

THEME OF THE CONFERENCE

ENERGY & SUSTAINABILITY

- Fuel Cells, Batteries & Supercapacitors
- Photovoltaics
- Hydrogen Energy & Technology
- Hybrid & Smart Materials
- Electric Vehicle & Smart Utility
- Low Carbon Technology
- Thermoelectrics
- Nanomagnetism & Spintronics

HEALTH SCIENCE

- Disease Models and Mechanisms
- Molecular Diagnostics
- Therapeutics
- Translational Medicine
- Biomaterials and Drug Delivery
- Health Science Research
- Health and Nutrition
- Herbal medicine

ENVIRONMENTAL SCIENCE & TECHNOLOGY

- Air, Soil, and Water Pollution
- Atmospheric Transport Modelling and Satellite Imagery
- Remediation Techniques
- Policy, Legislature, and Governance
- Water Resource and Management
- Waste Management
- Reduction, Reuse, and Recycling
- Remote Sensing and GIS Application
- Biodiversity and Climate Change
- Environmental Monitoring and Engineering

MATHEMATICAL & COMPUTATIONAL SCIENCE

- Algebra and Analysis
- Scientific Computing and Machine Learning
- Mathematical Biology
- Control of Partial Differential Equations
- Numerical Differential Equations
- Computational Fluid Dynamics
- Graph Theory and Applications
- Fuzzy Mathematics and Applications

Brainstorming Session - Writing a proposal

Highlights of this conference also include "brainstorming discussion" on writing grants to national and international funding agencies and facilitating national and international research collaboration.

Chief Patrons

- Dr. T. R. Paarivendhar - Founder & Chancellor, SRMIST
- Mr. Ravi Pachamoothoo - Pro-Chancellor (Admin), SRMIST
- Dr. P. Sathyanarayanan - Pro-Chancellor (Academics), SRMIST

Advisory Committee

- Dr. Sandeep Sancheti, Vice-Chancellor, SRMIST
- Dr. C. Muthamizhchelvan, Pro VC E&T, SRMIST
- Dr. N. Sethuraman, Registrar, SRMIST
- Dr. S. Ponnusamy, COE, SRMIST
- Dr. K. Ramasamy, Director (Research & Faculty), SRMIST
- Dr. B. Neppolian, Dean (Research), SRMIST

Organizing Committee

- Dr. M. Sasidharan, SRMRI, SRMIST
- Dr. Jesu Arockia Raj, SRMRI, SRMIST
- Dr. Arijit Sen, SRMRI, SRMIST
- Dr. Ritesh Kumar Dubey, SRMRI, SRMIST
- Dr. P. Malar, SRMRI, SRMIST
- Dr. Venkataprasad Bhat, SRMRI, SRMIST
- Dr. S. Anandhakumar, SRMRI, SRMIST
- Dr. Sanjay Kumar Mehta, SRMRI, SRMIST

Important Dates:

Last date for submission of abstract: 5 February 2021

Abstract Acceptance Notification: 15 February 2021

Last date for Registration: 20 February 2021

Publication of conference papers:

Contributions are invited on the topics within the conference scope of applied sciences in Energy, Environment, and Health fields. The selected peer-reviewed papers will be published in SCOPUS indexed conference proceedings and Journal special issues of international repute.

Registration Fees:

- Students / Research scholars: INR 200
- Faculty / Scientists: INR 300
- Industry Delegates: INR 1000
- International Delegates: USD 50

Dr. Paarivendhar Research Colloquium will host the poster presentation session



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

International Conference on "Recent Advances in Applied Sciences, Technology & Health" (RASTH 2021)

3-5 MARCH 2021

(Virtual)

Organised by:

SRM RESEARCH INSTITUTE,
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Conveners:

Dr. Bhalchandra Kakade, SRMRI, SRMIST

Dr. K. M. Ramkumar, SRMRI, SRMIST

Dr. Paromