJA K St Joseph University, India
338	CP-341	1141	Assessment of Photocatalytic Efficiency of Graphene oxide-TiO ₂ Nanocomposite for Removal of Binary Mixtures of Organophosphorus Pesticides Prof.Suparna Mukherji, Indian Institute of Technology Bombay, Mumbai, Ind, India

339	CP-342	1144	Removal of Cd (II) from Electroplating water using Freshly Prepared Cotton Seed Cake Carbon Mrs.Dr S MALATHI ERODE SENGUNTHAR ENGINEERING COLLEGE, India
340	CP-343	1145	Green synthesis of Cu doped TiO ₂ nanoparticle using Plectranthusamboinicus leaf extract and its application in photocatalytic dye Mrs.P MAHESWARI ERODE SENGUNTHAR ENGINEERING COLLEGE, India
341	CP-344	1172	Surface Plasmon Resonance (SPR) based biosensor using MXene as a BRE layer and Magnesium Oxide (MgO) as an Adhesion layer Mr.AKASH SRIVASTAVA MNNIT Allahabad Prayagraj, India
342	CP-345	1193	Ionic Liquids Assist Synthesized Ag/AgX(X=Cl, Br Mr.Lakshmanamoorthy K National Institute of Technology Tiruchirappalli, India
343	CP-346	1200	Investigation of photocatalytic activity of TiO ₂ nanoparticles synthesized by Sol-gel technique Mr.GAURAV KRUSHNA SUKHADEV NIT Nagpur, India
344	CP-347	1218	Chemical and microbial corrosion properties of ternary inhibitor system Dr.KASILINGAM T Theivanai Ammal College for Women, India
345	CP-348	1223	Bio-mediated synthesis of Chitosan @ ZnO Nanocomposites Using Vitis vinification seed Extract for Plant Growth and Dye degradation under us light Mrs.M MUTHU KATHIJA Sadakathullah Apparently College, India
346	CP-349	1230	Multifunctionality of solvothermally synthesized zinc sulfide nanoparticles Mrs.Shrabani Ghosh Jadavpur Univeristy, India

347	CP-350	1236	<p>μ-Raman Spectroscopy of Radioactive Sediments Combined Dimensionality Reduction Using Covariance Matrix Method for Development of Nuclear Forensic Signature</p> <p>Mr.Deepankara V Shastri SRM Institute of Science And Technology, India</p>
348	CP-351	1267	<p>Role of nano-technology in the present era for the water and wastewater treatment</p> <p>Dr.Somashekhar R Ghanti Gulbargu University Kalaburagi, India</p>
349	CP-352	1288	<p>GREEN SYNTHESIS OF SILVER NANO PARTICLES USING FICUS REGIOSA LINN LEAF EXTRACT</p> <p>Dr.Navya Antony Morning Star Home Science College Angamaly, India</p>
350	CP-353	1297	<p>Sustainable nanoparticles functionalized with luminescent Schiff bases: Synthesis, characterization and environmental studies</p> <p>Ms.SRUTHILAYA S Faculty of Science and humanities SRMIST, India</p>
351	CP-354	1311	<p>Development of Zr Based Metal-Organic Framework Nanomaterials Coated on Polymer Membrane for Water Treatment</p> <p>Ms.Akshara Chithran SRM Institute of Science and Technology, India</p>
352	CP-355	1317	<p>Enhanced fluorescence from bacterial photopigments interacting with modified TiO₂ nanohybrids</p> <p>Mr.Anirban Bose University of Calcutta, India</p>
353	CP-356	1322	<p>Design and analysis of low cost stir casting machine using CATIA</p> <p>Mr.ASHUTOSH TARUNBIRLA INSTITUTE OF TECHNOLOGY MESRA, India</p>
354	CP-357	1325	<p>Mr.Mohamed Jibri K P SRM IST KTR, India</p>
355	CP-358	1331	<p>Estimating the carbon footprint of Transportation sector for an Educational Institution</p> <p>Mrs.Krithiga P Kongu Engineering College, India</p>

356	CP-359	1334	Ms.J RAVEENA SRM IST, India
357	CP-360	1345	Fluorescent Chemosensor for Various Metal Ions Mr.ESWAR PAGADALA Vignana TM s Foundation for Science, Technology and , India
358	CP-361	1349	Biorenewableandbiodegradable non-isocyanate polyurethanes from plant oil: Synthesis and physicochemical properties Mrs.Yasmin Sulthana R SRM institute of science and technology, India
359	CP-362	1352	Construction of a sun/visible-light-driven T-C3N4/Sb2S3/ α -Ag2WO4 photocatalyst for effective removal of TC antibiotic: Mechanisms and degradation pathway Mr.CHINNADURAI AYAPPAN SRM IST, India
360	CP-363	1373	Mr.RAMKUMAR KB SRMIST, India
361	CP-364	1383	Effect of Donor group and morphology tuned chemosensing behaviour of fluoranthenes for explosive nitroaromatics Dr.Venkatramaiah Nutalapa SRMIST, India
362	CP-365	1387	Hematite Nanostructures Developed by Hydrothermal Method for Energy and Environment applications Mr.NIBIN K MATHEW UNIVERSITY OF MADRAS, India
363	CP-366	1399	Dual functional MoS2 coated kapok fiber for efficient oil–water separation and water-soluble contaminant removal Ms.Preeyanghaa Mani SRMIST, India
364	CP-367	1406	Spectral Constituents of the Rock Minerals from the Eastern Ghats of Tamilnadu Mr.S Joshua Samuel Furistic Material Research centre SRM UNIVERSITY, India

365	CP-368	1429	Photocatalytic activity of Copper doped BiVO ₄ prepared using the domestic microwave assisted Chemical precipitation method under acidic condition. Ms.REHABOTH NISSI J Karunya Institute of technology and sciences Coimb, India
366	CP-369	1465	Mrs.Raja Preethi V Anna University, India
367	CP-370	1472	Development of eco-friendly poly (benzoxazine-co-maleimide) materials for intrinsic self-healing applications Ms.Salendra Sriharshitha Vignana TM s Foundation for Science, Technology and , India
368	CP-371	1482	Zinc ferrite-Titania heterostructures for treatment of aqueous organic pollutants by solar light activated Hybrid Advanced Oxidation Process (HAOP) Mr.Sangeeth John Anna University, India
369	CP-372	1487	Targeted removal of emerging contaminates using surface engineered activated carbon Mr.CHANDI PATRA, Indian INSTITUTE OF TECHNOLOGY GUWAHATI, India
370	CP-373	1490	Development of Fe ₃ O ₄ /AC nanocomposite for the effective removal of Contaminants of emerging concerns from water : An ecotoxicological assessment Mr.VISHNU PRIYAN V, Indian INSTITUTE OF TECHNOLOGY, India
371	CP-374	1494	Synthesis of magnetic nanocellulose composite to treat rare earth element from wastewater and its phytotoxicity studies Ms.TASRIN SHAHNAZ, Indian INSTITUTE OF TECHNOLOGY, India
372	CP-375	1515	Design and development of eco-friendly bio-carbonfilled polybenzoxazine bio-composites from agro-waste: bio-carbon derived from Vignaradiatastraw Mr.T Gangadhar Vignana TM s Foundation for Science, Technology and , India

373	CP-376	1525	Application of Gymnema Sylvestre leaves extract for Iron Nanoparticles Synthesis and Antibacterial Activity Evaluation Ms.SheetalDeenbandhu Chhotu Ram University of Sc Tech, India
374	CP-377	1526	Adsorption of Complex Dye Mixtures from Wastewater over on-demand Binary Blend of Nano Clays: A Case Study Ms.Khushali Patel Pandit Deendayal Petroleum University, India
375	CP-378	1542	Detection and Quantification of Plastic particles in the River Sand Using Computer Vision and Machine learning Mr.MOHAMED ELIYAS M RANJALAI AMMAL MAHALINGAM ENGINEERING COLLEGE, India
376	CP-379	1557	Photocatalysis of Methyl orange dye by ZnO nanowires Dr.S Soundeswaran Dr. Ambedkar Institute of Technology, India
377	CP-380	1565	Enhanced melanoidin removal by surface modified Phyllanthus emblica leaf powder as a potential low-cost bio-adsorbent Mr.RAHUL VERMA IIT Guwahati, India
378	CP-381	1571	Protonated Graphitic Carbon Nitride for degradation of Organic Dyes under Solar Irradiation Mr.Sabarish K Bharathiar University, India
379	CP-382	1582	Usefulness of Nanomaterials from Plant Extract and Iron as Fluoride Remover Ms.Jinat Aktar IIT Guwahati, India
380	CP-383	1586	Biogenic Silica Nanoparticles from Plant Biomass for Application as Cationic Dye Removal from Wastewater Ms.DEEPA SACHAN IIT GUWAHATI, India
381	CP-384	1596	Recent Advances of Nanotechnology in Biomedical Field Ms.Samvidha Das, Indian Institute of Technology Guwahati, India

382	CP-385	1605	Green Synthesis of Metal oxide Nanoparticles and their Environmental Applications: A review Ms.Arпита Behera KIIT Deemed to be University, India
383	CP-386	1607	Synthesis of Mn ₂ O ₃ - Graphene Nanocomposites for their Enhanced Photocatalytic Performance under Visible Light Irradiation Ms.KALAISELVI C VELLORE INSTITUTE OF TECHNOLOGY, India
384	CP-387	1619	Microwave-Assisted Green Synthesis of Zinc Oxide Nanostructures: Evaluation of Antimicrobial and Antioxidant Activity Ms.Arпита Dey Pondicherry University, India
385	CP-388	1626	Synthesis, Optical Responses and Photochemical Behavior of Zinc Indium Sulfide Microspheres. Mr.MOHAMMAD IMRAN JAMIA MILLIA ISLAMIA, India
386	CP-389	1628	Automated Control of Green-House Management System Mr.Vignesh Roshan M Bannari Amman Institute of Technology, India
387	CP-390	1637	UTILIZATION OF NETRALIZATION TANK WASTE PRODUCT AS A DECORATIVE MATERIAL Mr.ROHIT J Vellore Institute of Technology Vellore, India
388	CP-391	1641	Reduced Siloxene with superior catalytic properties Mr.Nav Deepak IIT Bombay, India
389	CP-392	1647	Photoinduced Interaction Between Citric Acid Functionalized Colloidal CdS and Ixora Coccinea dye Mr.Bishal Kumar Nahak National Institute of science and technology, Berh, India
390	CP-393	1670	Hydrophobic surface induced biosorption and microbial remediation of oil-contaminated sites Ms.Swati Sharma, Indian Institute of Technology, Guwahati, Assam, I, India

391	CP-394	1671	Green Synthesis, Characterization and Optical properties of Titanium dioxide Nanoparticles Mrs.SAMAH ALHORANIMRIIRS, India
392	CP-395	1675	Synthesis and characterization studies of polypyrrole/iron tungstate nanocomposites for interfacial water evaporation Mr.Robert Bellarmin vperiyar university, India
393	CP-396	1689	Temporal characteristics of tropical tropopause over Chennai Ms.Pooja Purushotham SRM Institute of Science and Technology, India
394	CP-397	1699	Experimental Investigation of Thermoelectric power generation using D-Mannitol Phase change material for thermal storage Mrs.JAMESRM, India
395	CP-398	1714	AN ELECTROCHEMICAL APPROACH AND SURFACE ANALYSIS STUDIES ON CARBON MILD STEEL BY NANOBASED GREEN INHIBITION IN 1M OIL OF VITRIOL SOLUTION Dr.B GOWRI SHANNKAR INMSS Vellaichamy Nadar College Madurai, India
396	CP-399	1717	NiAl Layered double hydroxides/gC3N4 nanocomposite for Methylene blue degradation with enhanced photocatalytic properties Mrs.MEGALA S PERIYAR UNIVERSITY, India
397	CP-400	1720	Enhanced photocatalytic activity of Z-scheme NiAl Layered double hydroxides/CuWO4 nanocomposite for methylene blue dye degradation Mrs.MEGALA S PERIYAR UNIVERSITY, India
398	CP-401	1723	GREEN SYNTHESIZED NANO PARTICLES MEDIATED FROM IXORA BRACHIATA ROXB AND ITS ANTIOXIDANT, ANTIGLYCEMIC AND LARVICIDAL EFFECTS – IN-VITRO Mr.v.sivasakthi Department of botany, India

399	CP-402	1730	Mesoporous KIT-5 loaded with magnetic nanoparticles for the degradation of organic dye Mr.Peter Daniel Nixon KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES, India
400	CP-403	1743	Adept fabrication of smart recyclable and reusable hydrophobic 2D nanoflakes based sponge for quick and efficient oil recovery Ms.Meenakshi Talukdar Tezpur University, India
401	CP-404	1748	Synergistic effect of Sn doped TiO ₂ nanostructures for enhanced photocatalytic activity Mrs.KSanthiSRMIST, India
402	CP-405	1749	Enhanced photocatalytic performance of Zn-doped TiO ₂ nanoparticles for environmental remediation Mrs.KSanthi SRMIST, India
403	CP-406	1831	Prickly pear extracted natural dye sensitized solar cells using spherical shaped TiO ₂ nanoparticles Mrs.Radhika R Gobi Arts and Science College, India
404	CP-407	1855	Optimization of fluoride removal by Al doped ZnO nanoparticles using response surface methodology from groundwater Ms.PARWATHI G PILLAI Pandit Deendayal petroleum University, India
405	CP-408	1873	Physiochemical Kinematic Study on Mammals and Crop milk by Ultrasonic Technique Mr.Gurushankar Krishnamoo Kalasalingam University, India
406	CP-409	1877	Removal of Micro-plastics (MPs) from Water Using Super-Hydrophobic Magnetic Nanoparticles Ms.Yamini P Sri Sivasubramaniya Nadar College of Engineering, India
407	CP-411	1909	EFFECT OF GRAPHENE OXIDE ON FRESH , HARDENED AND MECHANICAL PROPERTIES OF CEMENT MORTAR Ms.Keerthipati sreeja AITSRajampet, India

408	CP-412	1912	Mr.K V Maruthish Siddharth Institute of Engineering and Technology, India
409	CP-413	1944	Mr.Prakhar Bhargava KTH Royal Institute of Technology, India
410	CP-414	1977	Experimental and Analytical Study on Flexural Behavior of Reinforced Concrete Beams Using Carbon Nano Tubes Mrs.Rashmi R Sathyabama Institute of Science and Technology, India
411	CP-415	1979	Dendrimer nanostructure: A novel approach for water pollution Ms.ARCHANA ZALA National Forensic Sciences University, India
412	CP-416	2000	Studies on surface engineered magnetic nanocomposites integrated with biochar in the treatment of heavy metals and the production of value-added products from the spent adsorbent Dr. D Balaji Sri Sivasubramaniya Nadar College of Engineering, India
413	CP-417	2023	Enhancement of the Electro-catalytic activity of the Flavin adenine dinucleotide using MXene for the electrocatalytic reduction of hydrogen peroxide in waste water Ms.Ramila Devi SRM IST, India
414	CP-418	2028	A Switched Capacitor-Based Seven Level Boost Active-Neutral- Point-Clamped (ANPC) Inverter with Compact Switching Devices Mr.SIVASUBRAMANIAN M SRMIST, India
415	CP-419	2043	Synthesis of Ordered Monolithic Mesostructures of SiO ₂ , Al ₂ O ₃ and Al ₂ O ₃ -SiO ₂ Materials through Soft Template Microemulsion Assisted Sol-gel Method Ms.ANJU P VVIT UniversityVellore, India

416	CP-420	2047	Synthesis and Characterization of MgO Nanoparticles via green method for dye degradation of Victoria blue under UV irradiation Mr.S Ashok kumar The American College, India
417	CP-421	2067	CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF GREEN SYNTHESIZED SELENIUM NANOPARTICLES FROM ALOE VERA EXTRACT Ms.Pranjali Sanjay Barmas Ramaji Pandav Institute Nandanvan Nagpur, India
418	CP-422	2074	Hydrous manganese dioxide nanoparticles incorporated polyethersulfone electrospun nanofibrous membranes for effective oil separation Dr.Issa Sulaiman Al Husai Sultan Qaboos University OMAN
419	CP-423	2086	Covalent Polyhedral Oligomeric Silsesquioxane-Polyoxometalate Inorganic–Organic-Inorganic Hybrid Material for Photocatalytic Water Splitting Using Visible Light Mr.PRABU R SRMIST, India
420	CP-424	2096	Parameter affecting the photocatalytic degradation of flowerlike rutile-phase TiO ₂ film grown via hydrothermal method towards methylene blue degradation Mrs.Noor Kamalia Abd Hame UTHM, MALAYSIA
421	CP-425	2098	Marine actinobacterial diversity around the Nuclear Power Plant sites, , India and their Nanofibrous EPS matrix used for Uranium remediation Dr.K Kamala Saveetha Dental College and Hospitals, India
422	CP-426	2115	DNA Nanotechnology Prof.Pooja Moreshwar Kadu Kamla Nehru Mahavidyalaya, India
423	CP-427	2137	Photocatalytic activity of Au and Cu nanoparticles for the degradation of organic dyes Ms.Shilpa M P Manipal Institute of Technology, India

424	CP-428	2140	Influence of dissolved oxygen on the synthesis of Ag-Au mono and bimetallic nanostructure using Cudrania tricuspidata leaf extract and its broad spectrum antibacterial applications Dr.Palanivel Velmurugan Alagappa University, India
425	CP-429	2141	Biosorption of malachite green dye by chemically modified Aspergillus tamarii: kinetics, thermodynamic and equilibrium studies Mr.Nagarajan Arumugam SSN College of Engineering, India
426	CP-430	2147	Stimuli Responsive tunable wettability surfaces with self cleaning property Ms.Madhu Bala National Institute Of Technology Jalandhar, India
427	CP-431	2186	Amino acid functionalised Graphene: An effective candidate for waste water purification Ms.Liz George NEWMAN COLLEGE THODUPUZHA, India
428	CP-432	2187	Experimental Investigation on Novel Nano desiccants for Desiccant Wheel Humidity control Mr.HARISH KUMAR UANNA UNIVERSITY ACT CAMPUS, India
429	CP-433	2189	Reveiw on types of nanoparticles and various processes involve in the synthesis of green nanoparticles Prof.Palash Manoj Thakre Kamla Nehru Mahavidyalaya, India
430	CP-434	2200	Silver nanoparticle decorated on graphene@polymeric fibre composite for environmental water remediation Ms.J Josfel Flora Anna University, India
431	CP-435	2204	Recoverable and reusable visible-light photocatalytic performance of CVD grown atomically thin MoS ₂ films Mr.ABHISHEK SINGH SINDHU SRM IST, India
432	CP-436	2209	Active edge-site induced enhancement in visible-light photocatalytic activity of atomically thin MoS ₂ films Mr.ABHISHEK SINGH SINDHU SRM IST, India

433	CP-437	2217	Effectiveness of Bermuda grass leaf extract as corrosion inhibitor for mild steel in 1 N HCl medium investigated by adsorption and electrochemical studies Mr.Muthuraj M srmist, India
434	CP-438	2218	LIPASE CATALYSED SYNTHESIS OF TETRAHYDROPYRIMIDONE COMPOUNDS - A POTENT CARDIOVASCULAR DRUG PHARMACOPHORE Dr.D. PRIYA MATHARASI St Josephs institute of technology, India
435	CP-439	2224	GREEN SYNTHESIS OF COPPER NANOPARTICLE FROM Artemisia nilagirica Linn.f. AND THEIR BIOMEDICAL APPLICATIONS Mr.SIDDHARTHAN N Periyar University, India
436	CP-440	2225	BIOSYNTHESIS OF SILICON DIOXIDE NANOPARTICLE USING ACTINOBACTERIA FROM MAGNESITE MINE SOIL AND ITS POTENTIAL IN ANTIMICROBIAL ACTIVITY Dr.Sangeetha M Periyar University, India
437	CP-441	2229	A NOVEL ONE POT MULTI COMPONENT SYNTHESIS OF PYRIMIDINONES VIA BIGINELLI REACTION USING GREENER CERIUM OXIDE NANO CATALYST Ms.Archana M srmist, India
438	CP-442	2233	A STUDY ON THE LUMINESCENCE AND VISIBLE LIGHT PHOTOCATALYTIC DEGRADATION OF Cu ₂ ZnSnS ₄ NANOPARTICLES Mrs.V Mahalakshmi Gobi Arts and Science College, India
439	CP-443	2237	Eco-friendly synthesis of reduced graphene oxide from Aloe vera (L.) Burm.f. extract for energy storage application Mr.R JUSTINABRAHAM KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES, India

440	CP-444	2238	Understanding the structure, stability and Electronic properties of Flavanol derivatives via Molecular docking, Molecular Dynamics and QM/MM based Charge density analysis Dr.K. Saravanan Periyar University, Salem, India
441	CP-445	2243	“Nano alumina obtained from facile low-cost scalable precipitation method as an efficient adsorbent for heavy toxic elements Pb and Cr” Mrs.Priyanka Arya Verma CSIR AMPRI Bhopal, India
442	CP-446	2246	Antileishmanial activity of green synthesized Ag NPs using the aqueous leaves extract of Ricinus communis against promastigote and amastigote of Leishmania donovani Dr.A ABDUZ ZAHIRC ABDUL HAKEEM COLLEGE AUTONOMOUS, India
443	CP-447	2255	Green Synthesis, Characterization and Evaluation of Antibacterial Activity of hematite/nanocellulose Composite Ms.JUMNA YOONUS KSMD College Sasthamcotta, India
444	CP-448	2259	Functional properties of layered MoS ₂ /TiO ₂ nanocomposite for high efficient photocatalytic application Mrs.ksanthi SRMIST, India
445	CP-449	2285	Study on Effect of Molarity of Hybrid Alkaline Activator on Compressive Strength of Fly Ash based Geopolymeric Concrete Dr.Manish Mudgal CSIR AMPRI Bhopal, India
446	CP-450	2286	Unraveling the plant-associated rhizobacteria and their role in plant growth and metabolism Mr.Basharat Ahmad Bhat University of Kashmir, India
447	CP-451	2310	Study on Effect of Molarity of Hybrid Alkaline Activator on Compressive Strength of Fly Ash based Geopolymeric Concrete Mr.Ankur Acharya CSIR AMPRI Bhopal, India

448	CP-452	2323	Recent advances in the 3D graphene-based Electrochemical Biosensors Ms.Gyanaprabha nayak SOA university, India
449	CP-453	2338	Enhanced photocatalytic performance of hausmannite Mn ₃ O ₄ /rGO nanocomposite towards methylene blue degradation Mr.M JARVIN The American College, India
450	CP-454	2342	Disparate result of Adsorptive removal of Fluoride using Manganese oxide-coated Nano gamma Alumina oxide used with a different ratio. Ms.Diksha Choudhary CSIR AMPRI Bhopal , India
451	CP-455	2344	Synthesis of Bismuth-Silver- Carbon Nano-composites by using carbon quantum dots from green sources as reducing agent for photo catalytic degradation of dye solutions. Mr.Klewos Synshiang Pondicherry University, India
452	CP-456	2351	Fruit Mediated of ZnO Nanoparticles for Drug Resistant Activity Mr.Prakash N Sri Ramakrishna Engineering college, India
453	CP-457	2354	Isolation and characterization of cellulose nanocrystals from arecanut fibers Dr.Reshma B Nambiar SRM Institute of Science and Technology, India
454	CP-458	2359	Characterization studies of bio-synthesized CuO nanoparticles Ms.Beena S Government Engineering College BartonHill, India
455	CP-459	2367	A Green approach for the synthesis of diesel over solid acid catalyst from plastic waste Ms.SENTHUR SELVI S MANONMANIAM SUNDARANAR UNIVERSITY, India
456	CP-460	2382	A Single Structure directing agent produce two types of crystalline nanoporous materials Mrs.KRISHNAVENI M Manomaniam Sundaranar University, India

457	CP-461	2389	Green synthesis of silver Nano particles and incorporating with drug releasing polymer to make it antimicrobial for the proliferation of chondrocytes. Mr.Nilkantha Gupta SRMIST, India
458	CP-462	2391	A SUSTAINABLE APPROACH FOR THE BIOSEQUESTRATION AND BIOCATALYTIC DEGRADATION OF RECALCITRANTS IN MUNICIPAL LANDFILL LEACHATE Mr.Maseed Uddin SRMIST, India
459	CP-463	2401	Tribological Behaviour of Polycarbonate Urethane against SS316L Mr.DANIEL GLAD STEPHEN SRMIST, India
460	CP-464	2424	GREEN SYNTHESIS OF CERIUM NANOPARTICLES USING HIBISCUS ROSASINENSIS AND ABUTILON INDICUM EXTRACT AND EVALUATION OF THEIR ANTIMICROBIAL ACTIVITY AND PHOTOCATALYTIC ACTIVITY Mrs.Pinky steffi Alexande Sri Ramakrishna Engineering College, India
461	CP-465	2430	Development of biomolecules conjugated carrier material for the treatment of petroleum refinery industry wastes Ms.SWATHI KV SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
462	CP-466	2436	Water-Etched Hierarchically Porous MOF composites for Water Remediation Mrs.Sona John Newman College Thodupuzha Kerala, India
463	CP-467	2438	Green Route for the Synthesis of ZnO as an efficient Photocatalyst Mr.Riu Riu Wary Central Institute of Technology, India
464	CP-468	2439	Comprehensive understanding of the mechanism of adsorption of methylene blue dye on a novel nanoadsorbent fabricated from bottle gourd peel Prof.Pramila Kumari Misra Sambalpur University, India

465	CP-469	2441	Synthesis of TiO ₂ @Graphene nanocomposite via hydrothermal process for photochemical degradation of antibiotics Ms.Maitrayee U Trivedi Pandit Deendayal Petroleum University, India
466	CP-470	2464	synthesis of mesoporous materials using aqueous extract of agro waste as precipitating agent Mr.SUDEM BORGAYARYCIT KOKRAJHAR, India
467	CP-471	2476	Synthesis and Characterization of Nickel Oxide Nanoparticles Using Leaf Extract of <i>Blepharis maderasatensis</i> Mr.TAMIL SELVAN SRMIST, India
468	CP-472	2517	Antibacterial activity of Spherical AgNPs capped by mucilage extract of <i>Petalium murex</i> Mrs.SMangala Nagasundari Manonmaniam Sundaranar University, Tirunelveli, India
469	CP-473	2519	Probe into DNA interaction, cell toxicity and antifungal activities of phyto-synthesized yttrium oxide (Y ₂ O ₃) nanoparticles Dr.Rugmani Meenambal National institute of mental health and Neuroscien, India
470	CP-474	1769	Biosynthesis of TiO ₂ nanoparticles and its Haemolysis, Anticancer and Antimicrobial efficiency Mr.Sandupatla Raju Osmania University, India
471	CP-475	172	Synthesis and Characterization of ZnS Quantum Dots using <i>Aspergillus terreus</i> and its application in various dye degradation Mr.Tincy K Thomas University of Kerala, India
472	CP-476	176	Interactions between inulin and anionic [bis (2-Ethylhexyl) sulphosuccinate sodium salt (AOT)], cationic [cetyl trimethyl ammonium bromide (CTAB)] and nonionic [polyethylene (23) lauryl ether (Brij-35) Dr.SACHIN KUMARI CCSHAU Hisar, India

473	CP-477	405	Mrs.SIVARENJINI T MIIITDM KANCHEEPURAM, India
474	CP-478	515	Lab made Portable Optical Tensiometer for Contact angle Measurement. Mr.Gopinatha B MSIT, India
475	CP-479	588	Effective, Environmental Friendly Lead Free Zinc Doped Tin Oxide Nanoparticles embedded Epoxy composites for X-Ray Shielding Mr.Sanjeevi PPSG College of Arts and Science, India
476	CP-480	647	Synergistically Improved Electromagnetic Interference Shielding in Polyvinylidenefluoride Reinforced with Nanostructured Carbon Black and Room- temperature Ferromagnetic Sr ₃ YCo ₄ O ₁₀ δ Ms.Vidhya Lalan University of Kerala, India
477	CP-481	1142	STUDIES ON SOME AMINE COMPOUNDS AS CORROSION INHIBITOR FOR MILS STEEL IN HYDROCHLORIC ACID Mrs.M GOMATHI ERODE SENGUNTHAR ENGINEERING COLLEGE, India
478	CP-482	1164	Thermal stimulation of light emission from semiconducting yttrium zirconate host activated with fractional Europium Doping Ms.Seema Chopra G D GOENKA UNIVERSITY SOHNA GURUGRAM, India
479	CP-483	1505	Impact of Nano science and Nanotechnology on Present and future Development Mr.SHIVAJI MADHUKAR SONAW Bharatiya Jain sanghatanas Arts Science and Commerce, India
480	CP-484	1696	Nano-gypsum Composite Soil Conditioner-Fertilizer: Towards Materials Development for the Agricultural Sector Mr.MADZOKERE University of Johannesburg SOUTH AFRICA
481	CP-485	1826	Dr.P . MALLIGA SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, India

482	CP-486	2008	Surface Modification on AA5083 Using HVOF Sprayed WC and B4C Coating for Brake Pad Application Dr.M MEIGNANAMOORTHYK Ramakrishnan College of Engineering, India
483	CP-487	2068	Thermodynamical Study of Nanofluids at Various Temperatures Dr.SHAIK.FAKRUDDIN BABAVA V.R.SIDDHARTHA ENGINEERING COLLEGE, India
484	CP-488	2261	Characterization and X-ray attenuation studies on Mg doped MoO ₃ nanoparticles for lead-free X-ray shielding applications Mr.Atheek P PSG College of Technology, India
485	CP-489	1146	Interaction of Growth Species in Gas-phase CVD: Visualization and Analysis for Effective 2D TMDC Growth Mr.Kalaiarasan SRM Institute of Science and Technology, India
486	CP-490	1176	Structural evolution of micromechanically exfoliated WSe ₂ from 400 K to 110 K Mr.ABEN REGI ABRAHAM ST BERCHMANS COLLEGE, India
487	CP-492	836	Insight of structural, electronic and optical properties of Ca substituting Sr in Sr ₃ Ba ₂ Nb ₁₀ O ₃₀ via first - principle calculations Mr.Tahir Ahmad University of Delhi, India
488	CP-493	1047	Synthesis, Growth and Characterization of Novel Nonlinear Optical Materials: LHPAKI and PASNHCL Single Crystal Ms.surya selvaraj SRM Institute of Science and Nanotechnology, India
489	CP-494	1125	SYNTHESIS AND CHARACTERIZATION OF CTAB ASSISTED ZNO NANO PARTICLES Dr.P Divya Dr MGR educational and research university, India

490	CP-495	2615	ZnO nanorods based high performance planar UV Photodetector Bellarmine Francis ^{1*} , Reel IIT Madras, India
491	CP-496	2618	Optimizing the Performance of Lanthanide Doped Semiconductor Nanoparticle Luminophores Prasun Mukherjee ¹ University of Calcutta, Kolkata, India
492	CP-497	2626	Radial growth transformation from MoS ₂ to MoS ₂ /MoO ₂ heterostructure with controlled MoS ₂ (001)/MoO ₂ (0kl), (h00) crystal plane growth orientation R. Abinaya ¹ SRMIST & Shizuoka University Japan, India & Japan
493	CP-498	2627	Investigation of one-dimensional metal-oxide Nanocomposites for photo-sensing Applications Silambarasan Shizuoka University, Japan
494	CP-499	2628	Size tunable ZnO hexagonal nanodisks for ultraviolet photo detector Silambarasan Shizuoka University, Japan
495	CP-500	2637	Epitaxial Growth of La _{0.7} Sr _{0.3} CoO ₃ (LSCO) on Si Substrate by using Neodymia Stabilized Zirconia Single Buffer Layer Sreerama Jhansi Lakshmi Shizuoka University Japan
496	CP-501	2641	Sustainable Novel Photoanode of ZnO Nanorods decorated mesoporous TiO ₂ for improved Photoelectrochemical water splitting applications S. Athithya SRMIST, India
497	CP-502	2642	Improved thermoelectric property of nanostructured Cu doped SnSe(1-X)SnS(X) compounds S. Athithya SRMIST, India
498	CP-503	2643	Phase transition induced thermal behaviour of copper telluride S. Kavirajan SRMIST & Shizuoka University Japan, India & Japan

499	CP-504	2644	Facile fabrication of rGO modified ZnO nanorods for room temperature gas sensing application P. Bharathi SRMIST & Shizuoka University Japan, India & Japan
500	CP-505	2645	Ag enfold cauliflower like TiO ₂ nanostructured photoanode for dye sensitized solar cell application Manikandan V.S Central Institute of Plastics Engineering & Technology, India
501	CP-506	1121	Wavelength depended anisotropic photo sensing activity of Zirconium Trisulfide crystal Mr. ANANDKUMAR CHUNILAL PA SARDAR PATEL UNIVESITY, India
502	CP-507	1270	Effect of Zn doping on dielectric properties of MgO nanoparticles synthesized by Microwave-assisted combustion route Ms. Barsharani Priyadarshi KIIT deemed to be University, India
503	CP-508	1271	Improving the cytotoxicity of genistein using polymer-lipid conjugate based nanomicelles Mr. HARIHAR NARAYAN Institute of Pharmacy, Bundelkhand University, Jh, India
504	CP-509	1316	Thermal stability and characterization of e-mode Mg-doped In _{0.2} Ga _{0.8} N capped gate Double Heterostructure-High Electron Mobility Transistor using Al ₂ O ₃ substrate for high power and high temperature ope Mr. Yusuf Umar Tarauni Department of Physics and Nanotechnology SRM IST, India
505	CP-510	1363	Effect of A-site dopant on dielectric, ferroelectric and piezoelectric properties of Pb(In _{0.5} Nb _{0.5})O ₃ -Pb(Mg _{0.335} Nb _{0.665})O ₃ -PbTiO ₃ piezoceramics Dr. Anandha babu G Sri Sivasubramaniya Nadar College of Engineering, India
506	CP-511	1386	A Solution Process Approach for Direct Patterned Boron Indium Oxide Thin-Film Transistor Fabrication Mr. Arulkumar PSG Institute of Advanced Studies, India

507	CP-512	1435	Synergetic effect of Silver decorated Cadmium Sulphide quantum dots for heavy metal detection Dr.Parimaladevi R Mother Teresa Womens University, India
508	CP-513	1468	Investigations on effect of conductivity of reduced Graphene Oxide on response for UV photon detection. Mrs.Shruthi G Dayananda Sagar University, India
509	CP-514	1469	Modeling of Double Gate Field Effect Diode for Analog Applications Ms.TANISHA SHARMA SRM INSTITUTE OF TECHNOLOGY, India
510	CP-515	1510	Electrochemical Biosensors based on Two Dimensional MoS ₂ with Multi-Walled Carbon Nanotubes for the Non-enzymatic Detection of Vitamin D ₃ Mrs.CHINNU SUSAN JOHN University of Kerala, India
511	CP-516	1836	Frequency dependent resistive switching properties in copper iodide and La _{0.7} Sr _{0.3} MnO ₃ nanocomposites. Mr.SHANTANU MAJUMDER IIT Patna, India
512	CP-518	1911	Simple and Fast Protocol for Synthesis of 2-amino-4-(4-formylphenyl)-4H-chromene-3-carbonitrile to Developed an Optical Immunoassay for Quantification of Botulinum neurotoxin type F Ms.SHENBAGAVALLI K Madurai kamaraj university, India
513	CP-519	2634	Effect of Heating on Electrical of In/CdTe/Au Detector Junichi Nishizawa Shizuoka University Japan
514	CP-520	2636	Study of Randomly-Formed Interacting Quantum Dots in Highly-Doped Si Junctionless Transistors Taruna Teja Jupalli Shizuoka University Japan
515	CP-521	1292	Polyaniline-Graphene Composite as Efficient Multi-Functional Material Mr.Rishi Pal GJUST Hisar, India

516	CP-522	42	Fabrication of GO/V2O5 incorporated PVP/chitosan patch for wound healing application Ms.D Prema SRM Institute of Science and Technology, India
517	CP-523	43	Quercetin loaded Folic Acid/Polydopamine conjugated Nickel Oxide nanoparticles for targeted delivery to tumor cells Ms.Nikita Mariam Binu SRM Institute Of Science And Technology, India
518	CP-524	44	PEG COATED TiO2/CIPROFLOXACIN NANOCOMPOSITE FOR WOUND HEALING Ms.S SREENIDHI SRM Institute of Science and Technology, India
519	CP-525	46	Ms.Amutha Arul SRM IST, India
520	CP-526	57	ALK5-Lumican Complex in Presence of Graphene and Graphene Oxide Employing Molecular Dynamics and MMPBSA Calculation Ms.S SINDHIYA SRM Institute of Science and Technology, India
521	CP-527	62	Investigations on the interaction of graphene oxide and bovine serum albumin Mr.Prithvi Raj SRM Institute of Science and Technology, India
522	CP-528	72	Mr.VEDANT KEDIA BIRLA INSTITUTE OF TEHNOLOGY MESRA PATNA CAMPUS, India
523	CP-529	76	Multifunctional nanoliposome mediated co-delivery of PTEN plasmid and AKT3 siRNA for prostate cancer treatment. Ms.Stuti Ahmedabad University, India
524	CP-530	77	Dr.Karthick Velu Sathyabama Institute of Science and Technology, India

525	CP-531	81	Development of cisplatin conjugated liposome and studies their efficacy against skin wound microbes and the wound healing process Dr.viswanathan kaliyaperu Transnational research platform for veterinary bio, India
526	CP-532	99	Investigation on the influence of cerium oxide nanoparticle size on toxicity with Drosophila melanogaster as an invivo model Mr.Ajay S Kumar SRMIST, India
527	CP-533	109	Toxicity of cobalt nanoparticles on the fresh water snail Pila virens Mr.Nadakuditi Venkata Raj VFSTR Deemed to be University, India
528	CP-534	110	Pila virens as sentinel of silica nanoparticles induced toxicity and oxidative stress Mr.Koigoora Srikanth VFSTR Deemed to be University, India
529	CP-535	111	Copper ferrite nanoparticles induced cytotoxicity and oxidative stress in Channel catfish ovary (CCO) cells Dr.Koigoora Srikanth VFSTR Deemed to be University, India
530	CP-536	113	Sub-lethal effects of Zinc nanoparticles induced toxicity and oxidative stress in fresh water apple snail Pila virens Mr.Thummala Harsha VFSTR Deemed to be University, India
531	CP-537	118	CHRONIC RHINOSINUSITIS: CAUSES, EXISTING TREATMENT STRATEGIES, POSSIBLE FUTURE TREATMENT PLAN OF ACTIONS FOR CRS TREATMENT Ms.Ganga Lakshmi Kamaraj college of Engineering Technology, India
532	CP-538	122	Cilnidipine loaded solid lipid nanoparticles for oral delivery: Development, Characterization, and in- vivo Pharmacokinetic studies Mrs.Remya P N SRMIST, India

533	CP-539	123	Graphene Quantum Dots based Drug Delivery System for Osteosarcoma Therapy Ms.Khushboo Dutta Vellore Institute of Technology, India
534	CP-540	133	Optical and Antibacterial Activities of Microwave assisted Zn ₂ SnO ₄ nanorods Dr.SIVAKUMAR K KAMET DEEMED TO BE UNIVERSITY, India
535	CP-541	135	FORMULATION DEVELOPMENT AND EVALUATION OF METHOTREXATE LOADED TRANSFEROSOMAL GEL FOR THE TREATMENT OF BASAL CELL CARCINOMA Mrs.GAYATHRI H SRM COLLEGE OF PHARMACY, India
536	CP-542	145	Formulation and Characterization of Niosomal in situ gel of Rivastigmine for Brain targeting via olfactory route Mrs.Saraswathi TS SRM COLLEGE OF PHARMACY, India
537	CP-543	165	Antifungal Activity of ZnO and MgO Nanomaterials and Their Mixtures against Colletotrichum gloeosporioides Strains from Tropical Fruit Ms.Angelin Christina.E Kongu Engineering college, India
538	CP-544	166	Ms.Janani V SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
539	CP-545	174	FEASIBILITY STUDY OF DOPED NANOMATERIALS AS CONTRAST AGENTS FOR X-RAY EXCITED OPTICAL IMAGING Dr.ASHWIN KUMAR N SRM Institute of Science and Technology, India
540	CP-546	175	Mr.Satheeswaran B Bharathiar University, India
541	CP-547	177	Metal-Free Polyester Nanomaterial for Biomedical Use and Potential Clinical Application Dr.Piyush Kumar Gupta Sharda University, India

542	CP-548	189	Fabrication of Chitosan patches with ZnO tagged Curcumin for enhanced wound healing Dr.G.Devanand Venkatasubbu SRM Institute of science and Technology, India
543	CP-549	195	A comparative study on utilization of various agricultural wastes for the production of nano cellulose Ms.SHRUTHY RAMESH SRMIST, India
544	CP-550	197	TARGETTED DRUG DELIVERY SYSTEM USING COPPER NANO-CONJUGATES PRODUCED FROM PLANTS AGAINST TUBERCULOSIS Ms.Pratheeka Rajan Womens Christian College, India
545	CP-551	199	Cow Dung (CD) derived AgNPs nanoparticles as alternative anti-staphylococci agents: Bactericidal, antibiofilm and biocompatibility study Mr.Shivaswamy M BSJCE JSS Science and Technology University Mysuru, India
546	CP-552	201	Synthesis of promising antibiotic C2 decorated silver nanoparticle to eradicate the superbug- Methicillin-resistant Staphylococcus aureus and its toxicity studies Mr.Chandramouli SJCE JSS Science and Technology University Mysuru, India
547	CP-553	202	Investigating the Antimicrobial activities of the piperazine moiety decorated selenium nanoparticles (Pip@SeNPs) against super bug MRSA and Its Toxicological analysis Mr.Rakesh K JSJCE JSS Science and Technology University Mysuru, India
548	CP-554	221	Novel synthesis of GO/Y2O3/NiO ternary nanocomposite for enhanced wound healing application Mr.PRAKASH JSRMIST, India
549	CP-555	222	Enhanced fibroblast proliferation and size dependent property of Titanium dioxide nanoparticles Mr.Venkataprasanna KSSRMIST, India

550	CP-556	223	Overview of Coronavirus (Covid- 19) pandemic situations and survey of changes in the people lifestyle during Covid-19 pandemic situation in Tamil Nadu, , India Mr.R Gopalakrishnan SRMIST,KTR, India
551	CP-557	237	Investigations on nanocurcumin for wound healing property Dr.G. Devanand venkatasubbu SRM Institute of Science and Technology, India
552	CP-558	257	Advancement of nano-phytochemicals for the treatment of breast cancer. Ms.Parizad patel C. G. Bhakta Institute of Biotechnology, India
553	CP-559	265	Mr.Nilkantha Gupta SRMIST, India
554	CP-560	274	2-D scaffolds of lysozyme and Au NP-immobilized N-doped RGO to understand nano-bio interface Mr.KARAN CHAUDHARY Department of Chemistry University of Delhi, India
555	CP-561	276	Toxicity studies on Chitosan coated Hydroxyapatite Nanoparticles in Drosophila Melanogaster Ms.PALLAVI DAN SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
556	CP-562	282	GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES USING METHANOLIC EXTRACTS OF ENDOPHYTIC FUNGI AND EVALUATION OF ITS BIOLOGICAL ACTIVITIES Ms.SHAZIA ANJUM M SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
557	CP-563	296	Antifungal Activity of ZnO and MgO Nanomaterials and Their Mixtures against Colletotrichum gloeosporioides Strains from Tropical Fruit Ms.Anjali kushwaha S Kongu Engineering College, Perundurai, India

558	CP-564	321	Copper Oxide Nanoparticles Incorporated Nanofiber for Wound Healing Applications Mr.Sathish Kumar K SRM Institute of Science and Technology, India
559	CP-565	330	Plasmon assisted resonance energy transfer between laser dyes and silver nano particles Dr.Deepa H R BNM Institute of Technology, India
560	CP-566	341	“Multifunction Folic acid coated Mesoporous Silica and Doxorubicin Encapsulated Nanocomposites (FA/DOX@Silica)for Superior Active Targeting Cancer Therapeutics, Bioimaging and in vitro Studies” Mr.Hemant Kumar University of Delhi, India
561	CP-567	350	Comparative Study on the Effect of Green and Chemical Synthesized Iron Oxide Nanoparticles on Human Peripheral Blood Lymphocytes Exposed to Ionizing Radiation Mr.Mohammed Junaid Hussai SRM Institute of Science and Technology, India
562	CP-568	354	Development and Evaluation of Basil Oil Nano-Emulsions Filled Hydrogels Mr.GOUTI AJAY KUMAR SRI KRUPA INSTITUTE OF PHARMACEUTICAL SCIENCES, India
563	CP-569	362	Antibacterial Nano-fibres for Textile Industry Mr.Dhruv Bhatnagar Dr SSBUI CET Panjab University, India
564	CP-570	447	Effects of Gamma Radiation in Biofunctionalized Polycaprolactone Electrospun Mats Prof.SUNDARAPANDIAN.S SRM MEDICAL COLLEGE HOSPITAL, India
565	CP-571	464	Mrs.Smitha Chandrashekar SRM University, India

566	CP-572	473	INTERNALIZATION OF DNA FUNCTIONALIZED MAGNETIC NANOPARTICLES IN CANCER CELLS FOR HYPERTHERMIA THERAPY Ms.DEBARATI DE University of Calcutta, India
567	CP-573	489	Multipurpose N/S co-doped carbon dots for fluorescent cell imaging and dopamine sensing Mr.Abhishek Pathak Amrita Vishwa Vidyapeetham, India
568	CP-574	499	synthesis of silver and gold nanoparticles mercaptopropionic acid conjugated cholic acid as templated and their evaluation in chemical and biological applications Ms.E Nishanthi university of madras guindy campus chennai 25, India
569	CP-575	501	ctyl cysteine conjugated cholic acid and stabilised gold nanoparticles and their applications Mr.E Manikandan university of madras guindy campus chennai 25, India
570	CP-576	518	Enhancement In Thermoelectric Power With Iso-electronic Doping in c-axis oriented bulk MoTe ₂ Sheets Mr.HASAN AFZALUGC DAE CSR, India
571	CP-577	527	Multifunction Folic acid coated Mesoporous Silica and Doxorubicin Encapsulated Nanocomposites (FA/DOX@Silica) for Superior Active Targeting Cancer Therapeutics, Bioimaging and in vitro Studies Mr.JITENDER KUMAR UNIVERSITY OF DELHI, India
572	CP-578	547	Biogenesis of Silver Nanoparticles Using Withania coagulans Berries Extract and Its In-Vitro Antidiabetic Activity Ms.Jarnain Naik Education, India

573	CP-579	556	MICROEMULSION MEDIATED SYNTHESIS OF DOPED IRON OXIDE NANOPARTICLES FOR DRUG DELIVERY ,BIOEMAGING,IN VITRO AND IN VIVO STUDIES Mrs.PURNIMA JUSTA CENTRAL UNIVERSITY OF HIMACHAL PRADESH, India
574	CP-580	573	Efficacy of Citrus limon Leaf Extract Mediated Metal Nanoparticles against Mosquito Larvae and Predatory Nymphs Ms.Savy Panamkuttiyel MiDAYALBAGH EDUCATIONAL INSTITUTE, AGRA, India
575	CP-581	609	Facile synthesis of visible region luminescent silver decorated graphene oxide nanohybrid for biomedical applications Ms.ANJUMOL JOY KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES, India
576	CP-582	610	Berberine Loaded Mesoporous Silica Nanoparticles for Photochemotherapy Against Prostate Cancer Dr.Baranya Murugan SASTRA University, India
577	CP-583	639	Development of 3D Bio printed hydrogel incorporated with Reduced Graphene Oxide shows wound healing and antibacterial activity Ms.Swathi Nedunchezian Kaohsiung Medical UniversityTAIWAN
578	CP-584	644	Structural refinement and anti-cancer studies of triangular silver nanoparticles Mrs.LEKSHMI CHANDRAN DEPARTMENT OF OPTOELECTRONICS UNIVERSITY OF KERALA, India
579	CP-585	661	Preparation, Characterization, and Biological studies of Chitosan Organomontmorillonite Nanocomposite film Ms.surumi Buniversity of kerala, India
580	CP-586	662	Formulation of silver nanoparticles and its synergistic activity with antibacterial agents Mr.Nitin Nilkanth Padole UDPS NAGPUR, India

581	CP-587	673	Binding of glycopeptide antibiotic with gold nanoparticles: Role of surfactants Ms.Amritpal Kaur Panjab University Chandigarh, India
582	CP-588	695	Characterization of Green Synthesized Silver Nanoparticles (AgNPs) from Actinopterygii Radiata (SW.) and its Potentiality as Anti Nephrotoxicity in Albino Mice Dr.Rathish Kumar Sri Ramakrishna College of Arts and Science, India
583	CP-589	696	Role of Cerium Oxide nanoparticles in improving oxidative stress and developmental delays in Drosophila melanogaster as an in-vivo model for Bisphenol A toxicity Ms.PALLAVI DAN SRM IST, India
584	CP-590	735	Antimicrobial applications of nano - NixMgyZnzFe2O4 ferrite Dr.Flory Pereira PESsRSN College of Arts and Science, India
585	CP-591	751	Mr.Vignesh Sundararajan SRM IST Kattankulathur, India
586	CP-592	753	Cassava peel starch nanoparticle preparation and characterization and its drug release kinetics Ms.Kabila Nagaraju Kumaraguru College of Technology, India
587	CP-593	754	Mesoporous SiO ₂ /Ca/γ-Fe ₂ O ₃ nanocomposite : Synthesis, magnetic properties, and application in drug delivery Mr.VIGNESH KSRM INSTITUTE OF TECHNOLOGY, India
588	CP-594	763	Mr.Rajesh kumar M SRM IST KATTANKULATHUR, India
589	CP-595	803	A Novel Sericin Collagen Graphene Oxide Scaffolds with Angiogenic Property Ms.Jayavardhini B Chettinad Academy of Research and Education, India

590	CP-596	805	First Principles Investigation of Electronic Structure of Janus Boron Nitride Nanosystems Dr.Basant Roondhe, Indian Institute of Technology Bombay, Powai, India
591	CP-597	817	synthesis and characterization of cissus quadrangularis doped Hydroxyapatite Ms.Megha M Karunya Institute of Technology and Sciences, India
592	CP-598	829	Efficient Ligand Impregnated Mesoporous Optical Sensors for the Colorimetric Quantification of Cu ²⁺ in Water Samples Ms.PS SUSHMITHA VIT VELLORE, India
593	CP-599	830	Comparative in vitro evaluation of transferosomal patches for enhanced drug delivery of lisinopril dehydrate Ms.Aparanjitha Kakatiya University, India
594	CP-600	855	Dendrimer based formulation for improving physicochemical properties of anticancer phytochemicals Ms.DIVYA BHARTI RAICENTRAL UNIVERSITY OF GUJARAT, India

Poster Session-2-1st Feb 2021-17.00 PM to 18.30 PM

Track-4, Track 5 and Track 6

595	CP-601	856	A Study on Polyethylene coated Hydroxyapatite Nanocomposite using Drosophila Melanogaster as an In vivo Model Ms.Swetha Senthil Kumar SRM Institute of Science and Technology, India
596	CP-602	864	Green synthesis and characterization of selenium nanoparticles using leaves of Tabebuia pallida and their protective effect on cytarabine induced toxicity in human lymphocytes. Mrs.Sherin John Joseph Department of Biotechnology, India
597	CP-603	887	Fabrication of Thymol-loaded Sodium alginate/Poly(2-ethyl-oxazoline)/Chitosan based Semi-interpenetrating Hydrogel for Bone Tissue Engineering Ms.LAVANYA SRMIST, India
598	CP-604	905	Anti Cancer Therapeutic Efficacy of green ZnO Nanoparticle Synthesized using Annona muricata on 2D tumor model Ms.Mansi Agrahari VIT, vellore, India
599	CP-605	933	Green synthesis of CuO nanoparticles from catharanthus roseus for anticancer activity Dr.SUGAN S Dhirajlal Gandhi College of Technology, India
600	CP-606	948	Ms.Asimah Khalid Aligarh Muslim University, India
601	CP-607	956	Designing of dendritic nanostructures for the delivery of chemotherapeutic agents Dr.Hitesh Kulhari Central University of Gujarat, Gandhinagar, India
602	CP-608	980	Investigation of the interaction of zinc oxide nanoparticle with human serum albumin Dr.SOMAIYA MATEEN Aligarh Muslim University, India

603	CP-609	1035	Computer-aided Drug Design approaches to determine the antiviral inhibitors against Main Protease of SARS-CoV-2 Mr.K Palanisamy SRM IST, India
604	CP-610	1056	Biocontrol efficacy of myco-synthesized selenium nanoparticle using Trichoderma sp.on insect pest Spodoptera litura Mr.Arunthirumeni Periyar University, India
605	CP-611	1103	Biosynthesis and characterization of Zinc nanoparticles synthesized using supernatant of Bacillus thuringiensis and its application in Antimicrobial, Larvicidal and Photocatalytic degradation activity Mrs.Kandhasamy Lalitha Biotechnology, India
606	CP-612	1107	Surface Modification using PEG and SiO2 Coatings for Effective Stabilization of Superparamagnetic Iron Oxide Nanoparticles Dr.Rajeswari Gangadharan Ethiraj College for Women, India
607	CP-613	1109	Chitosan Based Nanosphere Uniformly Decorated with Zinc Oxide Nanocube: a Nanohybrid Platform with improved Antiviral Performance Mr.Biswajit Jana IIEST SHIBPUR, India
608	CP-614	1138	Biosynthesis and Characterization of Silver nanoparticles mediated by pseudomonas aeruginosa application for antimicrobial, antibiofilm and larvicidal activity Mrs.Sowmiya T Department Of Environmental Science, India
609	CP-615	1148	Fabrication of Copper Enriched Hydroxyapatite (HAp) Polyethylene Glycol (PEG) Nano Biocomposite for Bone Tissue Grafting Mrs.Aparnadevi Natarajan Ethiraj College for Women, India
610	CP-616	1153	Synthesis and characterization ZnO nanoparticles using sol-gel method and their antibacterial study Mrs.KALAIVANI T SRM INSTITUTE OF TECHNOLOGY, India

611	CP-617	1155	Synthesis and Anti bacterial study of of mesoporous silica nanoparticles using sol-gel method Mrs.KALAIVANI T SRM INSTITUTE OF TECHNOLOGY, India
612	CP-618	1158	Mr.VIGNESH K SRM INSTITUTE OF TECHNOLOGY, India
613	CP-619	1177	Injectable Hydrogel for Co-Delivery of 5-Azacytidine in Protein Nanoparticles with Stem Cells for Cardiac Function Restoration Ms.Vineeta Sharma, Indian Institute of Technology Madras, India
614	CP-620	1185	Green synthesis and characterization of hydroxyapatite bio composite using neem (Azadirachta indica A. Juss) bark extract for enhanced biomedical application Mr.VENKATACHALAM MURUGESA Periyar university, India
615	CP-621	1186	Enhancing Mechanical Stability of Bioactive Material via Confinement of Crystalline Combeite Phase Enhancing Mechanical Stability of Bioactive Material via Confinement of Crystalline Combeite Phase Ms.S VIJAYAKUMARI UNIVERSITY OF MADRAS, India
616	CP-622	1188	Thermal Expansion in Hydrogel Studied by Optical Technique Dr.Shilpa N Kulkarni Shri Ramdeobaba College of Engg and Mngt Nagpur, India
617	CP-623	1192	Synthesis, Characterisation and Activity Study of Diethylenediamine Copper Complex Mr.madani university ferhat abbas setif, ALGERIA
618	CP-624	1215	Interaction of colloidal TiO ₂ nanoparticles with biologically active coumarin: a spectroscopic study Mr.S Chandrasekhar B N M Institute of Technology, India
619	CP-625	1219	Biofilm formation by an anaerobic bacterium on titanium and its role in corrosion Dr.Subba Rao T Biofouling and Thermal Ecology Section BARCF, India

620	CP-626	1225	Fabrication of Chitosan-based Nanocomposite Film Merged with Starch Nanocrystals and Peppermint Oil for Food Packaging Applications Dr.Neethu Hari University of Kerala, India
621	CP-627	1243	Low-power and High Frequency Bidirectional Optogenetic Switching of Neuronal Spiking by Co-expressing Anion and Cation Conducting Channelrhodopsins Mr.HIMANSHU BANSAL Dayalbagh Educational Institute Agra 282005 , India
622	CP-628	1268	Matrix Metalloproteinase: Potential Target for Nanotherapeutics Ms.Sejal Chauhan Central University of Gujarat, India
623	CP-630	1274	Antiinflammatory and antioxidant activity of nanobioconjugate Ms.Kabyashree Phukan IASST, India
624	CP-631	1283	Bio-synthesized porous CeO ₂ nanoparticles: Its adsorptive and antimicrobial applications Ms.STHITIPRAJNA MUDULI KIIT DEEMED TO BE UNIVERSITY, India
625	CP-632	1295	Multiple phthalocyanine macrocycles tethered on cyclophosphazene scaffold: Synthesis, characterization and photophysical studies. Ms.Kiran Krishna Mandreka SRM IST, India
626	CP-633	1303	Hybrid Jute Carbon Dot-Cotton Patch as pH-Responsive Drug Delivery System Ms.Ankita Deb IASST, India
627	CP-634	1308	Chitosan encapsulated Naringenin induces cell death in human breast cancer cell MDA-MB-231 through apoptosis via generation of oxidative stress and Caspase-3 Dr.K T Ramya Devi SRMIST Chennai, India

628	CP-635	1313	Fabrication of porous chitosan scaffold inserted with dexamethasone nanofibrous mats by freeze gelation- A promising model for drug delivery in tissue engineering applications. Dr.Manjunath Kamath S. Saveetha dental college, India
629	CP-636	1344	Bioengineered phytomolecule-capped silver nanoparticles using Carissa Carandas leaf extract to embed onto urinary catheter to combat UTI pathogens and its antibacterial and antibiofilm mechanism Prof.Thangavelu Sathiamoo Alagappa University, India
630	CP-637	1346	Estimation of Genotoxic damages using Micronucleus and Comet assay in the blood cells of Pangasius sutchi exposed to CuO NP's Mr.Darul Raiyaan G I SRM IST Kattankulathur, India
631	CP-638	1367	Synchrotron-based X-ray surface characterization and biological studies of engineered Cu-modified Bentonite nanoclay from the Philippines Ms.Kathrina Lois Taaca UP Diliman, PHILIPPINES
632	CP-639	1371	Influence of $\text{Ca}_{10}(\text{PO}_4)_6\text{-x}(\text{SO}_4)_x(\text{OH})_2$ Nanoceramics on Biomineralization and Osteogenic Potential Dr.G Radha University of Madras, India
633	CP-640	1378	Naturally-derived Magnetite (Iron Oxide) Nanostructures-integrated Bioactive glasses for Bovine Bone Remineralization Mrs.Chitra S UNIVERSITY OF MADRAS, India
634	CP-641	1385	Exploitation of Versatile Naturally Derived Blue Colorant Pigment 3-[2-hydroxy-5-(5-hydroxy-1H-indol-3-yl)-1H-pyrrol-3-yl]indol-one Ms.Ishani SRM University, India
635	CP-642	1400	Synthesis And Characteristic Study Of Hemigraphis Colorata Loaded Albumin Nanoparticles For Drug Release Mrs.FATHIMA SHARAF UNIVERSITY OF KERALA, India

636	CP-643	1403	Investigation on Optical Properties of Excised Breast Carcinoma using Terahertz Spectroscopy. Mrs.stella Jenifer Isbell srmist, India
637	CP-644	1409	Antibiofilm activity of BiVO ₄ synthesised by Solvo-thermal technique against Acinetobacter baumannii and Methicillin Resistant Staphylococcus aureus Dr.J.P.Deebasree PSGR Krishnammal College for Women, India
638	CP-645	1416	Mathematical modeling and analysis of the effect of nanoparticles in diffusive predator-prey model with density dependent death rate of predator Mrs.Suganya G SRM Institute of Science and Technology, India
639	CP-646	1427	Numerical Analysis, Experimental Investigation and Fabrication of Hip Prosthetic stem Mr.Senthil Maharaj.P.S.R AAA College of Engineering and Technology, India
640	CP-647	1459	Lepismium cruciform mediated synthesis of silver and iron nanoparticles and its evaluation of antioxidant, antibacterial and anti-inflammatory activity to combat A549 cells. Dr.Manju vaiyapuri Periyar university, India
641	CP-648	1479	Anticancer drug delivery to the brain using nanoparticle Mr.RABINDRANATH MAJUMDER Centre for Healthcare Science and Technology, Indi, India
642	CP-649	1485	Antimicrobial activity of nanoparticles: a new aspect in dermatophytic infection control Dr. Jitendra Kumar Dolphin PG College of Science of Agriculture, India
643	CP-650	1507	Paper-based analytical device for the detection of aspartate transaminase using cysteine sulfinic acid as substrate Ms.Alageswari DAMRITA VISHWA VIDYAPEETHAM, India

644	CP-651	1508	Synthesis of Copper-Bismuth Sulfide Nanoflowers for Cancer Targeted Chemo-Photothermal Therapy Ms.Sharmila devi R SRM IST, India
645	CP-652	1512	Tannic Acid Stabilised Self-Degrading Temperature Sensitive Poly(2-n-propyl-2-oxazoline)/Gellan Gum Mothership Capsules for Lipase Delivery Ms.Varsha Sharma SRM Institute of Science and Technology, India
646	CP-653	1514	Laser receptive polyelectrolyte multilayer capsules incorporated with anisotropic gold nanostructures for dual chemo-photothermal therapy Ms.Sangamithra Nehru SRM IST, India
647	CP-654	1544	Mn and Zn co-doped ferrites for Magnetic Hyperthermia Application Mr.Rushikesh Fopase IIT Guwahati, India
648	CP-655	1554	Simulated study of Modelled Micelles Nano-Drug as a carrier in Tumor Targeting and Site-Specific Drug release Mr.Ranjeth SRMIST, India
649	CP-656	1566	Progression of Various forms of Bioactive Materials Based on Silica for Biomedical Application Mr.Riju Chandran R University of Madras, India
650	CP-657	1570	Porous polycaprolactone scaffolds doped with resveratrol functionalized Multiwalled carbon nanotubes for bone tissue engineering Dr.Manjunath Kamath S Saveetha Dental College, India
651	CP-658	1577	OSTEOGENIC POTENTIALS OF BONE MARROW-DERIVED MESENCHYMAL STEM CELLS USING POROUS MG-TRICALCIUM PHOSPHATE (β -TCP-Mg) SCAFFOLDS FOR BONE REGENERATION Mr.Ranjeth SRMIST, India

652	CP-659	1579	Morphological characterisation of ‘Cell – Nano Bioglass composite hydrogel scaffold interaction’ in co-culture experiments Dr.Ramya Ramadoss SRM Dental College, India
653	CP-660	1583	Fabrication of three dimensional chitosan scaffold by freeze gelation method for cartilage tissue engineering Ms.NEHA GUPTA Rajalakshmi Engineering College, India
654	CP-661	1593	Antibacterial and antibiofilm activities of zinc ferrite nanoparticles: A combinatorial study with ampicillin and gentamicin Dr.Sharma Rashmi Purushot Swami Ramanand Teerth Marathwada University Nanded, India
655	CP-662	1623	EFFECT OF SYNTHESIS CONDITION ON MAGNETIC HYPERTHERMIA AND RELAXIVITY OF MANGANESE FERRITE NANOPARTICLES Mr.Jaison D SRM Institute of Science and Technology, India
656	CP-663	1652	Particle size, surface morphology, magnetic behaviour and cytotoxicity measurements of Cr ₃ substituted CoFe ₂ O ₄ (CoCr _x Fe _{2-x} O ₄) nanoparticles prepared by self-igniting solution combustion synthesis Dr.Venkatesan Kaliyamoorth Dr M G R Educational and Research Institute, India
657	CP-664	1663	Evaluating the in-vitro and in-vivo toxic effect of reduced graphene oxide prepared by gamma-ray irradiation method. Mr.Sivaselvam Bharathiar university, India
658	CP-665	1669	Synthesis, characterization and antibacterial activity of zinc and iron co-integrated hydroxyapatite nanoparticles Mr.VARUN SAXENA IIT GUWAHATI, India
659	CP-666	1673	Shear and thermal induced aggregation study of BSA (bovine serum albumin) Ms.Laipubam Gayatri Sharm IIT GUWAHATI, India

660	CP-667	1691	Nanoparticles as an effective treatment molecule for Diabetic diseases Dr.Manikantan P CHRIST University, India
661	CP-668	1707	PROGRESS OF ORGANISMS HEALTH Mr.Chaideftos GREECE
662	CP-669	1710	Preparation and characterization of tapioca starch nanocrystals synthesized by α -amylase treatment combined with acid hydrolysis and its incorporation in edible film Mr.Sreejit Valiathan SRM Institute of Science and Technology, India
663	CP-670	1849	Experimental and Theoretical Studies of dimethyl docosanedioate using Quantum Chemical Calculations, Gas Chromatography Mass Spectroscopic (GCMS) Technique Dr.Dr Rajesh P Vels university pallavaram, India
664	CP-671	1861	Synthesis, characterization, in vitro and biological evaluation of quinolone carboxylic acid-3-aminoacetophenone complex Mr.Kavitha R Rajalakshmi Engineering College, India
665	CP-672	1869	An investigation on electrodeposition of layer by layer coating of Poly vinyl alcohol – Eu, Y co-substituted HAp-Vit B12 biocomposite with enhanced biocompatibility and corrosion resistance for orthop Dr.Sutha Sadhasivam Periyar University, India
666	CP-674	1913	Mechanism of probiotic bacteria mediated Cadmium oxide nanoparticles on antimicrobial action against fish pathogens Dr.Rajeshkumar S Saveetha Dental College SIMATS, India
667	CP-675	1972	Synthesis and Characterization of mercaptopropionic acid capped ZnSe QDs and investigation on optical and structural properties Mr.Gourav Mondal Raghu Engineering College, India

668	CP-676	1974	Synthesis and Physico-chemical studies of Bile acids-functionalized star and linear shaped PLGA-nanoparticles for drug delivery application Mr.Santhana Panneer Deven university of Madras, India
669	CP-677	1998	Green synthesis and antibacterial evaluation of Electrospun silver nitrate nanofibers using Rhizophora mucronata mangrove plants extract Dr.P Sivaperumal Saveetha Dental College and Hospitals, India
670	CP-678	1999	Influence of Nd doping in TiO ₂ nanoparticles on the structural, morphological, optical, magnetic properties and bacterial growth inhibition and osteoblasts proliferation Mrs.P Umadevi SRM Institute Science and Technology, India
671	CP-679	2018	DEVELOPMENT OF OMEGA 3 RICH OIL NANOEMULSION: PHYSICOCHEMICAL CHARACTERIZATION AND STABILITY STUDY Ms.ARYASREE SUKUMAR SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
672	CP-680	2020	Green biosynthesis of silver nanoparticle using Bacillus licheniformis culture-supernatant and its antibacterial effects Dr.Sudhir Kumar Shukla Bhabha Atomic Research Centre, India
673	CP-681	2036	Effect of ultrasonication time and concentration on the stability of lycopene- D-limonene nanoemulsion Mr.Sandip Prasad SRM Institute of Science and Technology, India
674	CP-682	2037	Synthesis and Characterization of Zinc oxide Nanoparticles using Calendula officinalis for enhancing the Antimicrobial activity and its Biological applications Mr.Logesh Radhakrishnan Crescent Institute of Science and Technology, India

675	CP-683	2069	Synthesis and Physico-chemical Characterization of Biodegradable Star-Shaped Poly Lactide-Co-Glycolide- α -Cyclodextrin Copolymer Nanoparticles for drug delivery applications Mr.S Vivekananthan SRM IST, India
676	CP-686	2100	Preparation, Physical Characterization and X-Ray Attenuation Studies of Copper Doped Nano-Tungsten Trioxide Polymer Composite-An Effective Lead Free Radiation Protection Application Mr.SANJEEVI P PSG College of Arts and Science, India
677	CP-687	2130	TRANSDERMAL APPROACH OF PURIFIED, NANOEMULSIFIED PERTUSSIS TOXIN (PT) FROM Bordetella pertussis STRAIN 134 AGAINST WHOOPING COUGH DISEASE Dr.Vijaya RUCE Anna University BIT Campus, India
678	CP-688	2132	Green synthesis of selenium nanoparticles using Terminalia chebula leaf extract, its antibacterial and cytotoxicity assay using Artemia salina. Mr.ANBARASAN KC ABDUL HAKEEM COLLEGE, India
679	CP-689	2165	Synthesis and Characterization of Nano Beta Carotene for Tissue Engineering Applications Ms.LEKSHMI VINOD B University of Kerala, India
680	CP-690	2272	Raman Spectroscopy for pathogen Detection : A Review Mr.Prasanth P SRMIST Kattankulathur, India
681	CP-691	2294	An in-depth analysis of strategies to tackle the anti-microbial resistance: a global prospective Mr.Bashir Ahmad Sheikh University of Kashmir, India
682	CP-692	2315	Vibrational Marker Bands of 5-(4-chloro phenyl)-6-ethyl-2, 4-Pyrimidinediamine, an Anti-Malarial Drug Dr.Y Sheeba Sherlin Scott Christian College Nagercoil, India
683	CP-693	2334	Garcinia cambogia modified chitosan/silver nanocomposites for biological applications Dr.K D Nisha SRM IST, India

684	CP-694	2343	Comparative study on structural enhancement of polymer based medical devices using Additive manufacturing technology and Pop (Plating on Plastics) Mrs.SARANYA R DR NGP INSTITUTE OF TECHNOLOGY, India
685	CP-695	2378	Synthesis and characterization of novel biocompatible CuFe ₂ O ₄ @TiO ₂ @rGO core@shell nanoparticle in magnetic hyperthermia application Ms.R ESTHERNIMSHI Loyola college, India
686	CP-696	2379	Influence of Synthesis Parameters on Silica Nanoparticle Functionalization for theranostics application Ms.PRABHA S Anna University, Chennai, India
687	CP-697	2385	BIO-SYNTHESIS OF SILVER NANOPARTICLES USING A NOVEL STRAIN ACTINOKINEOSPORA FASTIDIOSA AND THEIR BIOLOGICAL ACTIVITIES - AN ECOFRIENDLY APPROACH Mr.Raguvaran Periyar University, India
688	CP-698	2397	Surface modification and drug delivery of folic acid modified polyethylene glycol functionalized mesoporous SiO ₂ nanoparticles for bio medical applications Mr.vignesh SRM Institute of Science and Technology, India
689	CP-699	2417	Pharmacovigilance A need of the hour to mitigate the use of banned drugs in the covid pandemic Ms.KAKURU JYOTHI PRIYANKA NICMAR Pune, India
690	CP-701	2447	Pharmacovigilance a Need of the hour to mitigate the use of banned drugs in the covid pandemic Mr.Haseeb Azam Hussain Bi Nicmar, Pune, India
691	CP-702	2449	DEVELOPMENT OF CURCUMIN LOADED MAGNETIC NANOLIPSOMES AS A THERANOSTIC PROBE FOR BREAST CANCER Mr.KRISHNANAND NAGARAJAN Anna University Tiruchirappalli, India

692	CP-703	2462	Effects of Simulated Microgravity (SMG) on Biosynthesis of Copper Oxide Nanoparticles and its Characterization- A novel approach Ms.Saudamini Kulakrni H V Desai College, India
693	CP-705	2467	Tuning specific absorption rate of Manganese ferrite nanoparticles with Gd3 for clinical magnetic hyperthermia applications Mr.Jaison D SRM Institute of Science and Technology, India
694	CP-706	2497	Biosynthesis of Nanoparticles using Saccharomyces cerevisiae and their Antimicrobial Activity Dr.GIRISH K MAHARANIS SCIENCE COLLEGE FOR WOMEN, India
695	CP-707	2499	Chitosan encapsulated rutin targeting towards bacterial growth inhibition and cytotoxicity on pancreatic adenocarcinoma cell PANC-1 Ms.Dharshene K SRM Institute of Science and technology, India
696	CP-708	2523	Synthesis of Graphene Oxide-Chitosan@MOF [Zn(BDC)(DMF)] material and its in-vitro cytotoxicity against A549 lung cancer cell lines Dr.SELVARAJAN E SRMIST, India
697	CP-709	2533	Green synthesis and characterization of CaO/carbon nanocomposite from waste eggshells Prof.Sundaravadivel E SRM Institute of Science and Technology, India
698	CP-710	2545	Microbial and Optical study of Silver Nano Composites Dr.SELVAKUMAR C Sri Sairam Engineering College, India
699	CP-712	2570	Corrosion-resistant and antibacterial graphene coatings on silicon substrate through Electrophoretic deposition for biomedical applications Ms.MADHUSMITA MALLICK IIT Madras, India

700	CP-713	2581	Synthesis of Bio surfactant based Thiomeric Polymer and Stabilization of Noble Metal Nanoparticles for Biological Applications Ms.Yuvarani M University of Madras, India
701	CP-714	2582	spirobifluorene compounds with Intramolecular Charge Transfer character for efficient hole transport in Phosphorescent OLEDs Dr.P. Justin Jesuraj SRM institute of science and technology, India
702	CP-715	2631	Acoustic and hydrodynamic cavitation coupled with Ozone, H ₂ O ₂ , MgO and MnO ₂ for the treatment of CETP effluent Chandroai AgarkotiInstitute of Chemical Technology Mumbai, India
703	CP-716	2648	Bioderived Carbon Supported Bismuth Molybdate Nanocomposites as Bifunctional Catalyst for Removal of Organic Pollutants: Adsorption and Photocatalytic Studies Nisha Kumari IIT Mandi, India
704	CP-717	16	Insight into the Structural, Dielectrical, Magnetic and Photocatalytic Properties of Gd doped Mullite Bi ₂ Fe ₄ O ₉ Mrs.Subha krishna Rao SRM IST, India
705	CP-718	48	Enhanced catalytic property of metal oxide for an efficient visible induced photoelectrochemical water splitting Ms.Sanchari Banerjee IIT ISM Dhanbad, India
706	CP-720	67	Polycaprolactone based hybrid nanocomposite food packaging films for extended shelf life applications Dr.A B Hemavathi SJCE Mysuru, India
707	CP-721	78	Nickel doped iron selenide nanocrystals grown on carbon cloth as Platinum free electrocatalyst for hydrogen evolution reaction in a wide pH range Mr.ABDUL KAREEM Vellore institute of technology, India

708	CP-723	92	<p>RAPID DECOLORIZATION OF METHYL VIOLET IN AQUEOUS SOLUTION BY MULTILAYERED SUPPORTED SILICEOUS - SHELL AND METALLIC - CORE NANOCOMPOSITES</p> <p>Dr.LOGANATHAN B Dr NGP INSTITUTE OF TECHNOLOGY, India</p>
709	CP-724	101	<p>Nano cure synthesis of ZnO/Ag nanoflowers on enhanced photoexcited anti-microbial activity towards drug resistant superbugs (DRS)</p> <p>Mr.K MUTHUKUMAR National Institute of Technology, India</p>
710	CP-725	105	<p>VLS grown Cu₂Se_{1-x} as electrocatalyst for hydrogen evolution reaction</p> <p>Dr.Supratim Maity Jadavpur University, India</p>
711	CP-726	127	<p>Visible light responsive silver modified rGO/Bi₄Ti₃O₁₂ nanocomposite as an efficient photocatalyst for the degradation of Malachite green from wastewater</p> <p>Dr.Sunaja Devi K R CHRIST Deemed to be University Bangalore, India</p>
712	CP-727	138	<p>Catalytic reduction of 4-nitrophenol using MoS₂/ZnO nanocomposite</p> <p>Ms.MADHUSHREE R CHRIST UNIVERSITY, India</p>
713	CP-728	139	<p>Polymeric PANI/Bi₂O₃ nanocomposite with enhanced catalytic activity for reduction of 4-nitrophenol</p> <p>Mr.George Joseph Christ deemed to be university Bangalore, India</p>
714	CP-729	149	<p>Experimental and Theoretical studies on Photocatalytic and Electrochemical Properties of rGO - BiVO₄ Composite</p> <p>Dr.GOVERDHAN REDDY TURPU Guru Ghasidas Vishwavidyalaya, India</p>
715	CP-730	152	<p>Furfural Hydrogenation and Cyclohexanol Dehydrogenation: Influence of Precipitating Agents on Cu@MgO Catalytic process</p> <p>Ms.Komal N Patil CNMS Jain University, India</p>

716	CP-731	153	Amphiphilic dendrimer stabilized bimetallic nanoparticle catalysts for fast reduction of rhodamine B Dr.Iqbal Pakrudheen Akal University, India
717	CP-732	159	INVESTIGATING DIELECTRIC AND MICROWAVE ABSORPTION PROPERTIES OF CNF-FERRIC OXIDE NANOCOMPOSITE Ms.Mulpuri Namratha Hindustan institute of technology and science, India
718	CP-733	162	Mrs.K Lakshmi Guru Nanak College, India
719	CP-734	163	Shape transformation of hierarchical MnO ₂ nanosheets to 1-D nanowires and its further application to methylene blue degradation under ambient condition Dr. Sandip Saha Department of Chemistry, India
720	CP-735	194	Cracking activity of Calcium and copper oxide nanoparticles in production of biofuel from vegetable oils Dr.G Ramya St Josephs Institute of Technology, India
721	CP-736	218	Structure-property correlations in 316 stainless steel nanocomposites at optimized sintering conditions Dr.A V Radhamani National University of SingaporeSINGAPORE
722	CP-737	228	Synthesis and characterization of Cr ₂ AlC MAX phase for photocatalytic applications Ms.B SHALINI REGHUNATH Christ Deemed to be University, India
723	CP-738	233	Size, morphology and optical properties of Zirconia/Polypyrrole (ZrO ₂ /PPy) nanostructures synthesized using SDS-assisted ZrO ₂ Nanoparticles Dr.Gaganpreet Kaur Government Rajindra College, India
724	CP-739	248	Synthesis of Ce, Sr Mr.SARAVANAN SSRMIST, India

725	CP-740	262	Spectroscopic studies on pure and vanadium doped CdOFePO ₄ nanocomposites Mrs.SHAIK KHAJA MUSWAREEN ACHARYA NAGARJUNA UNIVERSITY, India
726	CP-741	270	The mesoporous silica anchored hydroxyquinoline complexes of nickel(II) and copper(II) towards photooxidation of fluorescein and crystal violet Dr.Ramanjaneya reddy G Sathyabama institute of science and technology, India
727	CP-742	286	Transformation of Spent Engine Oil into Bi-metallic Nanostructure for Electrocatalyst: A Value-Added Journey of Electrochemical Energy Conversion Dr.Subramani Kaipannan CSIR Central Electrochemical Research Institute, India
728	CP-743	289	Dr.GOPALAKRISHNAN RRVS College of Engineering and Technology, India
729	CP-744	309	Photocatalytic Degradation Properties of DC Magnetron Reactively Sputtered TiO ₂ Thin Films: Effect of Annealing Mr.Karthick P SASTRA Deemed University, India
730	CP-745	335	Efficient Photocatalytic Degradation of Crystal Violet and Rhodamine b dyes using RGO@ZnFe ₂ O ₃ Nanocomposite Against Organic Pollutants Prepared by Hydrothermal Method Mr.MANIKANDAN V Annamalai University, India
731	CP-746	337	Facile hydrothermal synthesis of molybdenum disulfide nanoparticles and its supercapacitor applications Ms.P.SUGANYA Annamalai University, India
732	CP-747	361	Large-Scale Synthesis and Optical Properties of h-AlN and h-AlN/Al Nanoparticles Using DC Thermal Plasma Arc Discharge Method Mr.Kumaresan L Bharathiar University, India

733	CP-748	367	Polymer Based hydrophobic Flexible PLA nanocomposite for UV filtering applications Mrs.Shruthi S Mysuru Royal Institute of Technology, India
734	CP-749	369	Effect of Forster resonance energy transfer on the photoluminescence of PPy-ZnO composite Ms.SMITA DEY IIT ISM Dhanbad, India
735	CP-750	382	Gold Seed Deposited Silica Spheres for Efficient Photocatalytic Degradation of Rhodamine 6G Mr.PRAVEENKUMAR PINAPATI Goa University, India
736	CP-751	410	Functionalized MCM-41 incorporated Schiff base cobalt complex and its catalytic efficacy in biomimetic and photo catalytic activities Mr.Manikandan Palaniap Periyar University Salem 636011, India
737	CP-752	412	Structural, spectral, optical, surface, and photocatalytic analysis of rare earth metal ion (Sm ³⁺) substituted mixed Mn-Zn nano-spinel ferrites Ms.RASHMI Kuvempu University, India
738	CP-753	416	MCM-41 Supported Ni-Complex of mixed ligands as an Efficient and Reusable Heterogeneous Catalyst for Microwave Assisted Suzuki-Miyaura Cross Coupling Reactions Mrs.BHARATHI M DEPARTMENT OF CHEMISTRY PERIYAR UNIVERSITY, India
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740	CP-755	433	Green Synthesis of Graphene Gold nanocomposites for Optical Sensing of Ferritin Biomarker Dr.Gowri Vel Tech University, India

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742	CP-757	471	Investigation on the composition-graded InGaN nanostructures for supercapacitors Mr.Sivasankaran BR Department of Energy University of Madras, India
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745	CP-760	505	SYNTHESIS, CHARACTERIZATION OF METAKAOLIN BASED GEOPOLYMER WITH NANOGRAPHENE OXIDE AND PHOSPHORIC ACID FOR SUPER CAPACITOR APPLICATION. Mrs.REVATHI T SRM IST, India
746	CP-761	513	Synthesis and characterization of ZSM-5/CeO ₂ composites and their photocatalytic activity for organic pollutants degradation Mr.Prabhu S Periyar University, India
747	CP-762	517	An Exploration on the Configurational and Mechanical Aspects of Hydrothermally Procured MgO/HA Bioceramic Nanocomposite Ms.Alinda Shaly ALoyola College, India
748	CP-763	519	Synthesis of β -Cyclodextrin / Cu Nanocomposites through facial solution route and its Antibacterial activity Mr.MOHAMED FAIZEESADAKATHULLAH APPA COLLEGE TIRUNELVELI, India

749	CP-764	526	Nitrogen and Phosphorous co-doped carbon nanostructure as a catalyst support for PEMFC Ms.Akshaya S Nair CHRIST Deemed to be University, India
750	CP-765	539	Borosilicate glasses containing CdS/ZnS QDs: A heterostructured composite with enhanced degradation of IC dye under visible-light Mr.Shaileshkumar Y Janban VNIT Nagpur, India
751	CP-766	543	Effect of Composition on Ferroelectric and Energy Storage Properties of $(1-x)(0.6\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-0.4(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3)-x\text{BiZn}_{0.5}\text{Ti}_{0.5}\text{O}_3$ Ceramics Mr.Kiran Kumar NS Central University of Tamil Nadu, India
752	CP-767	557	Synthesis of Cu/Co ₃ O ₄ nanomaterials and its superior catalytic activity for CO oxidation Ms.Vedika Kulkarni BITS Pilani, India
753	CP-768	558	ZrO ₂ nanocrystal-modified layered MoS ₂ /g-C ₃ N ₄ nanocomposite for visible-light photocatalytic hydrogen production activity Mr.E VIJAYAKUMAR SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
754	CP-769	568	Photocatalytic activity of BiOCl nanoparticles for UV-light assisted degradation of Rhodamine B dye Ms.RATNA SARKAR JADAVPUR UNIVERSITY, India
755	CP-770	569	SO ₃ H@Carbon nano-powder derived from waste orange peel: An efficient catalyst for the construction of bis-pyrazolone and quinazolinone scaffolds via MCR strategy Mr.Nagasundaram N Periyar University, India
756	CP-771	570	Ultrasound assisted synthesis of titanium oxide(TiO ₂) supported MoS ₂ /BiVO ₄ nanocomposite for effectivehydrogen production Mr.Govinda raj SRM Institute of science and technology., India

757	CP-772	574	Ms.RESMIR KSMDDB COLLEGE, India
758	CP-773	582	Investigation of Adhesive Bond Failure in Glass/Epoxy Nano filled Single Lap Joint Structures Mr.Viraj Dhavalkumar Modi Hindustan Institute of Technology and Science, India
759	CP-774	584	A Study on the Optical, Electrical and Photocatalytic properties of ZnO/ZnS nanocomposites Dr.K Nomita Devi Manipur University, India
760	CP-775	617	Ms.Swati Deenbandhu chhotu ram university of science and te, India
761	CP-776	626	New-age ZrO ₂ -Ag ₂ O Nanocomposite Hosted on Polymer Monolith: A Fast Responsive Visible Light Photocatalyst for Pollutant Clean-up Mr.SOMPALLI NAVEEN KUMAR VELLORE INSTITUTE OF TECHNOLOGY, India
762	CP-777	628	Macro Porous Polymer Monoliths as Adsorptive Support for Robust Photocatalyst of Ca ²⁺ doped CeO ₂ Mr.SATYA PRASAD ASU VELLORE INSTITUTE OF TECHNOLOGY, India
763	CP-778	635	Mr.SALAM JIMKELI SINGH National Institute of Technology Nagaland, India
764	CP-779	652	In vitro corrosion resistance and biocompatibility of strontium substituted hydroxyapatite/ biopolymers bilayer coatings on TNT for orthopedic implant applications Mrs.SASIREKA PERIYAR UNIVERSITY, India
765	CP-780	654	Sunlight-driven Photocatalytic Activity of CaTiO ₃ :Ag Nanocomposites for the Degradation of Rhodamine B Ms.veena Lalan University of Kerala, India

766	CP-781	667	Synthesis and mechanistic investigation on the photoluminescence and photocatalytic properties of ZnO-SnO ₂ nanocomposites Ms.AMRITA PALAI CENTURION UNIVERSITY, India
767	CP-782	668	Hydrothermal synthesis of α -MnO ₂ supported-B doped g-C ₃ N ₄ as a ternary Photocatalyst for methylene blue degradation Mr.D.EDWARD CHRISTY Bishop Heber College, India
768	CP-783	674	PHYSICOCHEMICAL STUDIES ON AQUEOUS SOLUTIONS OF CETYL PYRIDINIUM CHLORIDE (CPC) WITH SACCHARIDES (FRUCTOSE, LACTOSE AND SUCROSE) AT DIFFERENT TEMPERATURES Dr.N CHITHRALEKHA Knowledge Institute of Technology, India
769	CP-784	678	A facile preparation of spinal Zn ₂ TiO ₄ nanocomposite by controlling surfactant and their photocatalytic activity of dye under visible light Dr.P Santhoshkumar Dongguk University KOREA, REPUBLIC OF
770	CP-785	707	Effective degradation of Chloramphenicol by graphene based heterogeneous catalyst in aqueous solution under a suitable condition Ms.Meerambika Behera KIIT, India
771	CP-786	711	Enhanced photocatalytic activity of ZnO hexagonal tube/r-GO composite on degradation of organic aqueous pollutant and study of charge transport properties Mr.Prabhu S Periyar University, India
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773	CP-788	746	Synthesis of RuO ₂ /CNT based binary nanocomposites: One stop solution for the energy crisis and waste-water remediation Mr.AMANVIR SINGH DCRUST MURTHAL SONIPAT, India

774	CP-790	767	Investigation of the Thermal Conductivity of Silver-modified Zirconia Nanocomposite for Heat Transfer Application Mrs.Rohinee Manish Barai Poornima University Jaipur, India
775	CP-791	784	Macro-/Meso-Macro-/Meso-Porous Polymer Monoliths as Adsorptive Support for CeO ₂ /CaO Nanocomposite Dispersion for Visible Light Polymer Monoliths as Adsorptive Support for CeO ₂ /CaO Nanocomposite Dispers Mr.ASU Satya Prasad Vellore Institute of Technology, India
776	CP-792	786	Design and photocatalytic properties of ZnO/CuO/rGO ternary nanocomposites for Photocatalytic Organic Dye Degradation Mr.Prabhuraj.T Periyar university, India
777	CP-793	811	SYNTHESIS AND CHARACTERIZATION OF PHYTO MEDIATED ZEOLITE NANOCOMPOSITE BY WET CHEMICAL REDUCTION METHOD Dr.R.Ramamoorthy Tamil Nadu Agricultural University, India
778	CP-794	820	Molecular interaction on aqueous solution of Sodium Lauryl Sulphate (SLS) with Saccharides (Fructose, Lactose and Sucrose) at different temperatures Dr.A Panneerselvam Vivekanandha College of Engineering for Women, India
779	CP-795	880	Enhanced photocatalytic and Dielectric properties of a ternary graphitic carbon nitride (g-C ₃ N ₄) based Zinc Oxide (ZnO)/Chitosan (Cs) nanocomposites Mrs.Gayathri M SRM IST, India
780	CP-796	882	Mr.S Prathipkumar National Institute of Technology, India
781	CP-797	890	Computational simulation of 3D bone Nano composite Scaffold for Biomedical Implant Application Ms.KAAVYA P SRM institute of science and technology, India

782	CP-798	891	Thermo acoustical behaviour on aqueous solutions of Anti – Influenza viral drugs in different pH Dr.PUNITHA S PAVAI COLLEGE OF TECHNOLOGY, India
783	CP-799	893	Electrochemical Deposition of Shape Different Pt Nanoparticles on Reduced Graphene Oxide Film for Nonenzymatic Glucose Electrooxidation and Sensing Dr.SARAVANAN GENGAN KL DEEMED TO BE UNIVERSITY, India
784	CP-800	901	Ir95-xPd5Pt _x tri-metallic bifunctional materials as catalysts electrochemical activity for Oxygen Evolution/Reduction Reactions Mrs.M Geetha Lakshmi University of Madras, India
785	CP-801	908	Electrical properties of carbon Nano fiber cement mortar under different curing media and different temperatures Dr.R Gopalakrishnan SRMISTKTR, India
786	CP-802	909	Green-emitting Nitrogen doped carbon dots (N-CDs) from Indigofera tinctoria and their application in catalytic degradation of organic dyes Mr.VINOTH KUMAR J SRM Institute of science and technology, India
787	CP-803	910	Evaluating resistance of micro and nano silica in white Portland cement mortar against combined chloride and sulfate attack Mr.R Gopalakrishnan SRMISTKTR, India
788	CP-804	920	Mrs.Nitika Tiwari KIIT Deemed to be University Bhubaneswar, India
789	CP-805	964	Shielding Effect of Pulverized Borax Decahydrate against the Gamma and Neutron Radiation Shielding Efficiency of Bio- Caulk Incorporated High Performance Concrete (HPC) Mr.R. Suriyaprakash SRM Institute of Science and Technology, India
790	CP-806	970	Mr.D R KarthikS RMIST, India

791	CP-807	971	Synthesis of CoTiO ₃ nanoparticles by solid-state method and its catalytic activity on the hydrogen storage properties of MgH ₂ Dr.Mohammad Ismail Universiti Malaysia Terengganu MALAYSIA
792	CP-808	978	Green synthesis of Zinc Oxide nanoparticles, antibacterial studies and investigation as catalyst for the conversion of pumpkin oil into Biodiesel Mr.Rudreshappa G E Tumkur University and SIT Tumkur, India
793	CP-809	979	A facile route to transfer Cu nanoparticles to organic medium for better stabilization and improved photocatalytic activity towards N-formylation reaction Ms.Jayeta Maity Calcutta University, India
794	CP-810	998	Influence of Electronic Transport in Na-Glass Dispersed Ag ₂ SO ₄ Composite Electrolyte on Electrochemical SO ₂ Gas Sensor Performance Dr.Jasmirkaur Randhawa Government College of Engineering Nagpur , India , India
795	CP-811	1011	Antifouling efficacy of PDMS CuO nanocomposite Dr.Padmavathi Bhabha Atomic Research Center, India
796	CP-812	1015	Morphology of ZnO triggered versatile catalytic reaction towards CO ₂ fixation and acylation of amines at optimized reaction conditions Mr.Atanu Sahoo University of calcutta, India
797	CP-813	1018	Synthesis, microstructure characterization and thermal properties of the phosphoric acid and sodium hydroxide mediated metakaolin geopolymer. Dr.Sivasakthi M SRM Institute of Science and Technology, India
798	CP-814	1020	Carbazole Terminal Phenylene Core Imine Skeletal Nanosilica Reinforced Polybenzoxazine (nSiO ₂ /PBZ) Hybrid Nanocomposites Dr.S G GUNASEKARAN SRM Valliammai Engineering College, India

799	CP-815	1024	Photocatalytic tetracycline-antibiotic degradation under UV light irradiation by supported hierarchical TiO ₂ nanoarchitecture Mr.Hinostroza Mojarro Jua Instituto Tecnológico de Tijuana MEXICO
800	CP-816	1053	Effects of Silver Doping in the Structural and Optical Properties of Hematite (α -Fe ₂ O ₃) Synthesized via Chemical Precipitation Method Mr.Mon Bryan Gili Philippine Nuclear Research Institute PHILIPPINES
801	CP-817	1055	Influence of conducting polymers on peroxidase mimic activity of ZnFe ₂ O ₄ nanospheres for sensing H ₂ O ₂ and ascorbic acid Mrs.Navadeepthy bharathiar University, India
802	CP-818	1076	Microwave assisted synthesis of ZnAl-LDH/g-C ₃ N ₄ composite for photocatalytic degradation of ciprofloxacin antibiotic under visible light Mr.Gandamalla Ambedkar National Institute of Technology Warangal, India
803	CP-819	1108	Microwave assisted Copper Sulfide/reduced graphene oxide nanocomposites with enhanced electrocatalytic properties for dye sensitized solar cell application Dr.K D Nisha SRM IST, India
804	CP-820	1110	Removal of carcinogenic dye using coir-pith and Fe ₂ O ₃ embedded sodium alginate beads Mrs.Nitika Tiwari KIIT University, Bhubaneswar, India
805	CP-821	1117	Morphological controlled synthesis of ZnO-CoO nanorods for enhanced photocatalytic activity under visible light irradiation Dr.Ganesan Vel Tech University Avadi Chennai, India
806	CP-822	1123	Investigation on synthesis and characterizations of cobalt doped ceria (Co:CeO ₂) nanoparticles by solution combustion technique Ms.EZHILARASI S B PACHAIYAPPA S COLLEGE, India

807	CP-823	1147	Synthesis and characteristic studies on pure and nano silver oxide doped Polypyrrole Ms.M VinithaCEG, Anna University, India
808	CP-824	1151	A Structural and ac conductivity study on Li doped ZnO Ms.karthika DAMrita vishwa vidhyapeetham Coimbatore, India
809	CP-825	1160	Not Applicable Mrs.SIVESWARI AVELS UNIVERSITY, India
810	CP-826	1175	Improvisation of hydrogen production efficiency of graphitic carbon nitride via efficient charge carrier using transition metal mediators Mrs.Nithya ThangavelResearch Institute, India
811	CP-827	1199	Multiwalled Carbon Nanotubes Grown Over Iron Nanocatalyst for Solid State Supercapacitors Mr.Prince Kumar Maurya, India n Institute of Technology BHU, India
812	CP-828	1209	Comparative Fermiology Study of PbBi ₂ Te ₄ and SnBi ₂ Te ₄ 3D Topological Insulators Mr.PRIYANATH MALGURU GHASIDAS VISHWAVIDYALAYA, India
813	CP-829	1210	Carbon dot doped photo responsive azobenzene Clay nanocomposite with tunable electrical properties Ms.JAHNABI GOGOIIINSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOL, India
814	CP-830	1212	Multifunctional Fe ₃ O ₄ Decorated Graphene Nanosheets for Environmental Remediation Mr.Theertharaman University of Madras, India
815	CP-831	1214	Treatment of potentially-acid forming (PAF) rocks and copper ore from a polymetallic mine operation in the Philippines with natural zeolite Prof.Diosa Marie Aguila Batangas State UniversityPHILIPPINES

816	CP-832	1227	Multifunctional Copper Oxide –Chitosan Nanocomposites: Antibacterial and Anticancer Activities Mrs.RESMI.R KSMDDB COLLEGE, India
817	CP-833	1235	The effects on durability and mechanical properties of nano-CaCO ₃ and Copper slag additive OPC mortar exposed to combined chloride and sulfate attack Dr.R Gopalakrishnan SRMISTKTR, India
818	CP-834	1238	Effect of nano-silica to improve the mechanical and durability properties of fiber reinforced high-volume processed sugarcane bagasse ash cement mortar Mr.R Gopalakrishnan SRMISTKTR, India
819	CP-835	1241	Effect of TiO ₂ , Al ₂ O ₃ and CaCO ₃ Nano-Additives in Singular, Binary and Ternary Forms on the Mechanical and Durability Properties and Microstructure of Copper slag Supplemented Cement Matrix Mr.R Gopalakrishnan SRMISTKTR, India
820	CP-836	1242	Designing Ultra-Thin 2D Black Titanium oxide Nanosheets for Efficient Light Harvesting Ms.Arsha Thampi S R M INSTITUTE OF SCIENCE AND TECHNOLOGY, India
821	CP-837	1247	Unprecedented SPEEK-trimetal oxide composites: Physicochemical and electrochemical performance in fuel cell Dr.GANDHIMATHI SRM VALLIAMMAI ENGINEERING COLLEGE, India
822	CP-838	1249	Facile solution method for the synthesis of ZnO/Graphene composite and their application in photocatalytic dye degradation of Methylene Blue under daylight Dr.VASANTHI V National Institute of Technology Tiruchirappalli, India
823	CP-839	1252	Durability Studies of Fly Ash-Cement Mortars Reinforced with Polycarboxylate Superplasticizer Stabilized Graphene Oxide Ms.Ramanjit Kaur NIT Jalandhar, India

824	CP-840	1254	Study of photo detection response of decorated nanoflower structure formed by doping Si in ZnO. Mr.Farhan Ahmad Jamia Millia Islamia, India
825	CP-841	1256	Mrs.B PADMADEVISMIST KATTANKULATHUR, India
826	CP-842	1276	Effect Of Porous Matrix Towards Enhanced Photocatalysis In TiO ₂ -Ag Nanocomposites Ms.Dipali Roy University of Calcutta, India
827	CP-843	1286	Synthesis and Characterization of Philippine natural zeolite (PNZ)-copper (II) oxide (CuO) nanowire composites for hydrogen sulfide (H ₂ S) gas adsorption Ms.Eleanor Olegario University of the Philippines DilimanPHILIPPINES
828	CP-844	1287	Hybrid organic inorganic luminescent hydrazoneSchiff bases assembly: Synthesis, characterization and photophysical studies Ms.MUTHULAKSHMI V SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
829	CP-845	1289	Cyclophosphazene anchored with ferrocene via hydrazone motifs: Synthesis, characterization and electrochemical studies Mrs.MANIYAMMAI S SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
830	CP-846	1301	Heterogenized Schiff bases of 3-hydroxyquinoxaline-2-carboxaldehyde: Potential catalyst for removing phenol from effluent media Dr Suja N RMaharajas CollegeErnakulam, India
831	CP-847	1304	Effect of PPy concentration on the photoluminescence of PPy-PMMA blends: Observation of acceptor concentration dependent FRET Ms.Smita Dey IIT ISM Dhanbad, India

832	CP-848	1309	Thermoelectric performance of CdS-ZnO nanocomposites for heat energy harvesting Ms.betty Lincoln SRMIST, India
833	CP-849	1319	Photocatalytic degradation of organic dye by Cd-Fe doped ZnO nanoparticles Dr.H. G. Anil kumar PES University, India
834	CP-850	1327	Mr.K Silambarasan SRM IST, India
835	CP-851	1336	Mr.Prakash SRM university KTR Campus, India
836	CP-852	1358	Fabrication and Optical Characterization of Electrospun One Dimensional TiO ₂ / poly (styrene-co-methyl methacrylate) Nanofiber Composite Mrs.VINITHA VARKEY St Berchmans College Chanaganasserry, India
837	CP-853	1359	Spinel NiCo ₂ O ₄ /Polypyrrole Nanocomposite as an electrocatalyst support for Oxygen Evolution and methanol oxidation Reactions Dr.Rebekah A Bharathiar University, India
838	CP-854	1360	One pot synthesis of g-C ₃ N ₄ /Ag/ZnO nanocomposite for photocatalytic applications Mr.Pavan P GotipamulSRM IST, India
839	CP-855	1362	Comparative optical analysis of the hybrid ZrO ₂ Nano structure decorated with the MWCNT network and the RGO structure Mrs.Rana Tabassum Jamia Millia Islamia, India
840	CP-856	1369	Synthesis and characterization of Rare earth metal modified tungsten trioxide photocatalyst for degradation of organic pollutants in waste water Ms.POOJA NEHRA DCRUST Murthal Sonipat Haryana, India
841	CP-857	1374	Ru grafted BN/WO ₃ Heterostructurebased Corrosion resistant MIS system for Proton Exchange Membrane Fuel Cell Application Ms.Pavithra P PSG Institute of Advanced Studies, India

842	CP-858	1393	Evaluation of corrosion inhibition efficiencies of Poly(o-aminothiophenol) and Poly(o-aminothiophenol)/CuO nanocomposites on mild steel in 1M HCl solution Ms.Anto Maria Jeraldin U Auxilium College, India
843	CP-859	1395	Synthesis and characterization of NiFe ₂ O ₄ /ZnO composites for dye degradation Ms.Tripta DCRUST Murthal Sonipat Haryana, India
844	CP-860	1396	Finding NIR Absorbance of a Selective Defect Metal Sulfide Ms.MANJU C P SRM IST, India
845	CP-861	1405	Visible light induced photo-catalytic degradation of organic dyes using metal sulphides Ms.Jaya NIT kurukshetra, India
846	CP-862	1425	Development of Low formaldehyde adhesive for agro forestry product by nano particle reinforcement Dr.RANJANA YADAV IPIRTI, India
847	CP-863	1431	Investigation on structural, optical, morphological and elemental properties of perovskite BaSnO ₃ – reduced graphene oxide nanocomposite Mr.VENKATESH GSVM College, India
848	CP-864	1433	One-pot facile synthesis of ZnSe for enhanced visible-light-assisted photocatalytic degradation of methylene blue dye Ms.Tripti Gupta National Institute of Technology, India
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850	CP-866	1436	Metal Germanium Oxide electrocatalysts for Multifunctional Energy conversion Mr.Hyeonuk Choi Chonnam National University KOREA, REPUBLIC OF
851	CP-867	1448	Mr.N Vijaya Kumar KLE Technological University, India

852	CP-868	1453	Effect of SnO ₂ nanoparticles on the structure and dielectrical properties of HDPE polymer nanoparticles Ms.Anu M A University of Kerala, India
853	CP-869	1463	Comparative study of structural and electrical properties of MWCNTs based nanocomposites synthesized by co-precipitation and hydrothermal method Ms.Nirmala Rani national institute of technology kurukshetra, India
854	CP-870	1478	Synthesis, Characterization and Photocatalytic activity of Europium doped Cerium oxide nanoparticles by Chemical Precipitation Method Ms.Keerthana M SRMIST, India
855	CP-871	1483	Investigation and morphological controlled synthesis hierarchical ZnO nanoflakes for environmental remediation Dr.Murugesan Ganesan Vel Tech University Avadi Chennai, India
856	CP-872	1493	Investigations for the multiferroic properties of Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ -Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ composites Mr.Mandeep singh department of physics, punjabi university, India
857	CP-873	1497	Characterization of Pulverized Boric Acid and Radiation Shielding Properties on High Performance Concrete (HPC) Mr.R. Suriyaprakash SRM Institute of Science and Technology, India
858	CP-874	1502	Experimental Investigations on Mechanical and Wear Characterization of Nano TiO ₂ Particle Reinforced Al ₂ Ti ₂ Alloy Nano Metal Composites for Aerospace Applications Dr.Satish Babu Boppana Presidency University Bengaluru, India

859	CP-875	1503	Synergic Approach for Synthesis of Smart Flexible Polymer Nanocomposites using PVDF PMMA Blend with Zirconium dioxide Nanoparticles Ms.Grande Kusuma Priya Government College Autonomous Anantapur, India
860	CP-876	1521	Photocatalytic Self-Cleaning and Stain Removing Properties of Carbon Nitride /Polypyrrole Composite for Smart Textile Application Mrs.Prathiba Meganathan Periyar University, India
861	CP-877	1522	Metal-organic framework/g-C ₃ N ₄ composite for visible-light-driven photocatalytic degradation of organic and inorganic pollutants Mr.Dhanaprabhu pattappan Bharathiar University, India
862	CP-879	1536	Optical, mechanical and structural properties of silver nanoparticle embedded barium metaphosphate glasses Dr.MANOJ KUMAR N Payyanur College, India
863	CP-880	1543	Dynamic Mechanical Behaviour of Basalt/Aramid Hybrid fibers reinforced UHMWPE light weight composites Dr.A. Arul Jeya Kumar SRMIST KTR, India
864	CP-881	1547	Selective Oxidation of Benzyl alcohol to Benzaldehyde over Cu _x Fe _{3-x} O ₄ using tetra-butylhydroperoxide as an oxidant Mr.Ayyappan Arjunan VITChennai Campus, India
865	CP-882	1551	Investigation of Sb ₂ S ₃ /carbon nanocomposite as an electrocatalyst for enhancing Oxygen Evolution Reaction Mr.MURUGAN R Department of Nanoscience and Technology, India
866	CP-883	1572	Combined effects of modified atmosphere packaging and essential oil vapors on the control of anthracnose disease and quality maintenance in two mango cultivars Dr.ANAND BABU PERUMAL SRM Institute of Science and Technology, India

867	CP-884	1574	Sunlight-driven Photocatalytic Degradation of Rhodamine B using Copper Nickel Oxysulfide Mr.VASANTHA KUMAR P MADURAI KAMARAJ UNIVERSITY, India
868	CP-885	1584	Enhanced Sunlight Photocatalysis of Au/CdxZn1-xS Nanocomposites Mr.Pavan P Gotipamul SRM IST, India
869	CP-886	1594	NANOCOMPOSITES FOR ELECTROMAGNETIC INTERFERENCE SHIELDING APPLICATIONS Ms.Gujjeti Mrunalika Kakatiya Institute of Technology and Science, India
870	CP-887	1603	Comparative Study of Polymer Nano Composites: PTh-nNiO and PTh-nAg2O for Electrode Applications Mrs.Meenatchi G K Anna University, India
871	CP-888	1606	Synthesis and fabrication of fluorescent green OLEDs based on PEDOT:PSS/Silver nanowire hybrid-composite anode and their performance Dr.Eswaramoorthy K Varadh, Indian Institute of Information Technology,DM,Kurn, India
872	CP-889	1615	Ni-doped g-C3N4/MXene composite for enhanced Hydrogen Evolution Reaction Ms.G Srividhya Bharathiar University, India
873	CP-890	1636	Preparation and Characterization of Cadmium Sulfide/reduced Graphene Oxide (CdS/rGO) Architecture towards Environmental Remediation Applications Mr.VASANTHA KUMAR P MADURAI KAMARAJ UNIVERSITY, India
874	CP-891	1643	Nano composites for piezoelectric energy harvesting applications Mr.Madhava KITS warangal, India

875	CP-892	1644	Enhanced of multiferroic properties of Bi _{0.84} Ce _{0.16} FeO ₃ nano photo-catalyst Mr.Praveen Kumar NIT Kurukshetra and Ch Bansilal Govertment College, India
876	CP-893	1654	Biomolecule assisted AgBiS ₂ @rGO composite for low cost Pt-free counter electrode for DSSCs applications Mrs.Sugarthi S SRM Institute of Science and Technology, Kattankul, India
877	CP-894	1660	Investigation on electrochemical and photovoltaic performance of the influence of graphitic carbon nitrides in AgBiS ₂ for Pt-free counter electrode in DSSCs Mrs.Sugarthi S SRM Institute of Science and Technology, Kattankul, India
878	CP-895	1667	Photocatalytic Activity of Thermal Plasma Synthesized Fe doped ZnO Nanostructures Dr.Nawale Ashok Bhanudas GVISH Amravati, India
879	CP-896	1668	Photocatalytic degradation of Malachite Green dye under solar light irradiation using ZnO and ZnO-TiO ₂ nanoparticles Mr.Tapas Ranjan Sahoo KIIT Deemed to be University, India
880	CP-897	1674	Microwave synthesis of MOF composite for catalytic reduction Ms.Anjali Meshram BITS Pilani Goa, India
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882	CP-899	1687	Synthesis and Characterization of effective g-C ₃ N ₄ /ZnO Nanocomposites for Photocatalytic Dye degradation Mr.SARAVANAN S SRMIST, India
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889	CP-906	1804	Thermal conductance of hole-like fractional quantum Hall State in bilayer grapheme Mr.SAURABH KUMAR SRIVASTA, Indian Institute of Science Bengaluru, India
890	CP-908	1832	Hydrolysis of fruit waste using Ionic Liquid functionalized magnetic carbonaceous catalyst for bioethanol production Ms.Hemalatha M Anna university, chennai, India
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892	CP-910	1841	Hydrolysis of fruit waste using Ionic Liquid functionalized magnetic carbonaceous catalyst for bioethanol production Dr.Brinda Lakshmi A Anna university, chennai, India
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895	CP-913	1852	Sol-Gel Synthesis and optoelectrical features of Soft ferromagnetic oxide system $Gd_{4-x}Ca_1-xFe_{5-x}Zn_xO_{14}$ d $[0 \leq x \leq 0.45]$ Mr.VENKATESAN THANGARAJ GOVERNMENT ARTS COLLEGE TIRUVANNAMALAI, India
896	CP-914	1853	EFFECT OF METAL OXIDE NANO COMPOSITE ON THE ELECTRICAL PROPERTIES OF PVA BASED SOLID ELECTROLYTE FILM Dr.KARTHIK S GOVERNMENT ARTS COLLEGE TIRUVANNAMALAI, India
897	CP-915	1864	Reduced Graphene Oxide wrapped α -Mn ₂ O ₃ / α -MnO ₂ Nanowires for Electrocatalytic Oxygen Reduction in Alkaline Medium Mr.GOKULADEEPAN SRMIST, India
898	CP-916	1871	Dr.S Rajeshkumar Saveetha Dental College SIMATS, India
899	CP-917	1872	Optimized Performance of Nickel in Crystal-layered Arrangement of NiFe ₂ O ₄ /rGO Hybrid for High-performance Oxygen Evolution Reaction Mr.Pratik Vitthal Shinde Jain University, India

900	CP-918	1883	Hydrothermally Synthesized Bimetallic PdSn Hollow Alloy Nanoparticles Prepared by Auto-Galvanic Replacement Process for Efficient Hydrogen Evolution Reaction Mr.ANKUR KUMAR University of Delhi, India
901	CP-919	1889	Prussian Blue Analogous $\text{Na}_2\text{Ni}_{0.4}\text{Co}_{0.4}[\text{Fe}_{0.5}(\text{CN})_6]$ Nanoparticles as Cathode Material for Non-Aqueous Na-ion Batteries Mr.Vivek Paulraj SRM Institute of Science and Technology, India
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904	CP-922	1918	Carbon doped Sodium/hydrogen Titanate Nanorods for Enhanced Solar hydrogen production Mr.Vijayarajan VS SRM Institute of Science and Technology, India
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911	CP-929	1937	Na-Mediated Charge transfer Channels in polymeric g-C ₃ N ₄ for Enhanced Photocatalytic Hydrogen Production Ms.Rugma TP SRMIST, India
912	CP-930	1938	Efficient photocatalytic hydrogen production activity of g-C ₃ N ₄ /CuFe ₂ O ₄ photocatalyst under UV-Vis irradiation. Mr.Rishi Krishna SRM IST, India
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917	CP-935	1983	Influence of Mn doping on structural, optical and photocatalytic properties of Zinc Selenide (ZnSe) nanoparticles by hydrothermal method Mrs.D V Sridevi SRM Institute of Science and Technology, India
918	CP-936	1990	Investigations on Structural, Optical studies and morphological of Graphene oxide- Manganese dioxide nanocomposites for the degradation of Methylene blue dye Dr.M BEAULA RUBY KAMALAM The American College, India
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923	CP-941	2016	Hydrothermal Synthesis of Zinc Vanadate Nanostructure synthesis characterization and Electrochemical Supercapacitance Property Mrs.Muthamizh S University of ConcepcionCHILE
924	CP-942	2017	Synthesis and characterization of cerium doped tungsten disulphide/tungsten oxide nanohybrid for detection of uric acid in biological fluids Mrs.Sangavi. R srm university, India

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926	CP-944	2044	Design of New-Age Visible-light Photocatalyst using Heterojunctions of CuBi ₂ O ₄ /BiOCl Nanocomposites that are Decorated on a Porous Polymer Monoliths Ms.Dhivya J VIT UniversityVellore, India
927	CP-945	2046	Study on Electrical Transport and Relaxation Process of Ceramic-Based Nanocomposites of (1-x) BiFeO ₃ -xCoFe ₂ O ₄ (x=0.0, 0.2, 0.5, 0.8,1.0) Mr.Huidrom Hemanta Singh Manipur University, India
928	CP-946	2051	Carbon based Nanocatalyst Design using Machine Learning: Hydrogenation of Cinnamaldehyde Case Study Dr.Manishkumar Yadav Institute of Chemical Technology, India
929	CP-947	2061	Structural, Elemental and Dielectric Properties of AA 2024 Reinforced With Carbon Nanotubes and Silicon Hybrid Metal Matrix Nanocomposites Mr.M. MUNIYAPPAN PHYSICS, India
930	CP-948	2070	Design and Fabrication of Knee Implant Mr.Manoranjana Mishra Birla institute of technology patna, India
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933	CP-951	2088	Synthesis and characterization of Schiff base ligand capped silver nanoparticles and its catalytic, sensing, and biological applications Dr.P. SUNITHA MANJARI University College of Science, Saifabad, Osmania U, India
934	CP-952	2102	Bismuth doped nickel cobalt based aerogel for methanol oxidation reaction Mr.Naveen Kumar T R SRM IST, India
935	CP-953	2135	Studies on Optical and Electrical Properties of MoS ₂ Nanoparticles and Polyaniline based Nanocomposites Mr.JEEVAGAN K SRM INSITITUTE OF SCIENCE AND TECHNOLOGY, India
936	CP-954	2138	Enhanced Electrochemical Performance of Co doped MoS ₂ on Nitrogen, Sulphur dual doped reduced graphene oxide for Supercapacitor Application Mr.S. silambarasan srm ist, India
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938	CP-956	2174	NiO/gCN Composite as a Catalyst for Ammonium Perchlorate Decomposition: Exploring the Effect of Synthesis Routes Mrs.Gladiya Mani School of Chemical Sciences, India
939	CP-957	2175	Synthesis and characterization of Schiff base ligand capped silver nanoparticles and its catalytic, sensing, and biological applications Mrs.Suneetha Gorkanti Osmania University, India
940	CP-958	2177	Direct Electrochemistry of Glucose Oxidase immobilised on PEDOT:4-Sulfocalix [4] Arene/MXene Composite Electrode for Glucose Sensing Ms.Preethika M SRM IST, India

941	CP-959	2192	Magnetite cross-linked inulinase aggregates: A simple method to prepare stable and recyclable nanobiocatalyst for the production of fructose syrups from biomass Ms.Rashmi Lenin SRM Institute of Science and Technology, India
942	CP-960	2197	Improved Light Efficiency of Silicon Based Solar Cells by Spin Coated CuO, ZnO, and CuO/ZnO Nanocomposite Materials Dr.Anindita Chatterjee Raghu Engineering College, India
943	CP-961	2205	Non-enzymatic electrochemical sensor based on NiO/Ag film for the detection of the nitrite for profiling kidney diseases Ms.Oinam Robita Chanu SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
944	CP-962	2215	Protonated-g-C ₃ N ₄ modified Lanthanum cobaltite nanostructures for photocatalytic applications Mr.K SATHIYAMOORTHY SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
945	CP-963	2227	Effect of Bi incorporation on LaCoO ₃ nanostructures for enhanced optical and Photocatalytic properties Mr.K SATHIYAMOORTHY SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
946	CP-964	2244	Synthesis of Reduced Graphene Oxide and Bismuth Oxide Nanocomposite for the improved degradation of Methyl orange dye Mr.L Ganesh The American College, India
947	CP-965	2247	Preparation of reduced Graphene Oxide-Copper Tin Sulphide Nanocomposites for Photovoltaic Application MrsV MENAKA Annamalai universality, India
948	CP-966	2249	Investigation on Copper Niobium Oxide Photocathode and its PEC performances Mr.Balasubramanian V Manonmaniam Sundaranar University Tirunelveli, India

949	CP-967	2262	Effect of functionalised Graphene nanoplatelets on the mechanical performance, thermo-oxidative ageing and thermal stability of bromobutyl-natural rubber blends. Dr.Senthilvel K Karaikal Government Polytechnic College, India
950	CP-968	2269	Exploration on structural and optical properties of strontium (Sr) substituted bismuth ferrite (BiFeO ₃) nanostructures for environmental remediation Dr.Bharathkumar S SRM IST KTR, India
951	CP-969	2276	Facile fabrication of the porous Cu-WO ₃ /g-C ₃ N ₄ based Z-scheme heterostructure photocatalyst for methylene blue (MB) dye degradation Mr.v s manikandan SRM IST, India
952	CP-970	2288	Fabrication of α -Fe ₂ O ₃ nanoparticles composite with MoS ₂ nanosheets for enhanced photocatalytic activity Ms.Supraja R Madras Christian College, India
953	CP-971	2295	Simplistic fabrication of magnetically separable (2-D) protonated graphitic carbon nitride photocatalysts for environmental remediation application Ms.Jenny Johnson Madras christian college, India
954	CP-972	2296	Impregnation of 2-Dimensional g-C ₃ N ₄ incorporated with Zinc Ferrite Nanostructures for Dye Degradation Application Ms.Rithikaa T Madras Christian College, India
955	CP-973	2301	Development of AA6061-B ₄ C Composite and Study the Effect of Heat Treatment on its Mechanical Properties Mr.RAJVIR SINGH PEC chandigarh, India
956	CP-974	2302	CuO-NiO-TiO ₂ nanocomposites an effective catalyst for environmental remediation Dr.Pratibha V Bakre Parvatibai Chowgule College Margao Goa, India

957	CP-975	2309	Boosting the specific capacitance of nickel oxide composite with rGO for supercapacitor application Mr.Silambarasan Kuppusamy SRM IST, India
958	CP-976	2322	Effect of temperature and time in growth mechanism of strontium oxide for enhancement in electrochemical property Mrs.krithiga selvam T N.M.S.S.V.N College, Madurai, India
959	CP-977	2332	Investigation on electrochemical property and specific capacitance of CoS ₂ @MoS ₂ core-shell Mrs.krithiga T N.M.S.S.V.N College, Madurai, India
960	CP-978	2335	Synthesis, Characterization of AlPO ₄ based Nanoporous Solid Acid and its Catalytic Applications for CO ₂ decomposition Mrs.KARTHIKA DEVI Manonmaniam sundaranar University, India
961	CP-979	2346	2D materials as fillers for Polymer nanocomposite based Fractional-order Capacitors (FOCs) Mr.Zaid Mohammad Shah University of Kashmir, India
962	CP-980	2347	Fabrication of bismuth ferrite nanoparticles incorporated zinc ferrite stacked layers for organic decomposition Dr.Bharathkumar S SRM IST KTR, India
963	CP-981	2348	Enhanced photocatalytic activity of MoS ₂ /LaCoO ₃ nanocomposite for efficient organic dye degradation under direct sunlight irradiation Mr.JAYAPANDI S Madurai Kamaraj University, India
964	CP-982	2356	Synthesis and Characterization of Copper substituted Zinc Oxide Photo Catalyst Dr. G.K. Naik Parvatibai Chowgule College of Arts and Science, India

965	CP-983	2357	Cardanol pendent thiophenyl end capped Imine skeletal MWCNT reinforced polyimide (MWCNT/PI) Nanocomposites from Cashew nut shell liquid (CNSL) Mrs.MEERA M SRM VALLIAMMAI ENGINEERING COLLEGE, India
966	CP-984	2361	CuO/MoS ₂ /rGO ternary composite as a synergic Sonophotocatalyst for the degradation of Tetracycline and Ciprofloxacin antibiotics Mr.Stephen Selvamani P Loyola College, India
967	CP-985	2364	Study on the influence of experimental factors on the catalytic ability of reduced graphene oxide Ms.USHA RETHIRAJ COLLEGE FOR WOMEN, India
968	CP-986	2376	Hydrated h-MoO ₃ nanorods with enhanced electrocatalytic activity for hydrogen evolution Mr.Nipun Research Institute SRMIST, India
969	CP-987	2381	In-situ preparation of Titania/graphene nanocomposite via a facile hydrothermal strategy: A promising anodic material for Li-ion Batteries Mr.Sakshum Khanna Pandit Deendayal Petroleum University, India
970	CP-988	2383	Study of thermo-physical properties of a stable paraffin-Expanded Graphite composite phase change materials for efficient Thermal Energy Storage Mr.sagar paneliya Pandit Deendayal Petroleum University, India
971	CP-989	2403	Synthesis and characterization of Ni-incorporated mesoporous silica material for its potential applications in oligomerization of glycerol Dr.J Ilavarasi Jeyamalar Popes college Autonomous, India
972	CP-990	2404	Novel perspective of AgCu bimetallic alloy nanoparticles decorated BiVO ₄ with synergistic photocatalytic effect Dr.N Srinivasan Arunsanka Sri Sai Ram Engineering College, India

973	CP-991	2406	Formation of Interfacial Reaction Products in Al-4Si-1Mg/SiC Composite Mr.Raghu R Sri Ramakrishna Engineering College, India
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981	CP-999	2468	Physical and Charge Discharge behaviour of Facile PVdF-co-HFP Nanocomposite Polymer Electrolyte for Lithium Ion Batteries Dr.VIJAYAKUMAR VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN, India

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983	CP-1001	2485	Design and photocatalytic properties of ZnO/CuO/rGO ternary nanocomposites for Photocatalytic Organic Dye Degradation Mr.PRABHURAJ T Periyar University, Salem, Tamilnadu, , India , India
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992	CP-1011	2562	Preparation and Characterization of g-C ₃ N ₄ Reinforced Epoxy Nanocomposites Mr.Navaneethakrishnan G K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, India
993	CP-1012	2563	Mechanical and Thermal Properties of Fenugreek Particle Reinforced Polymer Composites with Boric Acid Mr.PARKUNAM N K RAMAKRISHNAN COLLEGE OF TECHNOLOGY, India
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995	CP-1014	2574	Synthesis of Niobium substituted hydroxyapatite/ polycaprolactone biocomposite for tissueSynthesis of Niobium substituted hydroxyapatite/ polycaprolactone biocomposite for Synthesis of Niobium substit Dr.S Ramya Central University of Tamilnadu, India
996	CP-1015	2616	Sonophysical and Sonochemical Effects Jongbok Choi ^{1,2} , Younggyu ¹ Korea University, Seoul, Republic of KoreaKorea
997	CP-1016	2619	Acalypha indica mediated synthesis of Reduced Graphene Oxide nanoparticles and evaluation of its antimicrobial activity against diabetic wound infecting biofilm microorganisms BalashanmugamPannerselvam Centre for Nanoscience and Technology, Anna University, India

998	CP-1017	2620	Synthesis of Highly Efficient g-C ₃ N ₄ Nanostructures Utilizing Modified Cyanuric Acid-Melamine Complex as a Precursor Hossein Fattahimoghaddam University of Ulsan, Nam-gu, Republic of Korea
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1000	CP-1019	2625	Sonophysical and Sonochemical Effects Jongbok Choi ¹ Korea University Republic of Korea
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1015	CP-1034	347	The role of soft magnetic phase (CuFe ₂ O ₄) in BaFe ₁₂ O ₁₉ CuFe ₂ O ₄ composite Mr.Murli Kumar Manglam IIT Patna, India
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1034	CP-1053	881	Effect of incorporation of magnetization in antiferromagnetic Cr ₂ O ₃ by mechanically alloying with α -Fe nanoparticles Dr.SATYA PRAKASH PATI UGC DAE CSR KOLKATA, India
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1039	CP-1058	1075	STRUCTURAL AND MAGNETIC PROPERTIES OF 0.7NiFe ₂ O ₄ -0.3Na _{0.5} Bi _{0.5} TiO ₃ NANOCOMPOSITE Mr.SARATHBAVAN M SRM Institute of Science and Technology, India
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1041	CP-1060	1181	Sustainable Chemical Synthesis for Chromium-doped TiO ₂ Nanoparticles for Spintronics Applications Ms.JYOTI BANSAL Jamia Millia Islamia, India
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1044	CP-1063	1208	Structural, Chemical and Low Temperature Magnetic Properties of Lead Free 0.6NiFe ₂ O ₄ - 0.4Na _{0.5} Bi _{0.5} TiO ₃ Magnetoelectric Composite Dr.Jagadish Kumar G. SRM IST, India

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1135	CP-1157	239	Nitrogen and phosphorous co-doped mesoporous carbon as an efficient electrode materials for supercapacitors Mr.Thangaian Kesavan SRM Institute of Science and Technology, India
1136	CP-1158	246	Two-dimensional N-doped carbon nanosheets for ultra-long-cycling and high energy density electrode for supercapacitors Mr.Arul Saravanan SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1137	CP-1159	250	Ion-transport behavior in tetraethylene glycol dimethyl ether based ion conducting polymer gel electrolytes: Effect of different cations Dr.Deepak Kumar Electronics and Mechanical Engineering School, India
1138	CP-1160	260	Mesoporous Carbon Incorporated FeF ₃ Nanocomposite as Cathode Material for Li-ion Batteries Mr.M Vivekanantha SRM IST, India
1139	CP-1161	279	FT-IR Spectroscopic study and Acoustical properties of Alumina nanofluid in Polyacrylamide solution by Ultrasonic method DR.S.RAVICHANDRAN Sathyabama Institute of Science and Technology, India
1140	CP-1162	288	Non thermal plasma assisted catalysis for CO ₂ conversion to Methanol over Ni-Fe Nano catalyst Mr.Nitesh Govind Joshi SRM Institute of science and technology kattanku, India
1141	CP-1163	292	Synthesis and Characterization of ZnCo ₂ O ₄ for High Performance Supercapacitor Application Ms.NIDHI GYANESHWAR TIWARTHE INSTITUTE OF SCIENCE MUMBAI, India

1142	CP-1164	303	Graphene quantum dots decorated on spinel nickel cobaltite nanocomposite for boosting the supercapacitor electrode material performance Dr.POONAM RANI KHARANGARH UNIVERSITY OF DELHI, India
1143	CP-1165	305	Thermo-physical and acoustical properties of SnO ₂ nanofluids for solar applications Dr.NANDKISHOR NILKANTH PASHRI SAI COLLEGE OF ENGINEERING AND TECHNOLOGY, India
1144	CP-1166	312	Mr.G MURALI SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1145	CP-1167	313	Mr.MURALI GUNASEKARAN SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1146	CP-1168	315	Natural waste derived activated carbons as counter electrodes for dye-sensitized solar cells Mrs.T GAJALAKSHMI SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1147	CP-1169	318	Bio Mass Derived Porous Carbon Materials as Counter Electrode for Dye Sensitized Solar Cells Ms.POORNIMA BH DEPARTMENT OF PHYSICS AND NANOTECHNOLOGY SRMIST, India
1148	CP-1170	319	A series of Pd-doped MIL-101 for enhanced Hydrogen storage Mr.MOTEKAR SHRINIVAS CHAN Sunderrao Solanke Mahavidyalaya, Majalgaon, India
1149	CP-1171	320	Synthesis and Characterization of Prosopis Juliflora Derived Carbons for Supercapacitor Anode Ms.POORNIMA BH DEPARTMENT OF PHYSICS AND NANOTECHNOLOGY SRMIST, India

1150	CP-1172	325	High rate performance of Lithium Nickel Manganese Cobalt Oxide (LNMC) electrode material for supercapacitor applications Mr.UMA SHANKAR VANNAMALAI UNIVERSITY, India
1151	CP-1173	326	Electrochemical evaluation of rGO@Sm/V2O5 nanostructures for supercapacitor applications Dr.GOVINDARAJAN DANNAMALAI UNIVERSITY, India
1152	CP-1174	333	Unveiling New Cathode for High Power Li-ion Battery Systems Mr.Praneash SRM University AP, India
1153	CP-1175	343	Preparation of electrode material using edible oil as precursor for energy storage device Mr.Anurag Tyagi Gautam Buddha University Greater Noida U P, India
1154	CP-1176	352	Asymmetric Supercapacitor Based on Carboxymethyl Cellulose Grafted Mesoporous CoxOy Nanoflakes: A Short Span Hydrothermal Approach Dr.I MANOHARA BABU V S B ENGINEERING COLLEGE KARUR, India
1155	CP-1177	353	Synthesis, growth, structure and characterization of linear and nonlinear optical properties of new hybrid BCCTC single-crystal Mr.V.Ravisankar Physics and nanotechnology, India
1156	CP-1178	357	MnCo2O4 nanowires self-organized microflowers as electrode materials for supercapacitors Mrs.Anjana P M University of Kerala, India
1157	CP-1179	365	Enhanced Seebeck Coefficient Ms.Monika Saxena UGC DAE Consortium for Scientific Research Indore, India
1158	CP-1180	366	Aminosilicate Modified Zinc Oxide Nanorod-Graphene Oxide Nanocomposite Photoanode for Dye-sensitized Solar Cell Mr.Muthusamy Kandasamy Madurai Kamaraj University, India

1159	CP-1181	375	Tailoring of Dielectric and Transport Properties of $C_3H_7NH_3PbIxBr_{3-x}$ Ms.Payal Sengupta Jadavpur University, India
1160	CP-1182	379	Effect of chitosan derived N-doped carbon surface modification on $Na_3V_2(PO_4)_3$ cathode for rechargeable sodium-ion batteries Ms.Nitheesha Shaji Kyung Hee University KOREA, REPUBLIC OF
1161	CP-1183	381	Hierarchical microspheres of MOF derived graphitic carbon/ZnO nanocomposite for enhanced electrochemical capacitive performance Dr.Nichelson A National Engineering College, India
1162	CP-1184	383	Microwave Synthesis of Iron Tin Oxide Nanosheets: Electrochemical Investigation towards Supercapacitor Applications Mr.J. Johnson William The Gandhigram Rural Institute DTBU, India
1163	CP-1185	384	Sb ₂ S ₃ entrenched MWCNT composites as low-cost Pt-free counter electrode for Dye-Sensitized Solar Cells application Mr.JOHN PETER I The Gandhigram Rural Institute, India
1164	CP-1186	390	Enrichment of Photocurrent using PbCdS ₂ Nanorods as a Sensitizer for Bi ₂ Ti ₂ O ₇ based Solar Cells Mr.PRAVEEN ETHE GANDHIGRAM RURAL INSTITUTE DU, India
1165	CP-1187	392	Highly porous tin oxide and reduced graphene oxide nanoflakes as electrolyte additives in aluminium air battery system Mr.Mahendhar MK S Rangasamy College of Technology, India
1166	CP-1188	396	Investigation on the Electrochemical Performance of Graphene tailored in situ XNH_4PO_4 (X=Zn, Mn) Electrodes for Hybrid Supercapacitors Mr.ARUL RAJA The Gandhigram Rural Institute DU, India

1167	CP-1189	399	Synthesis and Characterization of Nickel Sulphide Nanorods by Facile Hydrothermal Method for Supercapacitor Applications Mr.M.Joseph Salethraj Annamalai University, India
1168	CP-1190	400	Effect of the Water Soluble Binder on the Electrochemical Properties for Cathode Materials in Li ion Batteries Mr.Jae Woo Park Kyung Hee UniversityKOREA, REPUBLIC OF
1169	CP-1191	401	Electrochemical performance of carbon-coated sodium iron manganese oxide as a cathode for sodium-ion battery applications Mr.Murugan Nanthagopal Kyung Hee UniversityKOREA, REPUBLIC OF
1170	CP-1192	406	One-pot Synthesis of MoS ₂ Nanoflowers for Thermal Energy Storage Applications Prof.Sujith Kalluri SRM University AP, India
1171	CP-1193	411	Synthesis of perovskite-type SrTiO ₃ nanoparticles for photocatalytic activity and Dye-sensitized solar cell applications Mr.K ARAVINTHKUMAR THE GANDHIGRAM RURAL INSTITUTE, India
1172	CP-1194	420	Layered P3-type Cathode Materials with Superior Performance for Potassium-ion Batteries Dr.Muthu Gnana Theresa Na Kyung Hee UniversityKOREA, REPUBLIC OF
1173	CP-1195	423	High performance of semi-transparent dye-sensitized solar cells using nano - TiO ₂ particle incorporated quasi-solid-state composite polymer electrolyte Dr.K.M MANIKANDAN KCET, India
1174	CP-1196	425	Influence of PVP on Bi ₂₅ FeO ₄₀ microstructures for Supercapacitor and Dye-Sensitized Solar Cells Applications Mr.A MUTHU KUMAR The Gandhigram Rural Institute Deemed University, India
1175	CP-1197	430	Performance of wide band gap amorphous silicon alloys as passivation layer in graded band gap solar structure Mrs.Fatima Rasheed J College of Engineering Trivandrum, India

1176	CP-1198	432	Design and modeling of hybrid solar panel - thermoelectric generator systems for efficient energy harvesting Dr.SUTHA S SRI VENKATESWARA COLLEGE OF ENGINEERING, India
1177	CP-1199	452	Improvement of Thermoelectric Power Factor in CuBO ₂ Incorporated Polyaniline for Thermoelectric Generator Mr.AJIT DEBNATH NIT AGARTALA, India
1178	CP-1200	458	Effect of substrate temperature on charge transport property of Ta ₂ O ₅ cathode buffer layer in inverted polymer solar cells Dr.Jean Maria Fernandes National Institute of Technology Warangal, India

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Track-7, Track 8 and Track 9

1179	CP-1201	460	A review on electrical properties, conduction mechanism of Polyaniline and its effect of doping on conductivity since the last two decades Mr.KAZI HASIBUR RAHMAN IITISM DHANBAD, India
1180	CP-1202	477	Graphene Quantum Dots supported Mo ₃ S ₄ : A perspective candidate for supercapacitor and Pt-free counter electrode Ms.Gayathri Veluchami The Gandhigram Rural Institute, India
1181	CP-1203	478	Tungsten oxide based photoanode modified by cobalt tungstate cocatalyst for solar water oxidation Ms.Piyali Chatterjee NIT Durgapur, India
1182	CP-1204	486	Crystallographic Characteristics and Morphological Properties of Hydrothermally Synthesized MoS ₂ Nanostructured Materials Mr.Naveen Kumar Panjab University Chandigarh, India
1183	CP-1205	491	Structural and Morphological Properties of Hydrothermally Synthesized Flower-like MoS ₂ Nanostructures Dr.Jitendra Gangwar RPS Degree College Balana Mahendergarh Haryana, India
1184	CP-1206	492	Effect of carbonaceous supports (MWCNT, rGO, N-MWCNT and N-rGO) on transition metal doped LaNiO ₃ type perovskites on activity towards ORR and OER in alkaline media Mr.Karlo Ivan Martinez So Instituto Tecnológico de Tijuana MEXICO
1185	CP-1207	493	Probing on MoS ₂ Nanoflowers consisting of Nanosheets: Synthesis to Properties Evaluation Mr.Piyush Siroha RPS Degree College Balana Mahendergarh Haryana, India
1186	CP-1208	497	Mr.Sudipta Choudhury SHIV NADAR UNIVERSITY, India

1187	CP-1209	500	Quaternized polysulfone as anion exchange ionomer for AFC applications: Effect of solid content and functionalization Mr.Luis Javier Salazar Ga Instituto Tecnologico de TijuanaMEXICO
1188	CP-1210	502	Evaluation of Optical Bandgap of Pure and Barium Doped h-YMnO ₃ Manganites Ms.Jyoti Shukla School of Physics Devi Ahilya University Indore, India
1189	CP-1211	504	Preparation of membrane-electrode assemblies for alkaline fuel cells: effect of the ionomeric solution Mr.Alfredo Hernandez Flor Instituto Tecnologico de TijuanaMEXICO
1190	CP-1212	509	Ultra-low Pt loading in PtCo catalysts on Multiwall Carbon Nanotube Catalysts for the Hydrogen Oxidation Reaction Dr.Moisés Israel Gastón Instituto Tecnologico de TijuanaUNITED STATES
1191	CP-1213	514	Calculation of Quantum Capacitance and Pseudo-capacitance of Ti,Nb,Mo,V based Pristine and O-functionalized MXene using Density Functional Theory Ms.Mandira DasIIT Guwahati, India
1192	CP-1214	522	Polymer / Metal Organic Frame Work Hybrid Membrane for Fuel Cell Mr.Ashwin Sidharth NSRM IST, India
1193	CP-1215	533	Significant Enhancement In Thermoelectric Power With Iso- electronic Doping in c-axis oriented MoTe ₂ nanosheets Mr.HASAN AFZALUGC DAE CSR, India
1194	CP-1216	534	Mr.DEEPAK SINGHWAL DCRUST MURTHAL, India
1195	CP-1217	544	A Facile Synthesis of ZnO modified 2D g-C ₃ N ₄ Nanostructures for Enhanced Photocatalytic, Antibacterial, and Anticancer activity Ms.H. LEELAVATHI SRM Institute of Science and Technology, India
1196	CP-1218	551	3D-Printed High Performance Li-Ion Batteries for Wearable Point of Care Testing Devices Mr.Sekar PraveenKyung Hee UniversityKOREA, REPUBLIC OF

1197	CP-1219	572	Exploration of electrocaloric effect and energy density properties in Ho modified NBT – BT lead free ferroelectric ceramics Mr.K.S.K.R. CHANDRA SEKHA Andhra University College of Engineering, India
1198	CP-1220	576	Investigation of charge transport at interfaces in inverted organic solar cells with PEIE interfacial layer Ms.Lubna KhanamShiv Nadar University, India
1199	CP-1221	578	Structural engineering of vertically confined marigold structure of rGO-VSe ₂ hybrid as an advance cathode material for aqueous Zinc ion battery Mr.MUGILAN NARAYANASAMYjiangsu university of science and technologyCHINA
1200	CP-1222	585	Facile One-step Growth of Nickel Sulfide Nano architecture: Efficient Binder free Electrode for Supercapacitor Applications Ms.Sajeeda banu Shaikh Karnatak University Dharwad, India
1201	CP-1223	587	Fabrication of high-performance parallel plate and printed supercapacitors using needle-like cobalt hydroxide nanostructures Mr.Navaneeth PAmrita Vishwa Vidyapeetham, India
1202	CP-1224	592	Surface Coating of LiFePO ₄ with Nitrogen-doped Carbon as a Cathode Material for Lithium-ion Batteries Mr.Gyusang SimKyung Hee UniversityKOREA, REPUBLIC OF
1203	CP-1225	594	Natural green extract for Dye Sensitized Solar Cells on doped TiO ₂ Ms.Nagarani AkkalaJNTU Anantapur, India
1204	CP-1226	606	Surface Modification of the Ni rich Layered Cathode Material for Enhanced Lithium ion Battery Performances Mr.HongKi Kim Kyung Hee UniversityKOREA, REPUBLIC OF
1205	CP-1227	614	NaAlO ₂ active fillers assisted ionic conductivity in sodium ion conducting solid polymer electrolyte Mr.ARVIND KUMAR CHAUHANswami premanand mahavidyalaya mukerian, India

1206	CP-1228	620	Sensing of energetic materials: An Mechanistic study of the interaction between doped Polyaniline and Energetic materials. Mr.SATISH ASHOK TUREDEPT OF CHEMISTRY GULBARGA UNIVERSITY KALABURAGI, India
1207	CP-1229	646	Dr.Gaddam Ramesh University P G College, India
1208	CP-1230	648	One-pot Solution Combustion synthesis of Co ₃ O ₄ /rGO Hybrid Nanostructures for Supercapacitor Application Mr.Pradeep Kumar G University of Kerala, India
1209	CP-1231	653	Electrochemical Performance of Carbon-coated Sodium Iron Manganese Oxide as a Cathode for Sodium-ion Batteries Mr.Nanthagopal Murugan Kyung Hee UniversityKOREA, REPUBLIC OF
1210	CP-1232	655	Energy harvesting and Storage application of Lanthanum doped ferroelectric PZT Thick films Ms.VANDANA University of Delhi, India
1211	CP-1233	671	Electrical analysis of VO ₂ as Counter Electrode based Dye Sensitized Solar Cell Mr.VARSHA YADAV Banasthali vidyapith, India
1212	CP-1234	677	Dielectric studies of a new perovskite based 0.5Ba _{0.8} Sr _{0.2} TiO ₃ .0.5CaCu ₃ Ti ₄ O ₁₂ nano-composite fabricated by the combination of solid state and chemical route Dr.Laxman Singh RRS College Patliputra University Patna, India
1213	CP-1235	682	Morphological assisted MnCo ₂ S ₄ nanostructures for high performance supercapacitors Mr.E Narayanan KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES, India
1214	CP-1236	692	Enhanced acetone sensing properties of Platinum nanoparticles doped mesoporous MoO ₃ /g-CN nanocomposite Ms.Vandna Chaudhary Deenbandhu Chhotu Ram University of Sci and Tech, India

1215	CP-1237	706	Synthesis of MnO ₂ cube /r-GO nanocomposite for high-performance electrochemical supercapacitor application Mr.N Balasubramanian periyar university, India
1216	CP-1238	713	Triboelectric energy harvester for recovering mechanical energy from clutch and Accelerator Mrs.Pramila V Vellore Institute of Technology, India
1217	CP-1239	714	Mrs.Brahmari SRM IST, India
1218	CP-1240	716	Conduction Mechanism of Various SiNWs/rGO-Metal Oxide Nanocomposite Heterojunctions Ms.Rabina Bhujel Sikkim Manipal University, India
1219	CP-1241	736	Dr.Revanasiddappa MPES University Electronic city campus, India
1220	CP-1242	739	Ultralight Flexible Polyaniline Films For Supercapacitor Electrode Applications Mr.Anandhu T P Sanatana Dharma College Alappuzha, India
1221	CP-1243	745	Fabrication and characterization of bifunctional copper-zinc bimetallic tungstate nanoparticles decorated reduced graphene oxide (CuZnWO ₄ – rGO) for high-performance photocatalytic and supercapacitor a Mr.ELUMALAI DHANDAPANI J.K.K. Nataraja College of Arts and Science, India
1222	CP-1244	750	Reduced Graphene Oxide-Polyaniline Composites—Synthesis, Characterization For Supercapacitor Applications Dr.Bibhu Prasad Swain National Institute Of Technology MANIPUR, India
1223	CP-1245	755	Synthesis and characterization of lead tungstate nanoparticles Ms.Asha.sPhysics, India

1224	CP-1246	757	Fabrication and Characterization of Reduced Graphene Oxide/Polyaniline/Poly(Caprolactone) Electrospun Nanofiber Mr.Wahengbam Ishwarchand Educational, India
1225	CP-1247	759	FABRICATION OF TiO ₂ MINERAL SUBSTITUTED FHA Gel Alg COATINGS WITH ENHANCED MECHANICAL, ANTIBACTERIAL AND CORROSION RESISTANCE PROPERTIES Ms.RENJI RAJENDRAN PERIYAR UNIVERSITY, India
1226	CP-1248	762	Mr.KUNDAN D. PATILKETS V G VAZE COLLEGE, India
1227	CP-1249	766	Thermal evolution and optical studies of novel high pressure phase of Silicon Ms.Mannepalli Sowjanya SRM IST, India
1228	CP-1250	770	Enhanced supercapacitive behaviour of porous graphitic carbon derived from coco peat Dr.Veena Ragupathi Hindustan Institute of Technology and Science, India
1229	CP-1251	776	Controlling of RuO ₂ nanostructures by deposition temperature and its effect on structural, morphological and electrochemical properties Dr.Rahul Sadashiv Ingole SBDM Atpadi, India
1230	CP-1252	780	Improved Photocurrent with Photoanode having Bilayer of TiO ₂ Nanorod array and Nanoparticle Structure in Dye Sensitized Solar Cells Mrs.Shobana Mohanasundara Coimbatore Institute of Technology, India
1231	CP-1253	781	Tuned fermi level and improved thermoelectric performance in Bi ₂ Te ₃ /g-C ₃ N ₄ nanocomposites Ms.Shyni P University of Calicut, India
1232	CP-1254	788	Synthesis and characterization of ternary metal sulfide electrodes for supercapacitor application Dr.Poonam Siwatch AKMV, India

1233	CP-1255	801	Comparison Studies of Zn Doped CuO Thin Films Deposited by Manual and Automated NSP System and their Application in Heterojunction Diode Fabrication Dr.JAGADEESAN PSG COLLEGE OF ARTS AND SCIENCE, India
1234	CP-1256	806	Molecular Dynamics Simulation studies of melting of metal nanostructures Mr.Santosh Joshi Univ of Petroleum and Energy Studies Dehradun, India
1235	CP-1257	810	Mrs.KIRITHIGA National Institute of Technology Tiruchirappalli, India
1236	CP-1258	821	Multiple State Emission via Fluorescence and dual Room-Temperature Phosphorescence (RTP) with afterglow in Pyridine-fused Coumarins Mrs.SAHELI KARMAKAR Shiv Nadar University, India
1237	CP-1259	822	Investigation on PVA/CS blend nanocomposite electrolyte membranes as an ionic separator for DMFC applications Dr.Bahavan Palani P Ayya Nadar Janaki Ammal College, India
1238	CP-1260	833	Investigation of ab-initio, Photoluminescence and Electrical characterization of $\text{Li}_2\text{Co}(\text{WO}_4)_2$ Mrs.D L Shruthi Ramaiah Institute of Technology, India
1239	CP-1261	840	Effect of Mn and Fe on Room Temperature Dielectric behavior of $\text{Na}_{0.47}\text{Bi}_{0.47}\text{Ba}_{0.06}\text{Ti}_{0.985}\text{V}_{0.015}\text{O}_3$ Ceramics Ms.koyal Suman samantaray IIT Indore, India
1240	CP-1262	842	Electrical and thermoelectric properties of surfactant assisted calcium cobalt oxide nanoparticles Dr.Berbeth Mary S MAM School of Engineering, Trichy, India
1241	CP-1263	848	EXPERIMENTAL INVESTIGATION OF AN INDIRECT TYPE NANO COATED FLAT PLATE SOLAR COLLECTOR FOR DRYING PURPOSE Mr.SIVAKUMAR S KUMARAGURU COLLEGE OF TECHNOLOGY, India

1242	CP-1264	860	Solid-state supercapacitors using MoS ₂ nanowires as electrode synthesized from the hydrothermal method for energy storage applications Mr.DHIRENDRA SAHOO Shiv Nadar University, India
1243	CP-1265	875	Ms.ANU K National Institute of Technology, India
1244	CP-1266	879	Conductive biopolymer electrolyte pectin with Magnesium salt for application in electrochemical devices Mrs.S.Kiruthika Kongu Engineering College, India
1245	CP-1267	886	Electrochemical energy storage performance of FeCuO ₂ and FeCuSe ₂ directly grown over Ni foam substrate. Ms.RUPA RANJANI P Bharathiar University, India
1246	CP-1268	889	Bismuth Sulfide Photon Absorber as a Low-cost Pt-free Counter Electrode for Dye-Sensitized Solar Cells: A Better Outlook for Making the Symmetric Solar Cells Mr.Nithiananthi P The Gandhigram Rural Institute, India
1247	CP-1269	897	High-Energy Li-ion Pouch Cell with Vanadium silicon-oxyfluoride Nanowires as Cathode Ms.Kiran Preethi K SRM Institute of Science and Technology, India
1248	CP-1270	898	Dr.PRABU N Srinivasan College of Arts and Science, India
1249	CP-1271	907	Probing the private quantum life of s electrons in atoms of Nanomaterials -A new quantum theoretical insight Dr.IYAKUTTI KOMBIAH SRM Institute of Science and Technology, India
1250	CP-1272	911	A study on ionic conductivity Gadolinium doped the garnet-type solid electrolyte Li ₇ La ₃ Zr ₂ O ₁₂ Mr.M Leo Edward presidency college, India

1251	CP-1273	913	Effect of incorporation of Cd on structural, optical and electrical properties of CZTS thin films for solar cell applications Ms.Shraddha C H Mangalore University, India
1252	CP-1274	926	Self-Assembled 3D Graphene-Based Aerogel with Au Nanoparticles as High-Performance Supercapacitor Electrode Mr.BIBHUTI BHUSAN SAHOOSOA UNIVERSITY BHUBANESWAR, India
1253	CP-1275	931	Citric acid-assisted inexpensive semi-wet combustion synthesis and characterization of ultrafine $\text{LiFe}_{0.95}\text{Ti}_{0.05}\text{PO}_4$ and LiFePO_4 polycrystalline materials Prof.Youngil Lee University of Ulsan South KoreaKOREA, REPUBLIC OF
1254	CP-1276	937	$\text{MnO}_2/\text{MoS}_2$ Heterostructure as Electrode Material for Electrochemical Capacitor Application Dr.Muhammed Shafi NIT Trichy, India
1255	CP-1277	945	Synthesis and characterization of Activated Carbon Derived from Casuarina Tree Wood for Supercapacitor Anode Mrs.T GAJALAKSHMI SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1256	CP-1278	955	Dr.S S KANMANI Dr NGP ARTS AND SCIENCE COLLEGE, India
1257	CP-1279	961	First-Principles Study and Optimal Doping for High Thermoelectric Performance of TaXSn Materials (X = Co, Ir and Rh)Mr.hmidaUniversity of Sa $\tilde{\text{A}}$ -da Dr. Moulay Tahar ALGERIA
1258	CP-1280	962	Study of biopolymeric solid electrolyte based on kappa-carrageenan with magnesium salt for the application of electrochemical devices. Mrs.sangeetha APA College, India
1259	CP-1281	972	Ms.Preeyanghaa SRM IST, India

1260	CP-1282	982	Synthesis and characterization of a new layered Li[Ni _{0.3} Zn _{0.2} Mn _{0.5}]O ₂ cathode material with high coulombic efficiency for Li-ion energy storage and conversion Dr.RM. Gnanamuthu SRM Institute of Science and Technology, India
1261	CP-1283	984	Mr.Dharmalingam N SRM institute of science and technology, India
1262	CP-1284	986	Synthesis, growth, structure and characterization of linear and nonlinear optical properties of new hybrid BMCTC single-crystal Dr.Gunasekaran B Physics and nanotechnology, India
1263	CP-1285	990	Study of ionic conduction behavior in apatite based electrolyte material for IT-SOFC applications Mr.Ashishkumar Yadav IIT BHU Varanasi, India
1264	CP-1286	991	Effect of Copper pretreatment on optical and electrical properties of camphor based graphene by chemical vapour deposition Dr.Harsh Chaliyawala SVNIT, India
1265	CP-1287	994	The role of Cerium oxide nanoparticles in modulating acrylamide induced toxicity in Drosophila melanogaster Ms.Swetha Senthil Kumar SRM Institute of Science and Technology, India
1266	CP-1288	997	Effect of CNT Doping on Energy Band Structure of Hydrothermally Synthesised Na ₂ Ti ₆ O ₁₃ Prepared using Na ₂ Ti ₃ O ₇ as Intermediate Phase: A Novel Approach Dr.Prashant W. Ambekar Dharampeth M.P.Deo memorial science college, Nagpu, India
1267	CP-1289	1008	Electrical transport properties of nanocrystalline and bulk nickel ferrite ceramics by complex impedance spectroscopy Mr.Sanjeet Kumar Paswan Central University of Jharkhand Ranchi, India

1268	CP-1290	1009	Oxygen driven α to β phase transition in tungsten Mrs.Ananya Chattaraj Shiv Nadar University, India
1269	CP-1291	1033	Synthesis, Growth and Characterization of Creatinine Phthalic Acid (CNPA) Single Crystals: A Novel Nonlinear Optical Material Ms.surya selvaraj SRM Institute of Science and Technology, India
1270	CP-1292	1034	Effect of electrolytes on the performance of graphene oxide ultracapacitors Mr.SOHAN SHRIMANT THOMBARD Y Patil Education Society Deemed University, India
1271	CP-1293	1040	Spinel nanocomposite (NiCoO ₄) supported flame burnt rGO as a novel photocatalyst for Tetracycline degradation Mr.V Vinesh SRM Institute of science and technology, India
1272	CP-1294	1042	Symmetry and Asymmetry Particle Size Effect of Mg ₃ Sb ₂ on Electronic and Thermal Transport Properties Mr.Veera Prabu K SASTRA University, India
1273	CP-1295	1060	Structural and Transport Properties of Na _{0.5} Bi _{0.5} TiO ₃ Nanomaterial Mr.Sarathbavan M SRM Institute of Science and Technology, India
1274	CP-1296	1061	Mr.S. Kavirajan SRM Institute of Science and Technology, India
1275	CP-1297	1067	High thermal stability of BaTi _{0.93} Sn _{0.07} O ₃ perovskite for capacitors application Ms. Manisha Kumari IIT ISM Dhanbad, India
1276	CP-1298	1096	DFT-theory and Electrochemical Performance of MnO ₂ Electrode material for Supercapacitor Applications Mr.Gowtham Kumar R Nanoscience and nanotechnology, India
1277	CP-1299	1105	Metal Organic Framework (MOF) incorporate on NiCo ₂ O ₄ as Electrode Material for Supercapacitor Application Mr.Kishore Babu S SRM Institute of Science and Technology, India

1278	CP-1300	1115	GRAPHENE OXIDE THERMAL SELF-CHARGING CAPACITORS FOR CONVERTING LOW GRADE HEAT Ms.ARSHA M S UNIVERSITY OF KERALA, India
1279	CP-1301	1122	Ms.VIBHUTIBA PUNITSINH JE Sardar Patel University, India
1280	CP-1302	1143	Synthesis and Characterization of Nb ₂ O ₅ as an anode material for Lithium Ion Batteries Mr.Vivek P SRM Institute of Science and Technology, India
1281	CP-1303	1150	Synthesis of porous MnO ₂ nanorods and study of electrochemical performance Mr.Yogesh Kumar G D Goenka University, India
1282	CP-1304	1161	Zinc stannate nanocubes embedded polyvinylidene fluoride composite films for harvesting mechanical energy Ms.Kriti Batra University of Delhi, India
1283	CP-1305	1165	Investigation on the electrochemical behavior of different nanostructures of tri manganese tetraoxide (Mn ₃ O ₄) Ms.B SHUNMUGAPRIYA SRMIST, India
1284	CP-1306	1166	Comparative study on the electrochemical performance of spinel trimanganese tetraoxide synthesized through different methods Mr.SHYAMKRISHNAN SRMIST, India
1285	CP-1307	1169	Ms.S. Pushpa SRM Institute of Science and Technology, India
1286	CP-1308	1171	Effect of synthesis routes on the electrochemical properties of Zinc Sulfide particles for supercapacitor electrode applications Ms.Aleena Rose SRM Institute of Science and Technology, India

1287	CP-1309	1180	Synthesis and Electrochemical Properties of Niobium Titanium Oxide as an Anode Material for Lithium Ion Batteries Mr.Vivek P SRM Institute of Science and Technology, India
1288	CP-1310	1204	Unravelling the thermoelectric properties of ZnS/ZnO nanocomposites Ms.Miriam Betty SRMIST, India
1289	CP-1311	1211	Conductivity Spectroscopic Analysis on [DEMA] [TFO] and Montmorillonite Clay Based Proton Conducting Polymer Composite Electrolytes Ms.Manjula G Nair National Institute of Technology Silchar, India
1290	CP-1312	1222	Role of Mixed Electrolyte Additives in Improving the Thermal Stability and Interfacial Chemistry of Lithium Metal Batteries Dr.THILEEP KUMAR K Sri Sivasubramaniya Nadar College of Engineering, India
1291	CP-1313	1228	Cs ₄ PbBr ₆ : A Newbie in Halide Perovskite based Piezoelectric Arena Ms.Upasana Mukherjee Jadavpur University, India
1292	CP-1314	1229	Nitrogen-ion implantation induced bandgap tailoring in multifunctional brownmillerite KBiFe ₂ O ₅ Mr.DURGA SANKAR VAVILA PALANNA UNIVERSITY, India
1293	CP-1315	1258	Electrophoretic Deposition of ZnFe ₂ O ₄ – Carbonaceous Composite as Promising Anode for Lithium-ion Batteries Mr.Saptarshi Das, Indian Institute of Technology Kharagpur, India
1294	CP-1316	1275	Effect of Synthesis Methodologies on the Microstructure and Conductivity of Na ₃ Zr ₂ Si ₂ PO ₁₂ (NASICON) for Applications in All Solid-State Na-ion Batteries Mr.Y Bhaskararao SRM University AP, India
1295	CP-1317	1282	Advances in battery electrolyte for low temperature applications Dr.Avirup Das VIT Bhopal, India

1296	CP-1318	1291	Morphology-dependent Electrochemical Energy Storage Performance of MnO ₂ Nanostructures Mr.Surendra Jangu University College of Engineering and Technology, India
1297	CP-1319	1326	Thermoelectric Properties of Si Rich Higher Manganese Silicide Ms.Madhuvathani Saminatha SRM Institute of Science and Technology, India
1298	CP-1320	1337	Mr.R Santhosh SRM IST, India
1299	CP-1321	1339	Polarization Induced Multiferroic Bismuth Ferrite Nanostructures with Enhanced Dielectric and Magnetic Properties Dr.RADHAMANOHAR AEPURU Universidad Tecnológica MetropolitanaCHILE
1300	CP-1322	1379	An experimental investigation and simulation of Thermo-Electric Power Generation using Waste Heat with Buck-Boost Converter Mrs.Lourdu Jame SRMIST, India
1301	CP-1323	1394	First Principle Calculation and Electrochemical Analysis of V ₂ O ₅ Electrode Material for Supercapacitor Application Mr.pavithran p SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1302	CP-1324	1398	Experimental investigation on Performance, Combustion and Emission of Direct Injection diesel engine fueled with ZnO dispersed waste cooking oil biodiesel Mr.M Dhanarasu Periyar University, India
1303	CP-1325	1401	Mrs.Lourdu Jame SRMIST, India
1304	CP-1326	1407	Microwave Assisted Hydrothermal Synthesis of NiFe ₂ O ₄ /Co ₃ O ₄ Nanocomposite as High Performance Anode materials for Lithium Ion Batteries. Ms.RESHMA S BABU DEPARTMENT OF PHYSICS PONDICHERRY UNIVERSITY, India

1305	CP-1327	1410	One-step green synthesis of Bismuth oxide nanoparticles with its composites Mrs.M SIVAKAMI SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1306	CP-1328	1411	Facile Synthesis and DOS studies of Li ₄ Ti ₅ O ₁₂ Anode Material for Lithium-ion Battery Applications Mr.M Jayachandran SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1307	CP-1329	1412	VOx embedded porous carbon nanofibers as a promising anode material for Lithium-ion batteries Mrs.JEEVANI R SRM IST, India
1308	CP-1330	1418	Synthesis and Charterization of Activated Carbon based Electrode Material for Supercapacitor Applications Mr.N Rajadurai SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1309	CP-1331	1419	Nanoscale TiO ₂ Photocatalytic Effect and Efficacy in Hydrogen Production Applications: A Review Mr.NARENDRA KHATRI The LNM Institute of Informtion Technology Jaipur, India
1310	CP-1332	1423	Synthesis, characterization and ferroelectric nature of metastable LiNbO ₃ type polar Zinc Titanate Mr.Shubhankar barman, Indian Association for the Cultivation of Science, India
1311	CP-1333	1424	Facile hydrothermal synthesis of novel hybrid Nanocomposite of Graphene QDs@CoMoS ₂ /CoMoSe ₂ and their application for high performance Supercapacitors Ms.Ankita Choudhary Central University of Jharkhand, India
1312	CP-1334	1432	Investigation of the thermoelectric properties of hybrid PEDOT:PSS composite films Mr.BHARGAB PRASAD MONDALI ACS KOLKATA, India

1313	CP-1335	1445	Structural, morphological, and electrochemical properties of Co ₃ O ₄ nanoparticles synthesized through mechanochemical method Mr.Bharathnivas KFMRC srm university, India
1314	CP-1336	1449	Thermal energy storage of PCM with Silicon carbide for latent heat storage Mrs.INDIRANI SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1315	CP-1337	1461	Synthesis of MnMoO ₄ nanostructures on Ni foam for high-performance asymmetric Super capacitor application Mr.PRABAKARAN P GOVERNMENT ARTS COLLEGE, India
1316	CP-1338	1464	Facile Synthesis and Electrochemical Study of WO ₃ Nanostructures for Energy Storage Applications Ms.Sunaina National Institute of Technology, India
1317	CP-1339	1466	Fundamentals and Application of Single atom Photocatalyst in energy and environment sustainability Mr.Akshat Khandelwal BITS Pilani KK Birla Goa Campus, India
1318	CP-1340	1474	Thermoelectric properties of nano-structured rGO/FeSe ₂ composites Mr.Jothilal P SRM Institute of Science and Technology, India
1319	CP-1341	1477	Solvothermal mediated synthesis of LiVPO ₄ F for Li ion storage Mr.Thamodaran Partheeban SRM IST, India
1320	CP-1342	1481	Synthesis of Molybdenum phosphide nanoparticles for efficient hydrogen evolution reaction Mrs.B Jebaslinhepybai SRM Institute of Science and Technology, India
1321	CP-1343	1486	Mr.EZHILARASANC ARASU ENGINEERING COLLEGE, India

1322	CP-1344	1495	<p>Role of polar nano regions in the enhancement of the recoverable energy storage density and electrostrictive coefficient in the lead free $\text{Na}_{0.25}\text{K}_{0.25}\text{Bi}_{0.5}\text{TiO}_3$</p> <p>Mr.Krishnarjun Banerjee, Indian Institute of Technology Hyderabad, India</p>
1323	CP-1345	1499	<p>Synthesis and characterization of polypyrrole/Fe_2O_3 Nanocomposite and their supercapacitor applications</p> <p>Mr.N BALASUBRAMANIAN PERIYAR UNIVERSITY, India</p>
1324	CP-1346	1501	<p>Highly porous structured activated carbon nanosheets derived from bread waste as an anode material for lithium-ion batteries</p> <p>Mr.G MURALI SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India</p>
1325	CP-1347	1518	<p>Polyaniline Wrapped MnO_2 Nanoflower/Heteroatom-Doped Porous Carbon Ternary Composite for Asymmetric Supercapacitors</p> <p>Ms.stella vargheese Bharathiar University, India</p>
1326	CP-1348	1537	<p>Mg @ SnSe grown on Carbon fabric via Hydrothermal method for wearable Thermoelectric Power generation</p> <p>Mr.AMUTHAN R SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India</p>
1327	CP-1349	1541	<p>Understanding the effect of various carbon matrix on the electrochemical performance of $\text{NaTi}_2(\text{PO}_4)_3$ anode for sodium-ion batteries</p> <p>Ms.Anwesa Mukherjee, Indian Institute Of TechnologyKharagpur, India</p>
1328	CP-1350	1545	<p>Improved electrochemical properties of ultra-low voltage sodium anode $\text{Na}_2\text{Ti}_3\text{O}_7$; an effect of surface modification</p> <p>Ms.Anwesa Mukherjee, Indian Institute Of TechnologyKharagpur, India</p>

1329	CP-1351	1546	Synergetic effect of Ino2/wo3 nanocomposites on transpotation interfacial charge and the effieciency of DSSC Ms.Manimekalai Mother Teresa Womens University, India
1330	CP-1352	1550	UV-Vis Spectroscopic Investigation of the Polyvalent Vanadium Ion for a Vanadium Redox Flow Battery Mr.Sai Madhavan Surabathu Mahindra University, India
1331	CP-1353	1559	Effect of Synthesis Time on Electrochemical Properties of BiPO4 Nanostructures for Energy Storage Devices Mr.AMAN JOSHI NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA, India
1332	CP-1354	1587	Structural, Electrochemical and Ion Transport Studies of plasticized PVDF-HFP-PMMA-LiClO4 Complex-based Nanocomposite Gel Polymer Electrolyte Doped with Al2O3 Nanofiller Ms.KHUSHBU GOHEL The Maharaja Sayajirao University of Baroda, India
1333	CP-1355	1590	Synthesis and characterization of borophane-graphene composites Mr.Suman N Vels Institute of Science and Technology for advan, India
1334	CP-1356	1595	Ni and Co co-doped WO3 supported on carbon fibers for overall Water Splitting Mrs.Rajalakshmi R Department of Nanoscience and Technology, India
1335	CP-1357	1597	Influence of Mo-substitution on structural, optical and charge transport properties of praseodymium orthoniobate Ms.MONIKA SINGH School of materials science and technology IIT BHU, India
1336	CP-1358	1599	NiS anchored on Sr-Fe Layered Double Hydroxide as an electrode material for high performance asymmetric supercapacitor Ms.Rajapriya A Bharathiar University, India

1337	CP-1359	1602	One-dimensional NiMoO ₄ Nanorods/r-GO nanocomposite as an Electrocatalyst for Oxygen Evolution Reaction Mr.Dinesh M Bharathiar University, India
1338	CP-1361	1612	Development, stability aspects of encapsulants for organic, organic-inorganic hybrid solar cells Mr.Rohith Kumar SRMIST KTR, India
1339	CP-1362	1614	Investigation of the influence intensity of boiling liquefied gas on the synthesis of gas hydrate by the method of boiling-condensation of liquefied hydrate-forming gas in the volume of water Dr.Meleshkin Anton Novosibirsk State UniversityRUSSIAN FEDERATION
1340	CP-1363	1620	(Na, Co) co-doped cuprous oxide nanostructures by sol-gel method Mr.Naveen Kumar National institute of technology Patna, India
1341	CP-1364	1625	Quantum Dot Solar cells for future prospects of electricity generation Mr.KAPIVARDHAN YELLAMBATL KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE W, India
1342	CP-1365	1648	Structural, morphological, and electrochemical properties of hydrothermally synthesized SnS ₂ nanoparticles Ms.A Amala SRM Institute of Science and Technology, India
1343	CP-1366	1653	Enhanced thermoelectric properties of Na doped SnSe for thermopower generation Ms.MONIKAPANI KUMAR SRM IST, India
1344	CP-1367	1656	Preparation of hierarchical manganese-nickel selenide nanosheets as a cathode and MXene as an anode for flexible hybrid supercapacitor devices Mr.BALAKRISHNAN B PONDICHERRY UNIVERSITY, India
1345	CP-1368	1657	Mr.Navneeth Rajiv National Institute of Technology Tiruchirappalli, India

1346	CP-1369	1659	Annealing controlled trap assisted recombination in small molecule solar cells Mr.MADDURI SURESH, India n Institute of Technology Hyderabad, India
1347	CP-1370	1686	Synthesis and characterization of graphene oxide based nano fluids for enhancement of fluid properties. Dr.I. Jayakaran Amalra Sri sivasubramaniya nadar college of engineering, India
1348	CP-1371	1713	Preparation and Characterization of Electrochemical Stable Supporting Substrate for Energy Storage Devices Mr.SOUNDER S MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI, India
1349	CP-1372	1733	Electrochemical impedance spectroscopy study to identify the electrode kinetics of NiCoCu alloy prepared by pulsed electrodeposition method. Mr.M Anand Raj Rajalakshmi Engineering College, India
1350	CP-1373	1739	Morphology, Fabrication, Co precipitation Method of Synthesis Gd-Sb ₂ O ₄ Nanostructures and their Application in High Performance Energy Storage Devices Mr.Santosh S Nandi Dr MS Sheshgiri KLE College ofEngineeringTechnology, India
1351	CP-1374	1740	CTAB Cationic Surfactant Assisted NiCo ₃ Electrocatalyst for Electrochemical Water Splitting Applications Ms.Swathi Srinivasan Alagappa university, India
1352	CP-1375	1741	Facile Synthesis of Zinc Dopped Copper Phosphate For High-Performance Supercapacitor Mr.Balamurugan R National Institute of Technology Trichy, India
1353	CP-1376	1742	Rapid Combustion backed Synthesis of Mn rich, Co free electrodes for High voltage/ Energy density/Capacity and durable lithium ion batteries Ms.PRETTENCIA VELS University, India

1354	CP-1377	1762	Effect of pH variation on Electrical Conductivity of Aqueous Ethylene Glycol based Zinc-Oxide nanofluid: An experimental study Mr.Chilambarasan Lingagan SSN college of engineering, India
1355	CP-1378	1766	Effect of Ytterbium doping on thermoelectric properties of nanostructured delafossite CuMnO ₂ Effect of Ytterbium doping on thermoelectric properties of nanostructured delafossite CuMnO ₂ Mr.Rajkumar R University of Madras, India
1356	CP-1379	1772	Temperature dependent dielectric and ac conductivity of nanocrystalline BaWO ₄ Mrs.SEENAMOL K STEPHENT M JACOB MEMORIAL GOVT COLLEGE MANIMALAKUNNU, India
1357	CP-1380	1774	Hall Effect for Dirac Electrons in Graphene Exposed to an Abrikosov Flux lattice Mr.Ravi Kumar, Indian Institute of Science Bangalore , India , India
1358	CP-1381	1775	Optimization of Activated Carbon and Zinc Oxide nanocomposites for supercapacitor applications using an effective and facile synthesis approach Mr.Manish Kumar Gupta Gautam Buddha University, Greater Noida, India
1359	CP-1382	1782	Synthesis and functional properties of ZnO/CuO nanocomposite for gas sensing applications Ms.Bharathi P SRM Institute of Science and Technology, India
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1362	CP-1385	1800	Electrospun poly (methyl methacrylate) decorated with Titanium di-oxide, Reduced graphene oxide (rGO) composite nanofiber for dye and perovskite sensitized solar cell applications Dr.STALIN THAMBUSAMY Alagappa University, India
1363	CP-1386	1815	Mechanical and electronic properties of elastic organic crystals by First-principles study Mr.Monirul Shaikh SRM Institute of Science and Tecchnolgy, India
1364	CP-1387	1821	Experimental and Theoretical Studies of dimethyl docosanedioate using Quantum Chemical Calculations, Gas Chromatography Mass Spectroscopic (GCMS) Technique Dr.K Prathebha Easwari Engineering College, India
1365	CP-1388	1822	Synthesis and Characterization of CeO ₂ nano cubes decorated Graphene Oxide for Hydrogen Storage applications Ms.Lathapriya Vellingiri SRM Institute of Science and Technology, India
1366	CP-1389	1828	Structural, Optical and Electrical Properties of undoped and K-doped NiO Thin Films Prepared by Sol-Gel Spin-Coating Method Mrs.Hanna Touhai university of BiskraALGERIA
1367	CP-1390	1838	Reduced GrapheneOxide(rGO)/CoFe ₂ O ₄ Nanocomposite: As A Low Cost Superior Super Capacitor Electrode Material Mr.ANTO FERADRICK SAMSON Loyola College, India
1368	CP-1391	1840	Surfactant-assisted synthesis of tungsten oxide nanocubes for electrochemical supercapacitors Mr.Thangabalu S Kongunadu Arts and Science College, India
1369	CP-1392	1847	Fabrication of Low-Dimensional Nanostructures of Vanadium Oxide/Tin Oxide Nanocomposite for Thermoelectric Applications Dr.Mohana Priya SSRMIST, India

1370	CP-1393	1863	Hydrogen Storage Properties of Reduced Graphene Oxide Doped Nickel Cobalt Manganese Oxide Mesocrystals Mr.GOKULADEEPAN SRMIST, India
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1372	CP-1395	1888	Design and development of silane functional cardanol based sustainable polybenzoxazine-silica hybrid for thermal and hydrophobic applications Dr.Subramani Devaraju VFSTR, India
1373	CP-1396	1900	Design and optimization of Formamidinium Perovskite solar cell using novel Zinc Sulfoselenide based Electron transport layer Mr.Santosh Vilas Patil IITRAM Ahmedabad, India
1374	CP-1397	1948	Solidification Performance of water based nano-fluids for cool thermal energy storage system Mr.Balasaravanan J SRM IST KATTANKULATHUR, India
1375	CP-1398	1955	Comparison of FaPbI_3 and FaSnI_3 based Perovskite Solar Cells Mr.Nirag R Jain IITRAM, India
1376	CP-1399	1957	Synthesis and characterization of Sr doped CdO nanoplatelets for supercapacitor applications Dr.A ROBERT XAVIER NATIONAL COLLEGE, India
1377	CP-1400	1961	Increasing active sites in Nickel Cobalt Sulfide by nitrogen doping as a viable approach to enhance the hydrogen evolution performance in acidic medium Mr.Arunkumar PSVIT, TAMILNADU, , India , India

1378	CP-1401	1964	Metal Decorated Nitrogen Helical Multiwalled Carbon Nanotubes for Supercapacitor Application Dr.T. Somanathan VISTAS, India
1379	CP-1402	1980	Study on charge storage phenomenon in spinel NiMn ₂ O ₄ nanoparticles for Supercapacitor application Mr.S Dhinesh Arignar Anna Government Arts College Namakkal, India
1380	CP-1403	1989	Investigation of spin state transition in temperature dependent thermoelectric properties of rare earth cobalt oxides (RCoO ₃) Mr.Mohamed Jibri K P SRM IST KTR, India
1381	CP-1404	1992	Effect of Pb ₂ doping on thermoelectric properties of CuSbSe ₂ Dr Suresh Perumal SRM IST, India
1382	CP-1405	1994	LaCoO ₃ incorporated PANI for efficient room temperature Thermoelectric application Mr.Mohamed Jibri K P SRM IST KTR, India
1383	CP-1406	1995	Vacancy-driven high thermoelectric performance in CuFeS ₂ -d Mr.Manojkumar M SRM IST CHENNAI, India
1384	CP-1407	1996	Structural, morphological and magnetic properties of bulk and nano-CuFeSe ₂ Dr Suresh Perumal SRM IST CHENNAI, India
1385	CP-1408	2004	Impedance spectroscopy of high-dielectric constant Al ₂ O ₃ /TiO ₂ nanolaminates grown by pulsed laser deposition Mr.partha sarathi padhi Raja ramanna centre for advanced technology, India
1386	CP-1409	2010	Dr.Mansoor Ahmad Universiti Tunn Hussein onn Malaysia, MALAYSIA
1387	CP-1410	2015	Supercapacitive Performance of Coke Derived Graphite Oxide Ms.Riya Thomas CHRIST Deemed to be University, India

1388	CP-1411	2025	Aspect ratio controlled MnWO ₄ nanorods for supercapacitor application Mr.KAUSIK SARDAR JADAVPUR UNIVERSITY, India
1389	CP-1412	2026	Improved thermoelectric properties of Ag ₂ Se/SnSe nanocomposites for mid temperature thermo power generation Mr.R SANTHOSH PHYSICS AND NANOTECHNOLOGY, India
1390	CP-1413	2027	Design of Asymmetric Supercapacitor Based on α -Ag ₂ S/Graphene Nanosheets Dr.I Rathinamala V V Vanniaperumal College for Women Virudhunagar, India
1391	CP-1414	2030	Transition metal doped Ni (OH) ₂ /NiS core-shell nanostructure on carbon cloth as electrode material for supercapacitors Mr.Suresh Prasanna C SRMIST, India
1392	CP-1415	2049	Bandgap widening in ZnSb for Mid-Temperature Thermoelectric Power Generation Dr.Suresh Perumal SRM Institute of Science and Technology, India
1393	CP-1416	2050	Fabrication of Spinel [Ni _x Mn _y Co _{1-x-y}]O ₂ complex oxide nanostructure under different sintering condition: A Promising positive electrode material for Li-Ion battery Ms.Patel Roma Rajeshkumar Pandit peendayal Petroleum University, India
1394	CP-1417	2052	Carrier engineering in SnSb for Mid-Temperature thermoelectric application Dr.Suresh Perumal SRM Institute Science and Technology, India
1395	CP-1418	2054	Facile Hydrothermal Synthesis of Mn-Co-Oxide Hybrid Nanostructures for High-Performance Supercapacitor Applications. Ms.KALAIMATHI S SRM IST Kattankulathur, India
1396	CP-1419	2056	Wearable Energy Storage Devices Mr.MARIMUTHU M IIITDM, Kancheepuram, India

1397	CP-1420	2057	Synthesis and characterization of Cu ₂ S/ZnS nanocomposite and its thermoelectric applications Ms.Gouri Sankar V SRM IST Kattankulathur, India
1398	CP-1421	2066	Investigation of ZnSnS ₃ for electrochemical super capacitive properties Ms.Shweta Khanna SRM University Chennai, India
1399	CP-1422	2071	Experimental and theoretical realization of an advanced bifunctional electrode for supercapacitor and oxygen evolution reaction via defect engineering Ms.Rutuparna Samal CNMS, Jain University, India
1400	CP-1423	2079	Structural and Impedance Analysis of Co-Precipitated Samaria Doped Ceria (SDC) Ms.Perna Hirenbbhai VinchPandit Deendayal Petroleum University, India
1401	CP-1424	2089	Morphologically tuned polypyrrole/polyaniline composite for enhanced thermoelectric performance Ms.SREEVIDYA U SRMIST, India
1402	CP-1425	2103	On the stability of LiPF ₆ and LiTFSI based electrolytes of Li-ion batteries by Surface-enhanced Raman Spectroscopy Mr.Murugasenapathi N KCCIR Central Electrochemical Research Institute, India
1403	CP-1426	2120	Investigation of blend biopolymer electrolyte based on Dextran PVA with ammonium nitrate for electrochemical application Mrs.T Maheshwari Kongu Engineering College, India
1404	CP-1427	2121	Structural And Optical Properties Of Ag Doped Tio ₂ , Sno ₂ , Nano Composite By Various Synthesis Method Mrs.P SURIYA SRMIST VADAPALANI, India
1405	CP-1428	2122	lead dioxide nanohybrids in energy storage Dr.AATREYEE SARKAR IIT Bombay, India

1406	CP-1429	2124	Design and Device fabrication of 2D MoS ₂ flakes based Piezoelectric Nanogenerator Mr.Vishal Natraj SRM institute of science and technology, India
1407	CP-1430	2134	Pr _{1-x} Mn _x FeO ₃ nanostructures for electrocatalytic and photoelectrochemical water splitting functions Prof.Ganesan Mohan Kumar Dongguk UniversityKOREA, REPUBLIC OF
1408	CP-1431	2136	Accelerating the charge separation of MgFe ₂ O ₄ nanostructures by Zn ions gradient doping for enhanced photocatalytic and photoelectrochemical water splitting Prof.Pugazhendi Ilanchezh Dongguk UniversityKOREA, REPUBLIC OF
1409	CP-1432	2151	Thermoelectric power generation of Cu _{2-x} Se _{0.5} S _{0.5} nanocomposites for energy application Ms.S. PUSHPA SRMIST, India
1410	CP-1433	2159	Ex situ boron doping of carbon nanotubes towards hydrogen storage Ms.Shrilekha Vijaysinh Sa Institute of Chemical Technology Mumbai, India
1411	CP-1434	2162	Ppy coated on SiO ₂ encapsulated Porous carbon nanosheets as a potential anode material for high rate and super long life Li-ion battery Mrs.Lavanya Thirugnanam IITM chennai, India
1412	CP-1435	2166	Orange peel derived activated carbon as a negative electrode additive in 12 V/ 150 Ah lead acid battery for Solar Photovoltaic application Mr.Uday Venkat Kiran Komm CECRI, India
1413	CP-1436	2167	Thermoelectric properties of Indium doped MoS ₂ nanostructures for waste heat recovery Ms.Dona Joseph SRMIST, India
1414	CP-1437	2182	Thermoelectric performance of Bi ₂ S ₃ and Ag substituted Bi ₂ S ₃ Dr.T MANIMOZHI SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India

1415	CP-1438	2183	Effect of sintering temperature in Copper Sulfide polymorphs for thermoelectric application Ms.M Arockia Jenisha SRMIST Kattankulathur, India
1416	CP-1439	2184	Synthesis and Characterization of PANi-CuO-Graphite nanocomposite electrodes Dr.Sharanabasava V. Ganac KLE Technological University, India
1417	CP-1440	2185	An improved double input dc converter for renewable energy applications Mrs.Lavanya A SRMIST, India
1418	CP-1441	2190	3.2% efficient cadmium free Cu ₂ ZnSnS ₄ /ZnO solar cells fabricated using solvothermally synthesized nanoparticles Dr.A G Kannan NGM College, India
1419	CP-1442	2193	Enhanced thermoelectric performance of Yb filled CoSb ₃ due to Type- I clathrates addition Mr.Keshav Dabral, Indian Institute of technology Bombay, India
1420	CP-1443	2201	Investigation of Cu ₂ -xS/WS ₂ nanocomposites for mid-temperature thermoelectric application Ms.SHANMUKA SUNDARI RSRM INSTITUTTE OF SCIENCE AND TECHNOLOGY, India
1421	CP-1444	2202	Substitution of Gd and Fe in SrTiO ₃ for enhanced thermoelectric power generation Ms.SHANMUKA SUNDARI R SRM INSTITUTTE OF SCIENCE AND TECHNOLOGY, India
1422	CP-1445	2203	Design and Analysis of Standalone PV System with A-Source Quadratic DC-DC Converter Ms.Thamarai Selvi SRM Institute of Science and Technology, India
1423	CP-1446	2210	Temperature dependent solvothermal synthesis of Cosb ₃ for thermoelectric application Mr.Simon Sajan John Nanotechnology Research Centre, India

1424	CP-1447	2219	Optimisation of Sodium ion based bio polymer electrolytes Mrs.P Priyanka Avinashilingam University, India
1425	CP-1448	2231	Porous Activated Carbon from the Bark of Prosopis juliflora tree: Prospective Electrode for Supercapacitors Mrs.G G SOUNDARYA Avinashilingam Institute, India
1426	CP-1449	2239	High performance solid state flexible supercapacitor based on SnSe ₂ @MWCNT assembly Mr.Abhinandan Patra Jain University, India
1427	CP-1450	2251	Laboratory paper waste into useful activated carbon: a potential supercapacitor material and a good adsorbent for organic pollutant and heavy metals Mr.R John Wesley Karunya Institute of Technology and Sciences, India
1428	CP-1451	2263	Influence of Yttrium doped BaSnO ₃ perovskite for enhanced Photovoltaic performance Mr.Gokulnaath MSRM IST, India
1429	CP-1452	2267	Fabrication of high performance plasmonic based dye sensitized solar cells (DSSCs) using Ag@TiO ₂ @rGO ternary nanocomposites Ms.Athithya S SRM IST KTR, India
1430	CP-1453	2271	Influence of CdS / g-C ₃ N ₄ quantum dots on mesoporous TiO ₂ as a photoanode for efficient dye sensitized solar cells Ms.Athithya S SRM IST KTR, India
1431	CP-1454	2275	Cost effective novel CuBO ₂ delafossite nanostructured material as hole transport layer for perovskite solar cells application Mr.GUNASEKARAN K SRM IST KTR, India
1432	CP-1455	2280	Enhanced thermoelectric performance of hierarchical Bi ₂ Se ₃ for thermopower generation Mr.V VIJAY SRM IST, India

1433	CP-1456	2289	Sn doped V2O5 Active Layers for Enhanced Electrochromic ApplicationS Mr.MANOJ CRISTOPHER M sastra university, India
1434	CP-1457	2293	Sintering temperature induced phase transition of Cu _{2-x} Te for thermoelectric application Mr.Sugumaran Kavirajan Shizuoka UniversityJAPAN
1435	CP-1458	2303	Structural and hydrogen storage characteristics of CeO ₂ @rGO nanocomposite Mr.Balachandar srm institute of science and technology, India
1436	CP-1459	2307	Influence of MoS ₂ on the thermoelectric properties of Bi ₂ Te ₃ Ms.A Periyanyaga Kristy SRM Institute of Science and Technology, India
1437	CP-1460	2308	Enhanced thermoelectric performance of polymorphed copper telluride/bismuth telluride nanocomposites Mr.Sugumaran Kavirajan Shizuoka University JAPAN
1438	CP-1461	2313	Tuning hydrogen storage capacity of NiO nanostructures using anionic and cationic surfactants by hydrothermal approach Mr.Sivaviswa SRMIST, India
1439	CP-1462	2314	Study on Effect of Molarity of Hybrid Alkaline Activator on Compressive Strength of Fly Ash based Geopolymeric Concrete Mr.Adarsh Dubey CSIR AMPRI Bhopal, India
1440	CP-1463	2316	Synthesis and Characterization of NiO Nano Flakes as Electrode Material for Supercapacitor Applications Mr.R RAGUL SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
1441	CP-1464	2319	Growth of ZnO nanostructures on carbon fabrics for producing thermopower in textiles Ms.A Periyanyaga Kristy Shizuoka University, India

1442	CP-1465	2327	Effect of capping agent for synthesis of ZnO nanostructured on silver mesh for thermopower production Ms.A Periyanyaga Kristy Shizuoka University, India
1443	CP-1466	2350	Spray Deposited Porous Structured Cu ₂ ZnSnS ₄ Thin Films as Pt Free inexpensive and Effective Counter Electrode in DSSC Dr.Maria Angelin Sinthiya SRM Institute of Science and Technology, India
1444	CP-1467	2355	Studies of Ni doped birnessite MnO ₂ for enhanced supercapacitive performance by hydrothermal method Mrs.Sonali Ajay Bknalkar Shivaji University Kolhapur, India
1445	CP-1468	2368	Phosphorous Coated Bi-metallic Oxide as a Competent Electrode Material for Hybrid Supercapacitors Ms.NILIMAPRIYADARSINI SWALaboratory for Advanced Research in Polymeric Mate, India
1446	CP-1469	2395	Machine learning prediction on Ruddlesden popper material (A ₂ BX ₄) for Photovoltaic device application Ms.Gayathri P SRMIST KTR, India
1447	CP-1470	2398	Structural, Microstructural and Transport Properties of Layered Na _{0.75} CoO ₂ Oxide Dr. V. Ezhilselvi CSIR National Physics Laboratory, India
1448	CP-1471	2427	Analysis of giant dielectric permittivity and electrical properties for energy storage devices through impedance spectroscopy in CaCu ₃ Ti ₄ O ₁₂ Mr.SUKHANIDHAN SINGH IIT ISM DHANBAD, India
1449	CP-1472	2455	The Role of Silver-PC61BM Composite Electron Transport Layer in Methylammonium Lead Iodide Solar Cell Dr.Arul varman Kesavan SRM IST, India
1450	CP-1473	2459	Review on METAL ORGANIC FRAMEWORKS(MOFs) and MOF derived composites for Electrode Material in Energy Storage Applications Ms.NIRMAL MANYANI RESEARCH SCHOLAR, India

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1452	CP-1476	2500	Bifunctional Nanoencapsulation of Myristic Acid Core with Nanostructured CuO/SiO ₂ Shell for Photocatalysis and Solar Thermal Energy Storage Applications Mr.Imran Hussain S Anna University, India
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1454	CP-1478	2520	New clamped-H5 transformerless Photo-Voltaic inverter Mrs.Rekha Karunya ITS, India
1455	CP-1479	2521	Facile improvement in proton conductivity of PA doped Polybenzimidazole- SrZrO ₃ based proton conducting polymer electrolytes for fuel cell applications Dr.Selvakumar K Vidhyaa Giri College of Arts and Science, India
1456	CP-1480	2522	Modelling of diffusion processs in FePO ₄ electrode for hybrid Supercapacitor Ms.C Subashini PSGR Krishnammal College for Women, India
1457	CP-1481	2525	Effect of g-C ₃ N ₄ contents in CuInSe ₂ /g-C ₃ N ₄ nanocomposite counter electrode materials for the Pt-free DSSCs. Mr.Nithiananth SRM IST, India
1458	CP-1482	2526	Nickel doped CuInSe ₂ nano cubes for Counter Electrodes in Dye-Sensitized Solar Cells Mr.Nithiananth SRM IST, India
1459	CP-1483	2535	CuCo ₂ O ₄ electrodes for supercapacitor applications Dr.Uma Maheswari Madurai Medical College, India

1460	CP-1484	2538	<p>Ionic Transport Studies of Mechanochemically Synthesized $\text{La}_{0.9}\text{M}_{0.1}\text{F}_{2.9}$ (M: Ba, Sn) using Microcrystalline and Nanocrystalline LaF_3 and MF_2</p> <p>Mr.K RAMAKRUSHNA ACHARY SRM UNIVERSITY , AP, India</p>
1461	CP-1485	2547	<p>Ti substitution in Li_5FeO_4 : A Li-rich cathode material for Li-ion batteries from first principle calculation</p> <p>Ms.Anu Maria Augustine Central University of Tamil Nadu, India</p>
1462	CP-1486	2548	<p>First Principles Study on the Structural, Electronic, Elastic and Optical Properties of Novel Mixed Cation-Mixed halide Vacancy-ordered Double Perovskite Compound $\text{KRbSnBr}_3\text{I}_3$</p> <p>Mrs.SREEDEVI. P. D Central University of Tamil Nadu, India</p>
1463	CP-1487	2564	<p>Surface Potential Relaxation Study in Epitaxial $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ Ferroelectric Thin Films</p> <p>Mr.SOUMEN PRADHAN IIT Madras, India</p>
1464	CP-1488	2568	<p>Performance Analysis of Load Optimization and Power Quality Framework for Smart Grid</p> <p>Mr.NAVEEN KUMAR MDU Rohtak, India</p>
1465	CP-1489	2569	<p>Gamma-ray irradiated Graphite for hydrogen storage</p> <p>Dr.D SILAMBARASAN The MDT Hindu College, India</p>
1466	CP-1490	2576	<p>High-performance graphene based nanocomposite for thermal energy storage.</p> <p>Dr.Asha Anish Madhavan Amity University UNITED ARAB EMIRATES</p>
1467	CP-1491	2630	<p>Graphene oxide (GO) as a Dye Effluent Adsorbent: Adsorbed GO as a Supercapacitor Electrode Material “Energy from Waste”R. Niveal, V. Gunasekaran Central University of Tamil Nadu, India</p>
1468	CP-1492	253	<p>Dual material tri gate Schottky barrier MOSFET</p> <p>Ms.Shazia Rashid university of Kashmir, India</p>

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1482	CP-1506	144	Digital Electronic Based Portable Device for Colorimetric Quantification of Ketones and Glucose Level in Human Urine Dr.Shirsendu Mitra IIT Gandhinagar, India
1483	CP-1507	147	2-D NiO Nanostructured Material for High response Acetaldehyde Sensing Application Mrs.Pramila Patil Bharathiar University, India
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1519	CP-1543	808	Low-cost rare earth doped SnO ₂ flexible sensor for chlorLow-cost rare earth doped SnO ₂ flexible sensor for Low-cost rare earth doped SnO ₂ flexible sensor for chlorine detection at ppb level detection Mr.SAHIL GASSOGURU NANAK DEV UNIVERSITY, India
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1548	CP-1572	1454	Effect of Stress on Polarization Induced AlGaIn/GaN HEMTs for Increase Sensitivity of Biomolecules Mrs.Sanhita Manna GITAMUNIVERSITY,BENGALURU, India
1549	CP-1573	1456	Effect of Al ₂ O ₃ Dielectric Modulated AlGaIn/GaN HEMTs for Biosensing Applications Mr.Girish Shankar Mishra GITAM UNIVERSITY,BENGALURU, India
1550	CP-1574	1484	Benzimidazolium based ionic liquid as fluorescent probe for distinct binding mode of TNT and TNP detection in aqueous medium Ms.Jonnagaddala Harathi Vellore institute of technology, India
1551	CP-1575	1500	Bismuth based electrochemical sensor to heavy metal ion Ms.Banupriya M Mother teresa womens university, India
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1555	CP-1579	1589	Efficient electron field emission from silicon nanowire arrays: Quantum effects and improved analytical framework Dr.VIVEK KUMAR IITDM KANCHEEPURAM, India
1556	CP-1580	1591	Gas sensing property of CuO-TiO ₂ : SnO ₂ Nanocomposite Synthesized by cost effective hydrothermal method Mrs.v vidhya Govt Arts College Trichy22, India
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1558	CP-1582	1672	Rod morphology of Zn(Li)O thick film for intraoral X-ray sensor development Ms.R R Karthieka University of Madras, India
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1560	CP-1584	1684	Investigation on titanium dioxide nanostructures for VOC sensing: Computational and experimental studies Ms.RUPAVARSHINI M SRM IST, India
1561	CP-1585	1702	Design and fabrication of g-C ₃ N ₄ nanosheets/CuCo ₂ O ₄ nanocomposites for gas sensing application Mr.Govind Ambadas Vangari SRM Institute of Science and Technology, India
1562	CP-1586	1708	Naphthalene appended diketopyrrolopyrrole derivatives functionalized on ZnO nanostructures: An investigation on gas adsorption induced surface potentials changes Mr.Gobinath Marappan SRM IST, India

1563	CP-1587	1716	Gas Adsorbance Influence on Surface Potential of Graphitic Oxide and Derivatives Mr.SHIVA GOVINDASAMY SRM IST, India
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1565	CP-1589	1724	Interaction between Polyvinylthiol and silver nanoparticles with SiO ₂ for the SERS detection of landfill leachate Mrs.AARTHIA Mother Teresa Womens University, India
1566	CP-1590	1734	Composite channel based AlGa _N /InGa _N /Ga _N and InAlN/InGa _N /Ga _N based HEMTs for high-power wide bandwidth millimeter-wave applications Mrs.Revathy SRM Institute of Science and Technology, India
1567	CP-1591	1737	Al _{0.3} Ga _{0.7} N/In _{0.1} Ga _{0.9} N/Ga _N /Al _{0.04} Ga _{0.96} N high-performance nano-scale high electron mobility transistor for wideband microwave applications Mr.N RAMKUMAR SRM Institute of Science And Technology, India
1568	CP-1592	1747	ELECTROCHEMICAL AND IN SITU SPECTROELECTROCHEMICAL BEHAVIOUR OF REACTIVE BLUE 19 Dr.V SREEJA Department of Chemistry, Vellalar College for Wome, India
1569	CP-1593	1752	Polarity independent resistive switching in MoS ₂ nanosheets and PEO based nano-composite films Mr.RAJESH DEB National Institue of Technology Silchar, India
1570	CP-1594	1770	Synthesis and Characterization of g-C ₃ N ₄ /ZnO Nanocomposites for Gas Sensing Application Dr.M Krishna Mohan SRMIST, India

1571	CP-1595	1771	Synthesis and Characterization of Graphene oxide nanosheets for Gas Sensing Applications Mr.Mathankumar G srmist, India
1572	CP-1596	1773	Correlation of Turnover Frequency and Photocatalytic Hydrogen Generation by Water Splitting Ms.Meenakshi Abirami Sara SRM Institute of Science and Technology, India
1573	CP-1597	1783	Synthesis, growth and characterization of linear and nonlinear optical properties of new hybrid BTCT and MMTC single-crystal Mr.Vishvak Physics and nanotechnology, India
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1575	CP-1599	1803	Electropolymerization and characterization of polyaniline doped lanthanide upconversion nanomaterial for organic solar cells Mr.Esakkimuthu S Alagappa University, India
1576	CP-1600	1807	Adsorption of Halogen Atoms and Molecules on SWCNTs (5, 5) and (10, 0): A First Principles calculations study for water desalination Ms.Elakia M SRM Institute of Science and Techonology, India
1577	CP-1601	1810	Fabrication of g-C ₃ N ₄ /CdS/BiVO ₄ ternary nanocomposite with enhanced visible-light driven photocatalytic activity for Methylene blue dye degradation from aqueous solution Mr.Ranjith Physics, India
1578	CP-1602	1820	Electric field tunable spin orbit coupling in bilayer graphene/WSe ₂ heterostructure Ms.Priya Tiwari Department Of Physics, Indian institute of Science, India
1579	CP-1603	1823	Synthesis and Characterization of ZrO ₂ nanoparticles incorporated Graphene Oxide for Hydrogen Storage applications Ms.Lathapriya Vellingiri SRM Institute of Science and Technology, India

1580	CP-1604	1868	Ferro-nanofluid Squeeze Film lubrication in Articular Cartilage Ms.Manimegalai K Anna university, India
1581	CP-1605	1891	Effect of Temperature and the Role of Surface Directing Agents on the Structural Properties of Worm-like Mesoporous TiO ₂ Monoliths and their Photocatalytic Activity towards Fabric Dye Degradation Mrs.T.V.L Thejaswini Vellore Institute of Technology VIT, India
1582	CP-1606	1895	Solution Processed Low Voltage Metal-Oxide TFT by using Bilayer Stack of TiO ₂ and Ion-conducting Li-Al ₂ O ₃ Gate Dielectric Ms.NILA PALIIT Banaras Hindu University, India
1583	CP-1607	1896	Negative dry film photoresist for production of metallic microstructure mold Mr.M G SRINIVASAN SRM Institute of Science and Technology, India
1584	CP-1608	1923	Metal Organic Framework (MOF) templated Co ₃ O ₄ cubes for Extended Gate Field Effect Transistor (EGFET) based Glucose Sensor Mr.Guru Prasad K SRM IST Kattankulathur, India
1585	CP-1609	1929	Green Nano-materials with Examples Mr.Karthik Bharadwaj A Siddharth Institute of Enginnering and technology, India
1586	CP-1610	1930	Highly Selective Self-Powered Gas sensor based on ITO/Fe ₂ O ₃ Nanorods/p-Si Photodiode Ms.Arbacheena Bora SRM IST Kattankulathur, India
1587	CP-1611	1942	Dynamic Conductance of Chiral Molecular Junctions: A First-Principles Study Mr.Thingujam Yaiphalemba SRM Institution of Science and Technology, India
1588	CP-1612	1965	Hydrothermally synthesized ZnO and ZnO – rGO nanorods. Effect of post – annealing temperature and rGO incorporation on hydrogen sensing Dr.Guru Nisha SRMIST, India

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1639	CP-1665	2575	Activated carbon incorporated polymer film based Extended Gate Field Effect Transistor (EGFET) for nonenzymatic glucose biosensor Mr.Prasanna APS SRM Institute of Science and Technology, India
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1644	CP-1670	7	Dr.Jashandeep Singh GULZAR GROUP OF INSTITUTES KHANNA LUDHIANA, India
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1707	CP-1734	317	Mr.Bahri hocineuniversity of larbi ben mhidiALGERIA
1708	CP-1735	323	Enhancing the field emission performance of graphene wrapped flower-like Co ₃ O ₄ nanoflake nanocomposite Dr.Partha Hajra Sarsuna College under Calcutta University, India

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1710	CP-1737	327	Mr.Taranga Dehury, Indian Institute of Technology BHU Varanasi, India
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1721	CP-1748	421	Optimization of Sputtered Lead based targets for Perovskite Film Formation Mr.Tomoya Goda Nara Institute of Science and Technology JAPAN
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1723	CP-1750	427	Deposition of MAPbI_3 perovskite thin films by low pressure chemical vapour deposition technique Ms.Nishchitha N K Mangaluru University Mangalagangothri, India
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1725	CP-1752	434	Core-Shell Cadmium Sulphide @ Silver Sulphide Nanowires Surface Architecture: Design towards Photoelectrochemical Solar Cells Mr.Avinash Chandrashekhar Visvesvaraya National Institute of Technology, India

1726	CP-1753	446	Study of liquid-phase ultrasonically exfoliated Cu _{0.4} Sn _{0.6} Se ternary alloy nanoparticles based photodetector Mr.KUNJAL SURESHCHANDRA P Department of Physics, Sardar Patel University,, India
1727	CP-1754	453	Tuned Optical and Electrical properties of Polyaniline on flexible cellulose substrate through Na ₂ S interaction Mr.Dipankar Das National Institute of Technology Agartala, India
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1729	CP-1756	456	Synthesis and Characterization study of Hg _x Cr _{2-x} S ₄ composite thin films prepared by Chemical Bath Deposition Technique Dr.Rajendrakumar Banshila Uttamrao Patil College of Arts and Sciences, India
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1731	CP-1758	466	Effect of Ammonium Salts on the Thermal Properties of Chitosan Based Polymer Composites Mrs.R Jeyanthi The Gandhigram Rural Institute, India
1732	CP-1759	469	Influence of Ti concentration on optical, structural and electrical proprieties of titania nano-crystalline films prepared by ultrasonic spray pyrolysis technique Mr.Ben khetta Okba University of Biskra, ALGERIA
1733	CP-1760	470	Enlarged Photodetection by Tailoring In ₂ O ₃ Nanowire Synthesized Using Glancing Angle Deposition Ms.Pheiroijam Pooja National Institute of Technology Nagaland, India

1734	CP-1761	483	Gomutra (cow urine) mediated synthesis of silver oxide nanoparticles incorporated into CA/PSf polymer as an effective dye adsorbent material Mrs.GOWRIBOY.N DEPARTMENT OF CHEMISTRRY, India
1735	CP-1762	484	Mrs.ANSHU PANBUDE IIITDM KANCHEEPURAM CHENNAI, India
1736	CP-1763	487	Spin coated bismuth vanadate thin film as an alternative electron transport layer for light emitting diode application Ms.Meenu Maria Solly Kalasalingam Academy of Research And Education, India
1737	CP-1764	494	Solvent Dependent Tuning of Blue-Green Emission of Chemically Synthesized ZnO Nanomaterials with High Colour Purity Ms.LAKSHMI KUMAR IIIT ISM DHANBAD, India
1738	CP-1765	495	Ms.Shafaque Rahman Jamia Millia Islamia, India
1739	CP-1766	510	Magnetization: A Probe to Evidence Magnetoelectric Coupling in Ferrite-Ferroelectric Composites Ms.Atiya Farheen University of Hyderabad, India
1740	CP-1767	523	Glass free CaV2O6 ceramic with low sintering temperature for microwave applications Mr.Masin B VSSC ISRO, India
1741	CP-1768	531	Spectral and Temporal Performance Enhancement in A Symmetric Co-Planar Au-Ge/AlGaAs/Au-Ge Natural Superlattice based MSM Photodetector Mr.TAMAGHNA MAITRA PRESIDENCY UNIVERSITY, India
1742	CP-1769	532	Effect of Ag substitution on enhancing thermoelectric power factor of nanostructured SnSe Mr.KALAIARASAN K ANNA UNIVERSITY CHENNAI, India

1743	CP-1770	535	Design and Preparation of NiCoS nanostructures on Ni foam for high-performance asymmetric Super capacitor application Mr.PRABAKARAN P GOVERNMENT ARTS COLLEGE, India
1744	CP-1771	545	Dr.Lucky Agarwal VIT Chennai, India
1745	CP-1772	548	α -Fe ₂ O ₃ /AmTiO ₂ heterojunction based photoanode with improved interfacial charge transport properties for enhanced photoelectrochemical water splitting Mr.Ramachandran Krishnan Periyar University, India
1746	CP-1773	549	Preparation of three dimensional porous Sn doped α -Fe ₂ O ₃ nanostructure for Photoelectrochemical Water Splitting application Ms.GEERTHANA Periyar University, India
1747	CP-1774	552	Asymmetric supercapacitor properties of fern-like nanostructured NiCo ₂ S ₄ synthesized through a one-pot simple solvothermal method Dr.Sagar Madhukar Mane Yeungnam University South KoreaKOREA, REPUBLIC OF
1748	CP-1775	554	The effect of nickel doping on the microstructure and conductivity of Ca(Ti,Al)O ₃ - δ for Solid Oxide Fuel Cell applications Dr.Narendar Nasani Centre for Materials for Electronics Technology, India
1749	CP-1776	560	Microstructural, Optical and Dielectric Variations in SnO ₂ Nanoparticles Synthesized via Surfactant Assisted Sol-Gel Route Dr.Deepa S Mar Athanasius College Autonomous Kothamangalm, India
1750	CP-1777	562	Calcination temperature dependent dielectric properties of nanocrystalline BaSnO ₃ Ms.Suvra Pal Jadavpur University, India

1751	CP-1778	575	Tadpole like beads – on - a - string shaped and Cornflakes shaped Electrospun nano PCL/PANI composite Electrode material for various biosensing applications Ms.SUMITHA M S GOVERNMENT COLLEGE FOR WOMEN THIRUVANANTHAPURAM, India
1752	CP-1779	577	Study of Physicochemical Properties of Nickel Doped Zinc Oxide Nanorods for Supercapacitor Applications Ms.Saniya Ayaz, Indian Institute of Technology Indore, India
1753	CP-1780	579	A Study on the Effect of Oxygen Flow Rate on the Optical Properties of RF sputtered a-GaOxThin Films on Corning glass substrate Ms.KEERTHANA C S School of Pure And Applied Physics ,MG university, India
1754	CP-1781	580	Disorder mediated metal- insulator transition in SrRuO ₃ thin film Ms.ANITA BAGRIUGC DAE CSR INDORE, India
1755	CP-1782	593	Spectroscopic Ellipsometric Studies of RF Magnetron Sputtered WO ₃ Thin Films Ms.Anjana S Nair School of pure and applied physics mg university, India
1756	CP-1783	598	Structure, Morphology and I-V Characteristics of Thermally Evaporated LaAlO ₃ Nanostructured Thin Films Dr.Sathish Sugumaran Central University of Tamil Nadu, India
1757	CP-1784	600	A Comparative Study of the Structural Analysis of Lithium Doped Nickel Oxide by Various Methods Ms.Anupama Deenbandhu Chhotu Ram University of Sci and Tech, India
1758	CP-1785	603	Surface modification and contact angle analysis of metal oxide nano core-shell based polymeric coatings for marine paint applications Dr.Jaya Verma IIT Delhi, India

1759	CP-1786	605	Superconducting and Normal State Properties of Quasi-One-Dimensional Nb ₂ Pd(S _{0.9} Te _{0.1}) ₅ Superconducting Fibers Mr.VINAY KAUSHIK UGC DAE CSR INDORE, India
1760	CP-1787	611	Impressive Shock Absorption Properties of Graphene nano flakes – Polyurethane (GNF-PU) Composite Mr.Shamal Laxman Chinke Department of Applied Physics DIAT Pune, India
1761	CP-1788	612	Effect of Temperature on Oxygen Loading and Yield of Graphene Oxide Ms.Pratiksha Madhukar Bir Institute of Chemical Technology Mumbai, India
1762	CP-1789	615	Synthesis and Photo electrochemical stability of Iron oxide nano sheets fabricated by anodizing Iron Mr.Jaffar Farooq Mir National Institute of Techno, India
1763	CP-1790	619	Dr.Christian Mark Pelican Kyoto University JAPAN
1764	CP-1791	623	To study the improved surface properties of Ti ₆ Al ₄ V alloy using nitrogen ion implantation Dr.Suresh Namdevrao Kadam KETS V G Vaze College of Arts Science and Commerec, India
1765	CP-1792	630	Polymer-based transfer process modulated properties of polymer-encapsulated 2D materials Mr.Mukesh Pandey IIT Ropar, India
1766	CP-1793	631	Unusual Dielectric Behaviour of BZT-BCT Nano Pseudobinary System near TCP-Assisted Morphotopic Phase Boundary Dr.Rajim Ali Mondal Sukumar Sengupta Mahavidyalaya, India
1767	CP-1794	634	Ms.Suman Kumari IIT Patna, India
1768	CP-1795	637	Schottky metal-semiconductor-metal based GaN photodetectors on Si (111) using Laser MBE technique Ms.Gunjan Yadav UNIVERSITY OF DELHI, India

1769	CP-1796	638	Study of electronic properties of layered β – In ₂ Se ₃ thin films grown using PLD technique Ms.CHANCHAL University of Delhi, India
1770	CP-1797	641	Structural, magnetic and optical studies on Bi architecture α -Fe ₂ O ₃ /NiFe ₂ O ₄ nanostructures Mr.SATYAJEET JENA North Orissa University, India
1771	CP-1798	642	ZnO@SiO ₂ intermixed Polyaniline (PANI)-Polyurethane (PU) hybrid nanocomposite membrane for cationic dye decolorization Ms.Sivasankari S SRMIST, India
1772	CP-1799	643	Measurement of Dielectric properties of solid solution of Ba(1-x)Sr(x)TiO ₃ at Microwave frequency using DAK-TL for Microwave applications Mr.ROHIT UNIVERSITY OF DELHI, India
1773	CP-1800	645	Effect of Al ₃ doping on the electropolymerized polyaniline (PAni) thin films for supercapacitor application Ms.Keya Sahu IIT Dhanbad, India

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Track-10 and Track 11

1774	CP-1801	650	Effect of Dopant Acid on the Crystalline, Morphological and Optical Properties of Hydrothermally Grown Polyaniline Nanostructures Ms.Keya Sahu IIT Dhanbad, India
1775	CP-1802	656	Activated carbon fabricated from Cow dung supported Polyoxomolybdate electrode Material for Electrochemical Applications Mrs.ANJANA A V NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, India
1776	CP-1803	657	Experimental Investigation of Mechanical and Microstructural Properties of E250BR material by using different welding processes Mr.Aamir R Sayed Poornima University, India
1777	CP-1804	659	Synthesis of Cu-doped ZnS nanoparticles by chemical co-precipitation method Mr.Reddivari Muniramaiah NIT Warangal, India
1778	CP-1805	660	Electrical conduction mechanism in nanocrystalline ZnO induced by donor/acceptor doping Dr.NIHAR RANJAN PANDA IIT BHUBANESWAR, India
1779	CP-1806	664	Studying the effects Cu doping on structure and photoluminescence properties of SnO ₂ nanoparticles with its effectiveness for the mineralization of toxic industrial dyes Dr.DOJALISA SAHU CENTURION UNIVERSITY, India
1780	CP-1807	665	Effect of annealing temperature on the magnetic domain structure and surface mechanical properties of Ni-C composite thin films: Magnetic and Lateral Force Microscopy, and Force-Distance Spectroscopy Mr.Mukesh Kumar Pandey IIT ISM Dhanbad, India

1781	CP-1808	669	Metal Concentration Dependent Surface Mechanical and Frictional Properties of Electrodeposited Nickel Incorporated Diamond-Like Carbon (Ni-DLC) Thin Films Studied by Force-Distance Spectroscopy and La Ms.SUMAN SAHAY IIT ISM DHANBAD, India
1782	CP-1809	670	Growth and Gd doping of ZnO nanostructures for enhanced structural, optical properties and photocatalytic applications Mrs.DEBASRITA ADISH CENTURION UNIVERSITY, India
1783	CP-1810	672	Magnetic field induced strain in polycrystalline Ni ₅₀ Mn ₂₉ Ga ₂₁ ferromagnetic shape memory alloy Dr. A. Satish Kumar R G U K T, India
1784	CP-1811	675	Probe Anchored Porous Polymer Monolith based Solid Sensor for Colorimetric Analysis of Co ²⁺ Ms.K. Sangeetha VIT, India
1785	CP-1812	676	Hierarchical α -Fe ₂ O ₃ / MnO ₂ /rGO ternary nanocomposite as electrode materials for high performance supercapacitor application Ms.GEERTHANA Periyar University, India
1786	CP-1813	679	Synthesis of penta fluoro styrene based polymer nanocomposite using carbon nanotubes based macroinitiator by single electron transfer-living radical polymerization for solid state lithium ion battery Dr.ADHIGAN MURALI ARSTPS CIPET, India
1787	CP-1814	686	Bandgap Engineering of Nanostructured TiO ₂ Thin Films by Swift Heavy Ion Irradiation Ms.Pooja Karma School of Instrumentation DAVV Indore, India
1788	CP-1815	689	Structural, Magnetic and Mossbauer Studies in Melt Spun Y _{1-x} Tb _x Fe ₂ Alloys Dr.J AROUT CHELVANE Defence Metallurgical Research Laboratory, India

1789	CP-1816	690	Optimizing the thermal performance of finned Al/diamond composite foams by incorporating nano-engineered interfaces Ms.Lucila Paola Maiorano University of AlicanteSPAIN
1790	CP-1817	694	Synthesis of polyethylene oxide based polymethyl methacrylate-block- polymethyl methacrylic acid electrolyte for solid state lithium ion battery application Mr.Ashok vallal SRM IST, India
1791	CP-1818	697	MORPHOLOGICAL AND OPTICAL PROPERTIES OF STRONTIUM DOPED COPPER OXIDE Mrs.Angayarkanni S The Madura College, Madurai, India
1792	CP-1819	698	IMPACT OF GATE LENGTH IN DOUBLE QUANTUM WELL In 0.7 Ga 0.3 As/InAs/ In 0.7 Ga 0.3 As /InAs/ In 0.7 Ga 0.3 As CHANNEL HIGH ELECTRON MOBILITY TRANSISTORS IN NANO REGIME Ms.MANJU KV BANNARI AMMAN INSTITUTE OF TECHNOLOGY, India
1793	CP-1820	701	Tunable Fluorescence in Fluorine Doped Carbon Dots Derived from Folic Acid Ms.AKHILA MURALI J Department of Physics University of Kerala, India
1794	CP-1821	702	Enhanced Energy Storage Density and Effects of Donor-Doping in Co-Substituted Sodium Bismuth Gadolinium Titanate Nano Ceramics Mr.Cilaveni Goutham, Indian Institute of Technology Hyderabad, India
1795	CP-1822	704	Optical studies of Y ₂ O ₃ : Eu ³⁺ phosphor materials prepared by solid state reaction method Mrs.SREEJAYA T S DEPT OF PHYSICS, India
1796	CP-1823	705	Mr.Sivanantham National Institute of Technology Tiruchirappalli, India

1797	CP-1824	712	Correlation Between Fractal Morphology and Capativity of rGO, PANI, and PANI/rGO/Ag ₂ O Nanocomposites with Different Ag Content Mr.Sayantan Sinha National Institute of Technology Manipur, India
1798	CP-1825	722	Hydrophilic ZnO nanorod array-reduced graphene oxide hybrid nanocomposites for photoelectrochemical applications Dr.Santhosh Kumar A Chaitanya Bharathi Institute of Technology, India
1799	CP-1826	725	Tribological and mechanical properties of hybrid composites of Copper reinforced with nanomaterials Mr.Kamaljit Singh Maharaja Agrasen University, India
1800	CP-1827	726	Correlation Between Fractal Morphology and Capativity of rGO, PANI, and PANI/rGO/Ag ₂ O Nanocomposites with Different Ag Content Mr.Sayantan Sinha National Institute of Technology Manipur, India
1801	CP-1828	728	Effect of Lithium doping on electrical properties of Potassium Sodium Niobate thin films Ms.Shweta Sharma University of Delhi, India
1802	CP-1829	733	Laser-power Dependent Fano Asymmetry in Raman Modes of Rare Earth Oxides Mr.Souvik Bhattacharjee Jadavpur University, India
1803	CP-1830	734	Effect of electric field screening on field emission current density of vertically aligned carbon nanotubes grown on patterned substrate Mr.GULSHAN KUMARIIT Delhi, India
1804	CP-1831	742	Synthesis characterization and Electromagnetic Shielding Effectiveness Studies on PANI/Fe nanoparticle Conducting Polymer Composites Mr.Harish RPES University EC Campus, India

1805	CP-1832	744	The study of morphology, optical, electrochemical properties of silver decorated reduced graphene oxide nanocomposite Ms.NAOREM ARUNA DEVI National Institute of Technology Manipur, India
1806	CP-1833	752	A study on the influence of alkali co-doping in Co:ZnO thin films Dr.Ramasubramanian Swamin Amrita Vishwa Vidyapeetham, India
1807	CP-1834	756	Instant activation of Sn doped α -Fe ₂ O ₃ photoanode by rapid annealing process for photoelectrochemical water splitting Mr.Ramachandran K Periyar University, India
1808	CP-1835	765	Liquid exfoliated Natural layered vermiculite clay for dielectric gating applications Mr.Abimannan S SRM IST, India
1809	CP-1836	769	Effect of Al dopant on Morphological, Structural and Optical properties of ZnO Thin Films Dr.S LEELA Ethiraj College for Women, India
1810	CP-1837	771	Synthesis of rhodamine immobilized zwitterionic poly (methyl methacrylate) electrolyte for solid state lithium ion battery Dr.Adhigan Murali ARSTPS CIPET, India
1811	CP-1838	775	Influence of Fe doping on the structural and optical behavior of ZnO thin films Dr.T Deeparani Kongu engineering college, perundurai, erode, Tami, India
1812	CP-1839	777	Sulphonated Poly(ether ether ketone)-Polybenzimidazole/Minerals substituted Hydroxyapatite Composite Coating on 316L Stainless Steel for Biomedical Applications Dr.D Rajeswari Dhirajlal Gandhi College of Technology Salem, India

1813	CP-1840	778	Synthesis of zwitterionic poly (methyl methacrylate) composite using polyethylene oxide based macroinitiator by single electron transfer-living radical polymerization for solid state lithium ion batte Mr.Sekar SCIPET, India
1814	CP-1841	785	Analysis of optical properties of TiO ₂ nanoparticles dispersed cholesteric liquid crystal Ms.SUGURU PATHINTI RAMADE National institute of technology warangal NITW, India
1815	CP-1842	790	Effect of Cr/N Co-doping on Optical and Gas Sensing Properties of TiO ₂ Thin Films Ms.Pooja Karma School of Instrumentation DAVV Indore, India
1816	CP-1843	792	Pulsed laser Irradiated SnO ₂ nanostructured thin films for enhanced LPG detection at lower operating temperature Dr.K Prasannakumari Mar Athanasius College of Engineering, India
1817	CP-1844	793	Multiwall Carbon Nanotube modified Copper Oxide Thin Films for Solar Thermal Applications Mr.MURUGESAN NAGARSETHU INSTITUTE OF TECHNOLOGY, India
1818	CP-1845	798	Room Temperature Nanoindentation Creep Characteristics and Strain Rate Sensitivity of Nanocrystalline AlCuCrFeMnW _x High Entropy Alloys Mr.DEVESH KUMAR POORNIMA UNIVERSITY, India
1819	CP-1846	804	Mr.A John Kaspar SRM Institute of Science and technology, India
1820	CP-1847	809	Investigations on Ultrathin Gold Nanowires Ms.Aiswarya Mohan Department of Optoelectronics, India
1821	CP-1848	815	Random oriented ZnO nanorods fabricated through anodization of zinc in KHCO ₃ electrolyte Mr.Ab Mateen tantray NIT SRINAGAR JAMMU AND KASHMIR, India

1822	CP-1849	818	Role of annealing temperature on the characteristics of AuCl ₃ doped MoS ₂ film Mrs.Diana Pradhan NIT Rourkela, India
1823	CP-1850	823	Comparative analysis of microstructural, electrical and humidity sensing properties of p-type (NiO) and n-type (ZnO) nanoparticles Mrs.Vernica Verma University of Lucknow, India
1824	CP-1851	826	Synthesis and Application of Silver Nanowires as Flexible Electrode in Photovoltaic Dr.MANJEET SINGH University of Petroleum and Energy Studies, India
1825	CP-1852	827	Role of Deformation and ageing on the formation of Nano-grains and Nano-sized precipitates in Nickel free Austenitic Stainless Steel Dr.Sourabh Shukla G H Rasoni College of engineering, India
1826	CP-1853	834	Formation of a CuS hexagonal nanosheets using solvothermal method and its field emission behaviour. Mr.Chetan Dilip Mistari Department of Physics SPPU Pune, India
1827	CP-1854	837	Structural Thermal and FTIR studies of pure and cobalt doped ZnO Nanoparticles Mr.Neel Amratbhai Patel Veer Narmad South Gujarat University, Surat, India
1828	CP-1855	838	Photo-conducting Properties of nano-structured Cd _{1-x} Al _x S Thin Films Dr.Richa Pareek S S Jain Subodh Girls P G College Sanganer Jaipur, India
1829	CP-1856	839	Compositional variation of dielectric and magnetic parameters in Ni _{0.5} Mg _x Zn _{0.5-x} Fe ₂ O ₄ spinel ferrites Mrs.NEELAM HOODA DCRUST, MURTHAL, India
1830	CP-1857	841	Design and Development of PMUTs with Fluid Filled Cavities Mr.Kritank Kalyan, Indian institute of science, India

1831	CP-1858	843	Dielectric and magnetic study of NiCuZn spinel ferrites Mrs.Reena Sharma DCRUST, Murthal, India
1832	CP-1859	844	Growth of xyz Mr.Md Samim Reza, Indian Institute of Technology Delhi, India
1833	CP-1860	846	Humidity sensing of Anodic Alumina based Capacitive Sensor in Low Parts Per Million (ppm) Domain Dr.M A Shah NIT Srinagar, India
1834	CP-1861	850	Relative Study of Cast Iron material welded joints to accomplish the process parameters by diverse welding processes Mr.Aamir R Sayed Poornima University, India
1835	CP-1862	851	Synthesis and Optical characterization of Cu(mq) ₂ particles with CTAB for OLED Applications Dr.V.Bharathi Devi Dr.M.G.R.University, India
1836	CP-1863	854	Design, Development and Contrivance of humidity sensing of porous alumina fabricated in different acids Mr.M A Mir NIT Srinagar, India
1837	CP-1864	859	Influence of chromium ions on the photovoltaic device performance of CuInSe ₂ thin films Dr.Prabukanthan Peethamba Muthurangam Government Arts College, India
1838	CP-1865	862	Mr.Annamalai National Centre for Nanoscience and Nanotechnology, India
1839	CP-1866	871	Improve the Performance of CIGS Solar Cells by adding a SnS BSF layer Dr.Mohammed Mostefaoui Ecole Supérieure en Informatique,ALGERIA
1840	CP-1867	872	Ab-initio investigation on optoelectronic properties of BeGeP ₂ -Based solar cells applications Dr.BENNACER Hamza Mohamed Boudiaf University of MsilaALGERIA
1841	CP-1868	876	Mr.Sagar Sen Davv indore, India

1842	CP-1869	888	Synthesis and Optical characterization of Zn(mq) ₂ particles with Polyvinyl pyrrolidone(PVP) for OLED Applications Mrs.JPSuchitra Dr MGR Educational research institute, India
1843	CP-1870	902	Investigation on the physical properties of NiO thin films deposited by nebulized spray pyrolysis technique Dr.V Gowthami VISTAS, India
1844	CP-1871	914	Dr.PONNAMSATEESH SREEDATTHA INSTITUTE OF ENGINEERING AND SCIENCE, India
1845	CP-1872	915	Ms.Himani Eternal University, India
1846	CP-1873	916	Recent Advances in suppressing ambipolarity by contact engineering two-dimensional semiconductors Mr.mohammed ismail beddia university of science and technology Beijing, ALGERIA
1847	CP-1874	918	Mr.DEEPAK KUMAR JARWAL IIT BHU VARANASI, India
1848	CP-1875	921	Influence of Surfactants on the Photocatalytic Activity of MoO ₃ by Co- Precipitation method Mrs.T. Usha Devi Kongunadu Arts And Science College, India
1849	CP-1876	925	New insights in the copper oxides electrodeposition from Ionic liquids and from Deep Eutectic Solvents based Lithium baths Ms.Nadia ZAIDI university of Bejaia AlgeriaALGERIA
1850	CP-1877	930	Tuning electronic properties of layered TMDCs and other 2D materials Mr.Sahil Dani IIT Ropar, India
1851	CP-1878	938	Mr.Jayanth Ivvala Shiv Nadar University, India

1852	CP-1879	944	Low temperature facile synthesis of nanocrystalline CaSiO ₃ dielectric material from natural resources Mr.Palakurthy Srinath National Institute of Technology, Warangal, India
1853	CP-1880	951	Ms.akansha Khandelwal IISdeemed to be university, India
1854	CP-1881	954	Synthesis of spinel nanocrystalline ZnFe ₂ O ₄ : Structural, Optical, Magnetic and Electrical properties Dr.Sasirekha Chelladurai The Gandhigram Rural Institute DTBU, India
1855	CP-1882	960	STRUCTURAL AND OPTICAL PROPERTIES OF ZnO AND Ni DOPED ZnO NANOPARTICLES Mr.R. Balaji MUTHURANGAM GOV ARTS COLLEGE, India
1856	CP-1883	963	Sol-gel Synthesis of ZnO Nanostructures and its Structural Study through Rietveld Mr.DEBASHIS MANDAL Raiganj University, India
1857	CP-1884	967	High pressure micro-Raman studies on Fe ₁₀ Te ₆₅ Se ₂₅ chalcogenide glass Dr.KATHIRVEL V SRMIST KTR, India
1858	CP-1885	988	Dr.Shweta Chaure College of Engineering Pune, India
1859	CP-1886	995	Structural, morphological and photoluminescence studies of Gd:Y ₂ O ₃ nanocrystals synthesized by co-precipitation method Dr.P ANANDANTHIRU KOL ANJIAPPAR GOVERNMENT ARTS COLLEGE, India
1860	CP-1887	1000	Mr.Bhaskar Das Sister Nibedita Govt Gen Degree College for Girls, India
1861	CP-1888	1006	Effect of Deposition Potential on the Growth and Properties of InSb Thin Films Mr.JOGINDER SINGH2 School of Studies in Physics, Jiwaji University,, India

1862	CP-1889	1017	Spectroscopic Investigation of tunable size PbS nanocrystals embedded in PEO Matrix Dr.Miteshkumar Harishbhai Analube Lab PDPIAS CHARUSAT University, India
1863	CP-1890	1025	Mrs.Abinaya SRM IST Ktr, India
1864	CP-1891	1026	Mr.V VIJAY SRM IST, India
1865	CP-1892	1036	Effect of process parameters for the synthesis of pure Ti ₃ SiC ₂ MAX phase Mr.N USHA KIRAN CSIR IMMT, India
1866	CP-1893	1043	Optical, dielectric properties and impedance spectroscopy of RF sputtered nanocrystalline (Mg _{0.95} Zn _{0.05})TiO ₃ films for optical and electronic applications Dr.D Pamu, Indian Institute of Technology Guwahati, India
1867	CP-1894	1054	Structure-Property Correlation in Li ₄ Ti ₅ O ₁₂ Thin Films Grown at Different Growth Conditions Mrs.SRUTHY SUBASH SRM IST KTR, India
1868	CP-1895	1057	Investigation on Structural, Morphological and Dielectric characteristics of Sol-gel derived Co doped ZnO nanoparticles Prof.M Sivaraman The Gandhigram Rural Institute DTBU, India
1869	CP-1896	1063	Wet Chemical Assisted Synthesis of Self Assembled Tellurium Nanostructures with Enhanced Dispersion Dependent Stability Ms.Monika Saxena UGC DAE Consortium for Scientific Research Indore, India
1870	CP-1897	1071	Mr.Simon Patrick D SRM Institute of Science and Technology, India
1871	CP-1898	1079	Studies on Electrical conductivity of Polyethylene terephthalate (PET) thin film material Dr.Sivakumar R Easwari Engineering College, India
1872	CP-1899	1083	A Sol-Gel Synthesis of TiO ₂ : ZnO Film for Solar Photovoltaic Application Mr.natarajan p Pondicherry Engineering College, India

1873	CP-1900	1088	Effect of spontaneous superlattice ordering on the optical properties of MOCVD grown Al _{0.2} Ga _{0.8} As/GaAs (100) Dr.Anway Pradhan Saha Institute of Nuclear Physics, India
1874	CP-1901	1098	Influence of Fe doping on the optical properties and photocatalytic ability of spin coated Fe doped brookite TiO ₂ thin films Mrs.Eppa Radha Osmania University, India
1875	CP-1903	1112	Perovskite Type Multiferroic Materials For Multiple State Memory Elements and Other Integrated Ferroelectric Devices Mrs.V.Uma Muthurangam Gvernment Arts Collegevellore, India
1876	CP-1904	1116	Structural and spectroscopic features of rare earth ions doped TiO ₂ nanophosphor thin films Mr.Durgam Komaraiah Osmania University Hyderabad, India
1877	CP-1905	1124	Hydrothermal Growth of Flower-like Zinc Oxide Nanostructures and its Optical Properties Dr.PIJUS KANTI SAMANTA PRABHAT KUMAR COLLEGE CONTAI, India
1878	CP-1906	1162	Investigation of ellipsometric, nonlinear optical and microwave dielectric properties of lead-free Bi _{0.5} Na _{0.5} TiO ₃ thin films grown by PLD Dr.SRINIVAS PATTIPAKA Vardhaman College of Engineering Hyderabad, India
1879	CP-1907	1167	Dopant Concentration Depended Variation of Optical Band Gap Variation of Copper Oxide Thin Films Prepared by Sol-Gel Technique. Mr.VANSU E SRM IST, India
1880	CP-1908	1168	Resistive Switching in BiFeO ₃ Thin Films For Memory Applications Mr.shiva lamichhane Electronic Material and Device Laboratory, India

1881	CP-1909	1170	Liquid exfoliated boron nitride nanosheets using phytochemicals for thermal management application Ms.Vanmathi R SRM IST, India
1882	CP-1910	1178	Incorporation of nanoparticles to thin film absorber layer for enhanced light absorption Mr.Thatheyus peter X SRM, India
1883	CP-1911	1195	Low Voltage and High-performance IZTO Thin Film Transistor Based on Solution Processed Ion Conducting Dielectric Mr.Vishwas Acharya University College of Engg and Tech Bikaner, India
1884	CP-1912	1206	Thickness dependent structural, electrical and optical properties of Pulsed Laser Deposited Al doped ZnO thin films Mr.JAYASEELAN V SRM Institute of Science and Technology, India
1885	CP-1913	1213	Growth and characterisation of ZnTe and Cu-ZnTe thin films as buffer layer for CdS/CdTe solar cells Mr.Shivaji Madhukar Sonaw Savitribai Phule Pune University, India
1886	CP-1914	1224	Low- cost electrochemical synthesis and characterizations of CdTe thin films for photovoltaic solar cell. Mrs.Aparna Satish Ukarand Savitribai Phule Pune University Pune 07, India
1887	CP-1915	1231	Bipolar resistive switching in magnetostrictive Ni/PZT/Pt structure for Non-Volatile memory applications Dr.Savita Sharma Kalindi College, India
1888	CP-1916	1248	Role of Surface Roughness on Magnetic Property of Co/Ni Multilayer Thin Films Mr.BODOSA BRAHMA CIT KOKRAJHAR, India
1889	CP-1917	1251	‘Go green with biopolymer composites – Synthesis of Starch-Chitosan blend film Ms.ELIZABETH PAULMAR ATHANASIUS COLLEGE, India

1890	CP-1918	1259	Investigation on photoresponse characteristics of ZnO-based photodiodes and passivation effect of PEDOT:PSS layers. Mr.ASIF RASOOLBS Abdur Rahman Institute of Science and Technology, India
1891	CP-1919	1265	Polysaccharide composite film as an alternative of food packaging material Mr.SAZZADUR RAHMAN IASST, India
1892	CP-1920	1266	Improved UV photodetector performance of NiO films by substitutional incorporation of Li Mr.PENNA VENKATA KARTHIK IIITDM, Kancheepuram, India
1893	CP-1921	1278	Surface topography and roughness measurement of CoTbCu alloy films fabricated by DC magnetron sputtering Mr.Rajib Kumar Basumatary Darrang College, India
1894	CP-1922	1280	Investigation of Electrical and optical properties of n-Zn _{1-x} Mn _x O/p-GO-PANI hybrid solar cell Mr.Dipak Amrut Tonpe Department of Nanotechnology Dr BAM University, India
1895	CP-1923	1294	Sputtered undoped NiO Thin films for Photovoltaic Applications Mr.AASIM HUSSAIN JAMIA MILLIA ISLAMIA, India
1896	CP-1924	1299	Localized Electrochemical Impedance Spectroscopy: In-Situ Corrosion Characteristics of AISI 304 SS Subjected to Surface Mechanical Attrition Treatment Dr.T. Balusamy Sri Venkateswara College of Engineering, India
1897	CP-1925	1302	Plasmonic Effect of Gold Nanoparticles on CdTe Thin Films for Photovoltaic Application Ms.DIPMALA PRABHAKAR SALI Department of Physics SPPU, India
1898	CP-1926	1305	Enhanced photoluminescence in polyaniline nanotubes through suppression of singlet exciton-polaron interaction Ms.Smita Dey IITISM Dhanbad, India

1899	CP-1927	1306	Dr.Abu Mohd Pharhad Hussa Cotton University, India
1900	CP-1928	1312	Dr.KALAIEZHILY R K SRM institute of science and technology, India
1901	CP-1929	1315	Reduced Graphene Oxide Based Chemiresistive Sensor for Pb (II) Sensing Ms.Madhurima Deb, Indian Institute of Technology Bombay, India
1902	CP-1930	1318	Effect of lattice strain on the spontaneous and conventional exchange bias effects in ESMO/LSMO bilayers hetero structures Mr.CHITIMIREDDY PRASHANTH National institute of technology, Andhra Pradesh, India
1903	CP-1931	1321	A Comparative Experimental and First-Principle Study of SnO ₂ Thin Films Deposited by Sputtering System Dr.Akkili Viswanath Gowd, Indian Institute of Technology ISM Dhanbad, India
1904	CP-1932	1323	Tunable photoluminescence of pulsed laser deposited flower-like P doped ZnO nanostructures Dr.RAMANJANEYULU MANNAM Vignan university, India
1905	CP-1933	1340	Stoichiometric and Highly Crystalline CIGS Thin Film Grown by Radio Frequency (RF) Sputtering Mr.Sachin Vijay Desarada Savitribai Phule Pune University, Pune, India
1906	CP-1934	1351	Mr.S Rajagopal VISTAS, India
1907	CP-1935	1355	Nanosheets based thin films for fire retardant coatings on wood Ms.Anagha Manohar University of Madras, India
1908	CP-1936	1364	High Entropy Alloy coating as protective layer for Solid Oxide Fuel Cell Interconnect Mrs.DISNA SAHANE SRM Institute of Science and Technology, Chennai, India

1909	CP-1937	1366	Mr.Vibavakumar S SRM IST, India
1910	CP-1938	1368	Ring and linear copolymer blend thin-films under shear Dr.Shagolsem Lenin Singh NIT Manipur, India
1911	CP-1939	1376	Structural and Optical Properties of Copper Doped Zinc Oxide Thin Film Deposited by Reactive Sputtering Technique Mr.Mohibul Khan Aliah University, India
1912	CP-1940	1391	Photodetectors Functionalized by Nano Flakes of WSe ₂ Ms.Jolly Mary Joy Sardar Patel University, India
1913	CP-1941	1397	Gas sensing properties of nanocrystalline nickel ferrite(NiFe ₂ O ₄) thin films prepared via microwave-assisted process Dr.Srinidhi MBMS College of Engineering, India
1914	CP-1942	1408	Crafting of Nano-rod self-assembling System: From Synthetically Well-designed Triazole based Molecule Mr.swayam prajna saho CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, India
1915	CP-1943	1421	Structural Stabilization of FAPbI ₃ by doping Cs Ms.Arunodaya J SRM IST, India
1916	CP-1944	1426	Investigation on cyclic oxidation behaviour of FeCoCrMnNi and FeCoCrMn _{0.5} Ni High entropy alloy powder compacts Mrs.Arathi Sasikumar SRM Institute of Science and Technology, India
1917	CP-1945	1438	In-situ growth and magnetic anisotropy of epitaxial Fe film on ion-sculpted Ag (001) substrate Mr.ANUP KUMAR BERA UGC DAE CSR INDORE, India
1918	CP-1946	1442	Structural Stabilization of FAPbI ₃ thin film mediated by CuI Ms.Arunodaya J SRM IST, India

1919	CP-1947	1443	Dielectric and complex impedance spectroscopic studies of microwave synthesized cupric oxide nanoparticles Prof.Rohini Shrikrishna B Vishwakarma Institute of Information Technology, India
1920	CP-1948	1446	Structural, microstructural, and Dielectric properties of Na and Ho doped SrBi ₄ Ti ₄ O ₁₅ ceramics Mr.G Rajashekhar vardhaman college of engineering, India
1921	CP-1949	1458	Investigation of Electrochemical properties of La ₂ SrV ₂ O ₉ Perovskite Thin film Prepared by Pulsed Laser Deposition Investigation of Electrochemical properties of La ₂ SrV ₂ O ₉ Perovskite Thin film Prepared Mrs.N.Gouthami Karunya institute of Technology, India
1922	CP-1950	1460	The effect of thin-film thickness on structural, morphological and optical properties of sputtered ZnTiO ₃ Mr.H SRINIVASA VARAPRASAD Andhra University college of Engineering, India
1923	CP-1951	1470	Surface film formation of carbon steel in aqueous solution by new inhibitor formulations Dr.PRABAKARAN M ERODE SENGUNTHAR ENGINEERING COLLEGE, India
1924	CP-1952	1488	Enhanced Saturable Absorption Behaviour of rGO Wrapped BBO Hybrid Film Ms.Dhanusha A Bharathidasan University, India
1925	CP-1953	1492	Synthesis and Characterization of CZTS thin films prepared by Radio Frequency (RF) Sputtering technique Mr.Kalyan Babasaheb Chava Department of Physics Ahmednagar College, India
1926	CP-1954	1509	Template free approach to develop ZnS nanoparticles for photodegradation of dye pollutants Dr.Rohini Ashish Khaparde Department of Physics Dr Ambedkar College, India

1927	CP-1955	1516	Enzyme free Electrocatalysts based on Transition Metal Phosphide Nanostructures for the Glucose Oxidation Reaction Mr.shankar SRM IST, India
1928	CP-1956	1528	Surface modification of silicon to enhance dual antireflective and hydrophobic nature Ms.Ankita Chandra Jadavpur University, India
1929	CP-1957	1532	Microstructural thermo-mechanical properties of sustainable waste based geopolymer cements with nano alumina additives Mrs.N Poornima SRM IST, India
1930	CP-1958	1549	Physics and chemistry of Sol-gel auto-combustion technology for the fabrication of magnetic nanoparticle Dr.ANIL VITHALRAO RAUT Department of physics, Vivekanand Art&TM's and Sard, India
1931	CP-1959	1555	Unsteady two dimensional thin film flow over a heated stretching sheet in presence of uniform transverse magnetic field Ms.Palky Handique NIT Arunachal Pradesh Yupia, India
1932	CP-1960	1556	Novel synthesis nanostructured spinel NiFe ₂ O ₄ and CoFe ₂ O ₄ for high-performance supercapacitors Dr.Apparao Ramrao Chavan Sir Prashurambhau College Pune, India
1933	CP-1961	1561	Study of Cu ₂ ZnSnS ₄ (CZTS) ink prepared by Microwave Process for solar cell application Ms.Krupa Patel Uka Tarsadia University, India
1934	CP-1962	1562	Investigating the Aging Effect of PEM – Nafion 117 Electrolyte for Energy Applications Ms.SEEMA SETHURAMAN Manonmaiam sundaranar university, India
1935	CP-1963	1569	Graphene Metamaterials for Electromagnetic wave manipulation Ms.Arpita Mishra IIT Bombay, India

1936	CP-1964	1575	Metal, non-metal and narrowband-semiconductor doped solar light-driven photocatalytic hydrogen production of SnO ₂ Mr.Aashish Moses BITS Pilani Goa Campus, India
1937	CP-1965	1581	Improved sensing response of CO gas at lower concentration in spray pyrolysed Ga: ZnO nanostructures Ms.Aninamol Ani Manipal Academy of Higher Education, India
1938	CP-1966	1588	Development of ZnO thin film by Atomic Layer deposition technique for ammonia gas sensing application Mrs.Lidiya I Cochin University of Science and Technology, India
1939	CP-1967	1600	Crystal Structure, Microstructure and Dielectric Properties of Lead-Free (Ba _{0.87} Ca _{0.13})(Zr _{0.90} Ti _{0.10})O ₃ Piezoceramics Dr.VIJAYETA PALIIT BHU, India
1940	CP-1968	1601	Facile, low-temperature sol-gel auto-combustion method and characterization of Cd-doped CoFe ₂ O ₄ NPs for photocatalytic degradation of methylene blue dye Dr.Rahul Ramesh Chilwar Yogeshwari Mahavidyalaya Ambajogai, Beed 431517 MS, India
1941	CP-1969	1604	Morphology depended acetone sensing behavior of Tungsten Oxides Ms.Puja Ghosh CSIR Central Glass and Ceramic Research Institute, India
1942	CP-1970	1609	Facile solvothermal method for the Synthesis of nano-compound GdF ₃ :Eu ³⁺ : Study of their morphology Mr.Punazungba Nagaland University, India
1943	CP-1971	1610	Effect of alloying additions on microstructural evolution in Multi-Component AlCoFeNiX (X=Cr/Zr/Mn) alloys Mr.Prince Wesley V SRM Institute of Science and Technology, India

1944	CP-1972	1611	Oxidative Polymerization of Polyaniline (PANI) colloids with different oxidizing agents Dr.ASHWINI BABURAO ROHOM Arts, Commerce science and computer science colleg, India
1945	CP-1973	1613	Spin Current Manipulation Mr.Soumik Aon IISER Kolkata, India
1946	CP-1974	1616	Ion beam sputtering induced surface structuring of low density polyethylene Ms.Rimpi Kumari Kurukshetra University, Kurukshetra, India
1947	CP-1975	1617	Temperature Dependent Structural Magnetic and Dielectric Properties of NiFe ₂ O ₄ Nanoparticles Ms.PPriyadharshini Government Arts College, India
1948	CP-1976	1621	Cardanol based halogen free flame Retardant polybenzoxazine nano composites for high performance applications Dr.K Krishnadevi VFSTR, India
1949	CP-1977	1629	Study of nonlinear optical properties of Mg _{0.28} Zn _{0.72} thin film Ms.shujala parveen sheikh school of physics, India
1950	CP-1978	1631	Role of Growth Pressure and Temperature in Nucleation of Chemical Vapor Deposited MoS ₂ 2D Crystals Mr.Paxton Paul Self employed, India
1951	CP-1979	1635	Synthesis and Characterization of High Entropy Alloys (HEAs): Enhancing Mechanical and Tribological Properties of Friction Stir Processed Aluminium Matrix composites with HEAs for Aerospace Applicatio Mr.Lokeswaran SRMIST, India
1952	CP-1980	1640	Effect of Fe doping on Electrical and Magnetic properties of CaTiO ₃ Dr.Paramjit Kour Birla Institute of Technology Mesra Patna Campu, India

1953	CP-1981	1642	Synthesis and characterization of NiFe ₂ O ₄ NPs towards H ₂ production by water splitting under visible light Mr.Mangesh Khedkar DEPARTMENT OF PHYSICS DR BAMU, India
1954	CP-1982	1649	Synthesis and Characterisation of Manganese Substituted Bismuth Ferrite by Microwave Assisted Method Prof.S S R Inbanathan The American College, India
1955	CP-1983	1651	Energy band alignment and defects study of Mo _{1-x} W _x S ₂ monolayer ternary alloys Mr.VIJAYKUMAR MURUGAN SRM Institute of Science and Technology, India
1956	CP-1984	1658	Influence of solvents in the preparation of BaSnO ₃ nanopowders and its physical and optical characteristic changes Ms.HABEEBA KNGM College Pollachi, India
1957	CP-1985	1661	Fabrication, characterization and simulation of tunable 3D self-assembled photonic crystal Mr.Ajinkya Palwe, Indian Institute of Technology Bombay, India
1958	CP-1986	1665	Er ₃ Doped Titania Photoanode for Enhanced Hydrogen Production Through PEC Water Splitting Mr.VENKATA SESHIAH KATTAIT HYDERABAD, India
1959	CP-1987	1666	Protein Adsorption behaviour on amine self-assembled monolayers modified surfaces Mr.Aman BhardwajIIT Guwahati, India
1960	CP-1988	1676	XPS, XANES, Density functional, and Impedance spectroscopy studies: To Investigate Dopants Induced Properties in Sm and Gd Double Doped Ceria Nanoparticles as the Electrolyte for IT-SOFCs Dr.SHRADDHA C SHIRBHATERTMNU NAGPUR, India
1961	CP-1989	1677	Flexible X-ray sensors using ZnO and PbS thin films. Ms.Narmadha S Womens Christian college, India

1962	CP-1990	1683	Temperature-dependent morphology evolution of MoS ₂ crystals on SiO ₂ /Si substrate Mr.Krishnamoorthy P SRMIST, India
1963	CP-1991	1695	Synthesis and Electrochemical Performances of Disordered Spinel LiNi _{0.5} Mn _{1.5} O ₄ via Glycine-Assisted Solution Route at Low-Temperature Reaction Dr.Nurul Hayati Idris Universiti Malaysia TerengganuMALAYSIA
1964	CP-1992	1697	Enhanced Absorption of Thin Film Silicon Solar Cell with Metal NanoparEnhanced Absorption of Thin Film Silicon Solar Cell with Metal Nanoparticle Composite Array atop ARC ticle Composite Array atop AR Ms.Pariksha Malik student, India
1965	CP-1993	1698	Nanostructured Cadmium Sulphide films deposited by Sol-gel route Dr.Anjana Kothari Charotar University of Science and Technology, India
1966	CP-1994	1703	Effect of templating agent on the morphology, bioactivity and corrosion resistance of titania coating Dr.S Anne Pauline Madras Christian College, India
1967	CP-1995	1704	Structure Analysis of Samarium and Gallium Doped Bismuth Ferrite Ms.Farha Jabeen Jamia Millia Islamia, India
1968	CP-1996	1705	Effects of Nano-Graphite Addition on Luffa-Epoxy Natural Fibre Composite Dr.R.PANNEERDHAS SAR ENGINEERING COLLEGE, India
1969	CP-1997	1706	Synthesis of various lanthanide nanomaterials with different methods and its further characterisation with FE-SEM, EDX, DSC-TGA, HR-TEM and FT-IR. Mr.Sentienla Imsong Nagaland University, Nagaland, India
1970	CP-1998	1711	Non Linear Properties of Some Organic Liquid Mixtures at Different Temperatures - A Theoretical Approach Mr.TIMMESWARA SARMA NORI Lakireddy Bali Reddy College of Engineering, India

1971	CP-1999	1722	Thermocapillary flow thin hybrid nanoliquid film over an unsteady stretching cylinder Dr.Susanta Maity National Institute of Technology Arunachal Pradesh, India
1972	CP-2000	1729	Simple Route to synthesize N doped carbon nano sphere with uniformed structure for high performance Supercapacitors Mrs.Lalitha SVISTAS, India
1973	CP-2001	1744	Investigation of Perovskite Structure (1-x)K _{0.5} Na _{0.5} NbO ₃ -(x) CaSnO ₃ as Lead Free Ceramics Mr.KANNAN M R SRMIST, India
1974	CP-2002	1745	Effect of sodium (Na) on superconducting properties of Tungsten Oxide (WO ₃) Nanomaterials Mr.K C RAMESHBABU PAAVAI COLLEGE OF ENGINEERING, India
1975	CP-2003	1746	Investigations on the performance of Poly(o-toluidine)/Silicon dioxide Nanocomposite Coatings for the Corrosion Protection of Mild Steel Dr.C VEDHI V O Chidambaram College Thoothukudi, India
1976	CP-2004	1750	Design of high-sensitive interferometer biosensor based on Silicon-on-Insulator Rib Waveguide Dr.BOURAS Mounir MOHAMED BOUDIAF MSILA UNIVERSITYALGERIA
1977	CP-2006	1757	Effect of surface treatment of Cu foil and reaction chemistry on the nucleation behavior of graphene grains in chemical vapor deposition Mr.Santhosh D SRM Institute of Science and Technology, India
1978	CP-2007	1765	Solar Energy Conversion Properties of Tin Doped Barium Strontium Titanate Mr.KARTHIKEYAN S Sri Ramakrishna Mission Vidyalaya College of Arts, India

1979	CP-2008	1768	Effect of A-site dopant on dielectric, ferroelectric and piezoelectric properties of Pb(In _{0.5} Nb _{0.5})O ₃ -Pb(Mg _{0.335} Nb _{0.665})O ₃ -PbTiO ₃ piezoceramic Dr.G ANANDHA BABU Sri Sivasubramaniya Nadar College of Engineering, India
1980	CP-2009	1776	Effect of functionalized MWCNTs in negative electrode of lead acid battery under high rate discharge condition Mr.ARUN S CSIR CECRI, India
1981	CP-2010	1781	Modulating the electronic properties of phosphorene nanoribbon devices by using suitable dopants Dr.RM Hariharan SRMIST, India
1982	CP-2011	1784	Conductance through various Biomolecules: towards bioconjugate nanowires Ms.Ashwini Nawade SRM University AP, India
1983	CP-2012	1786	Electrospun deposited rGO/Mn ₂ O ₃ nanofibers composite electrode for high-performance supercapacitors and its charge storage kinetics Dr.AVIRAJ MAHADEV TELI Yeungnam University South KoreaKOREA, REPUBLIC OF
1984	CP-2013	1790	Heat Transfer and Surface Characteristic Analysis of Robot Spray Painting by Using Taguchi and ANOVA Analysis Mr.JAKKULA RAJA VENKATA S SRMIST kattankulathur, India
1985	CP-2014	1791	A comparative study of polyaniline and polypyrrole grafted cellulose nanocomposites for antibacterial activity Ms.A SHALINI PRESIDENCY COLLEGE, India
1986	CP-2015	1793	Optimization on Preparation of Porous Silicon by a Facile Stain Etching Fabrication Method for Drug Loading Studies Ms.Rohini Anandan SRM IST, India
1987	CP-2016	1794	Ultrasonic assisted synthesis of nano calcium metal organic frameworks for nitrobenzene detection Mr.Tony Francis St Marys College Manarcaud, India

1988	CP-2017	1796	Highly Efficient Chemiresistive CO Sensor Based On Nano Structured Ta ₂ O ₅ -SnO ₂ Composite Ms.Chethana A Poornaprajna Institute of Scientific Research, India
1989	CP-2018	1799	Lightweight and enhanced thermoelectric performance of CNG cellulose fabric Mrs.S.NANTHINI KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, India
1990	CP-2019	1801	Role of the Interface between Fabric and ZnO nanostructure for the UV Protection and Thermoelectric Properties Ms.K. SANGAVI KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, India
1991	CP-2020	1802	Synchronized removal of soluble organic dye and phosphates in Calcium Guar Gum Benzoate nano-biohybrids Ms.Aatrayee Das University of Calcutta, India
1992	CP-2021	1816	Hydrothermal synthesis of ternary metal selenide as a superior electrode material for supercapacitor applications Mrs.Sangeetha Vidhya Alagappa University, India
1993	CP-2022	1819	ANALYSIS OF NORMAL AND BLOOD PRESSURE HIGH BLOOD SAMPLES USING SPECTROSCOPIC METHODS Mrs.Manjula Easwari Engineering College, India
1994	CP-2023	1824	Length Dependent Conductivity Studies of SWCNTs Bundle Mr.Yuvaraj Sivalingam SRM Institute of Science and Technology, India
1995	CP-2024	1825	An investigation on physical properties of in situ synthesized nanostructured CuS thin films. Ms.Kari Fasiha Mohmed Sid Charotar University Of Science And Technology, India
1996	CP-2025	1827	Hydrogen storage properties of modified LiBH ₄ by flower like NiO Mr.Ajaijawahar K SRM IST, India

1997	CP-2026	1829	Dehydrogenation properties of LiBH ₄ system modified with nickel oxide nanowires and nanosheets prepared by hydrothermal method Mr.Ajaijawahar K SRM IST, India
1998	CP-2027	1830	Structural, optical and electrical properties of nanocrystalline nickel oxide thin films Mr.Ajaijawahar K SRM IST, India
1999	CP-2028	1833	Simulation Study of Various ETLs and HTLs and Their Impact on the Performance Parameters of NFA Solar Cell Mr.Shivam Dave IITRAM, India
2000	CP-2029	1835	MnCo ₂ O ₄ nanowires self-organized microflowers as electrode materials for supercapacitors Ms.Anjana P M University of Kerala, India
2001	CP-2030	1837	Solution based process of ZnO nanostructured thin films: A Review Mr.Sourav manu SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
2002	CP-2031	1843	Self Organized Cadmium Sulphide nanocrystalline schottky diode Dr.Shweta Chaure College of Engineering Pune, India
2003	CP-2032	1846	Structural and thermoelectric properties of Silver oxide thin films for thermocouples Mr.Nivin T S SRM Institute of Science and Technology, India
2004	CP-2033	1848	Characteristics of metal and conducting oxide films grown on patterned substrates Mr.Shubham Grover SRM, India
2005	CP-2034	1854	Highly Selective Dimethylformamide Adsorption on Phthalocyanine Functionalized Graphene Films Mr.David SRM IST, India
2006	CP-2035	1856	Carrier-free Resveratrol Nanosuspension with In vitro Anticancer and In vivo Bioavailability Studies Mr.Ashok Kumar Jangid Central University of Gujarat, India

2007	CP-2036	1857	Structural and Electrical studies of Carbon Nanotubes/Cu based composites : An overview Dr.Shivani DAV College Jalandhar, India
2008	CP-2037	1858	Electrospinning fabrication of polymer-free Cyclodextrin/Peppermint oil Inclusion complex for food preservation applications Ms.VIMALASRUTHI NARAYANAN alagappa university, India
2009	CP-2038	1860	Performance of Ternary Blend Polymer Solar Cells using PEDOT:PSS, graphene oxide and reduced graphene oxide as Hole Transport Layer Mr.LALSINGH GUGULOTH National Institute of Technology Warangal, India
2010	CP-2039	1886	Exploration of templates assisted (SBA-15) mesoporous Co ₃ O ₄ /g-C ₃ N ₄ nanocomposite for electrochemical supercapacitors Mr.Prakash Natarajan Sri Ramakrishna Engineering college, India
2011	CP-2040	1887	Wetting studies on hexagonally ordered arrays of domes to holes gold microstructure substrate Ms.Brindhu Malani S Center for Nano and Soft Matter Sciences, India
2012	CP-2041	1892	Electrochemical Sensing of N phenyl 1-naphthylamine using multiwall carbon nanotube with modification of Ag- β -cyclodextrin hybrid composite material Mr.G VIGNESHKUMAR Alagappa Chemistry, India
2013	CP-2042	1898	Molybdenum back electrode on textured glass substrate with enhanced reflectance Mr.M G SRINIVASAN SRM Institute of Science and Technology, India
2014	CP-2043	1899	Seed mediated growth of silver nanorods with various aspect ratios from aqueous medium Ms.ARATI CHANDRAGUPTA, India

2015	CP-2045	1902	Study of ITO thin films grown on micro textured structures for enhanced photon interaction in thin film solar cell applications Ms.Rohini Anandan SRM IST, India
2016	CP-2046	1904	COMSOL simulations and comparison of light absorption in plain and patterned CZTS absorber layer of thin film solar cells. Ms.Rohini Anandan SRM IST, India
2017	CP-2047	1910	Preparation of bulk chalcostibite CuSbSe ₂ for thin film solar absorber applications Mr.ALOK KUMAR JAIN SRM Institute of Science and Technology, India
2018	CP-2048	1914	Development of single crystalline MAPbI ₃ films on device quality substrates for photovoltaic applications Mrs.Ramya Krishna Battula ARCI, India
2019	CP-2049	1915	Band gap engineered ZnO/ZnS core/shell nanostructure for low power applications Dr.Rashi Borgohain Assam Engineering College, India
2020	CP-2050	1919	Supercapacitive performance of bismuth sulfide nanoparticles synthesized by microwave irradiation method: A role of temperature Ms.S SASIKALA GOVERNMENT ARTS COLLEGE, India
2021	CP-2051	1922	Characterization of hybrid (CuPc and CdSe QDs) composite layers Mr.Ganesh Ramchandra Bhan Shri Saibaba College, Shirdi, India
2022	CP-2053	1931	Synthesis of Graphene Quantum dots from the fresh leaves extract of Cynodon Dactylon and its Photoluminescence studies Dr.Asha R Pai Amrita Vishwa Vidyapeetham, India
2023	CP-2054	1932	Effect of Barium Titanate particles on Poly(vinylidene fluoride) based composite films Ms.BHIOGADE ACHAL ARVIND SRM Institute of Science and Technology, India

2024	CP-2055	1935	Synthesis , Growth and Characterization of L-Tyrosine Barium Chloride Dr.Raju Kalyanasundaram Easwari Engineering College, India
2025	CP-2057	1945	Effect of polarization on lattice thermal conductivity of AlGa _N /Ga _N Heterojunctions Mr.Bommalingaiah BYER Government First Grade College Pavagada Tumkur, India
2026	CP-2058	1946	Lattice thermal conductivity of nanoscale black Phosphorus Mr.Narayan Gaonkar University College of Science Tumkur University Tu, India
2027	CP-2059	1947	Effect of PEG concentration on the structural and optical properties of CaS nanoparticles Dr.REKHA S MAHARAJAS COLLEGEERNAKULAM, India
2028	CP-2060	1949	Correlation between Metal or Chalcogen ratio and the optical properties of gas-phase CVD grown monolayer MoS ₂ Ms.Sujatha D SRMIST, India
2029	CP-2061	1951	Fabrication and Characterization of p-Cu ₂ O on n-TiO ₂ Layer by Electrodeposition Method for Heterojunction Solar Cells Mrs.Norazlina Ahmad Univerisiti Tun Hussein Onn MalaysiaMALAYSIA
2030	CP-2062	1958	KI Doped Organo-Lead Bromide Layered Perovskites for Tunable Single Phase Excitons Mr.Mohammad Rahil Jamia Millia Islamia, India
2031	CP-2063	1960	Growth and characterization of Sr and Nb substituted LaCoO ₃ thin films on NdGaO ₃ [100] substrate Mr.RISHABH SHUKLA, Indian Instituted of Technology Delhi, India
2032	CP-2064	1967	Structural, Morphological, Optical and Electrical Properties ZnO films of nanocrystalline sheets Synthesized by Hydrothermal route Dr.Guru Nisha SRMIST, India

2033	CP-2065	1968	Impact of Graphene Oxide concentration on structural, morphological, optical and electrical properties of ZnO -rGO nanoparticles thin films synthesized via hydrothermal method Dr.Guru Nisha SRMIST, India
2034	CP-2066	1971	CNTs suspended thin liquid film flow on a nonlinear stretching sheet Dr.Shailendra Kumar Singh CIPET Ranchi, India
2035	CP-2067	1978	Fabrication of Superhydrophobic Aluminium Surface through a Wet-Chemical Route Prof.S S Subramanian PSG COLLEGE OF TECHNOLOGY, India
2036	CP-2068	1982	Electron Spin Resonance Study of Superparamagnetic $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ ($0.0 \leq x \leq 0.3$ in steps of 0.1) Nanoparticle Based Ferrofluids Ms.Laishangbam Chanu Soni Manipur University, India
2037	CP-2069	1987	Effect of Anatase Titanium Dioxide (TiO_2) Nanoparticles Volume Overlayer on Rutile TiO_2 Nanostructure of Dye-Sensitized Solar Cell Mr.AZMAN BIN TALIB UNIVERSITI TUN HUSSEIN ONN MALAYSIAMALAYSIA
2038	CP-2070	1988	Synthesis and Antimicrobial investigation of Pure, Nickel and Cobalt incorporated Copper Oxide Nanoparticles Ms.Khushboo Makrani C.U.Shah University, India
2039	CP-2071	1991	Resonant Raman scattering in CVD deposited monolayer and few-layered WS_2 Mr.Ashutosh Mohanty SRM Institute of Science and Technology, India
2040	CP-2072	1997	Precursor Concentration Dependent Electrochromic Characteristics Of Solution Processed MoO_3 Film Ms.Bhuvaneshwari E SRM Institute of science and technology, India

2041	CP-2073	2001	Synthesis and electrochemical characterizations of $\text{LiNi}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3}\text{TiO}_2$ cathode materials for rechargeable Lithium ion battery Mrs.kkalaiselvi Alagappa University, India
2042	CP-2074	2002	Role of order of individual layers on dielectric, capacitance and energy storage density properties in bilayer thin film stacks Mr.M.L.V. MAHESH Defence Research and Development Organisation, India
2043	CP-2075	2019	Preparation and characterization of cellulose nanocrystals from garlic skin and reinforcing filler in montmorillonite-polyvinyl alcohol biocomposite packaging film for enhancing the storability of pos Ms.senthamil selvi SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India
2044	CP-2076	2021	Influence of Particle Size on Structural, Optical and Magnetic Properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Ms.Lisham Paris Chanu Manipur University, India
2045	CP-2077	2024	Observation of Giant magneto-resistance at room Temperature in metal Oxide thin films Mr.SHASHI RANJAN KUMAR School of Instrumentation, DAVV Indore, India
2046	CP-2078	2029	Synthesis of Ion-Conducting LiInSnO_4 dielectric material through Sol-Gel technique and its application in low voltage Thin Film Transistor (TFT) Mr.Utkarsh Pandey, Indian Institute of Technology BHU Varanasi, India
2047	CP-2079	2034	Mass transfer and radiation effects on natural convective flow of a nanofluid over an infinite vertical plate with heat flux Mrs.Sangeetha S Jerusalem College of Engineering, India

2048	CP-2080	2035	Growth and Electronic Structure Studies of TiCxNy films by Laser Carbonitriding: influenced of reaction compounds and laser energy density Dr.SHEETAL SONI National Institute of Technology Raipur, India
2049	CP-2081	2038	SYNTHESIS, CHARACTERIZATION AND ANTIOXIDENT PROPERTY OF NANO SCALLED METAL COMPLEX OF TRIAZINE BASED HYDROXY CHALCONE Mr.KARTHIKEYAN A GOVERNMENT ARTS COLLEGE TIRUVANNAMALAI, India
2050	CP-2082	2040	Optical And Electrical Properties Of Tio2 Nanoparticle Film Treated With Atmospheric Pressure Plasma Jet Ms.Bhuvaneshwari E SRM Institute of science and technology, India
2051	CP-2083	2041	Tailoring the Structural, Magnetic, Mechanical and Thermal properties of CoFe2O4 by Varying Annealing Temperature Ms.Nitika SRM University, India
2052	CP-2084	2048	Heterocyclic compounds and its derivatives with corrosion inhibitors for mild steel in acidic medium Ms.Sanmugapriya R SRM IST, India
2053	CP-2085	2053	Interconnected Si nano-spheres as Negative Electrode for Li-Ion Battery Ms.Vanpariya Anjaliben Ha Pandit Deendayal Petroleum University, India
2054	CP-2086	2055	Thermoelectric Power Factor of Ag doped TiO2 Thin Film Mrs.Rohaida binti Usop University of Malaya MALAYSIA
2055	CP-2087	2060	N, N' – carbonyldiimidazole as an effective corrosion inhibitor for mild steel in 1N HCl medium: Electrochemical and Thermodynamic study Ms.SANMUGAPRIYA R SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, India

2056	CP-2088	2084	Spectroscopic analysis of MoS ₂ crystal quality controlled by the Molybdenum source and growth parameters Ms.Navanya Raveendran SRMIST, India
2057	CP-2089	2085	Structural and Optical Properties of CdO and group IV material doped CdO Nanoparticles Synthesized by Hydrothermal Method Mr.GUNASEKARAN M Muthurangam Government Arts College Autonomous, India
2058	CP-2091	2091	Comparative study on chemically synthesized as deposited CdS, CdZnS and SHI irradiated CdS nanostructured films Dr.Prince Kumar Mochahari Bodoland University, India
2059	CP-2092	2093	Property improvement of waste brick admixed cement cured with different water Dr.AGEETHA SRMIST, India
2060	CP-2093	2094	Strength Deterioration of high volume fly ash contained Ordinary Portland cement Concretes in Aggressive Sulfate Environments Mr.AGEETHA SRMIST, India
2061	CP-2094	2095	SYNTHESIS AND CHARACTERIZATION OF COBALT OXIDE AND NICKEL OXIDE NANOPARTICLES BY CO- PRECIPITATION METHOD Ms.PRIYA J SRMIST, India
2062	CP-2095	2097	Effect of substrate speed rotation on AlN/ Si (111) deposited by RF magnetron sputtering plasma Mrs.ANIS SUHAILI BAKRI Universiti Tun Hussein Onn Malaysia MALAYSIA
2063	CP-2096	2101	Spray pyrolyzed lead oxide films for Schottky junction solar cells Dr.Dharini Bhagat Pandit Deendayal Petroleum University, India
2064	CP-2097	2106	Bandgap Tunability via Uniaxial Strain for CVD Grown MoS ₂ Mr.Kalaiarasan SRM Institute of Science and Technology, India

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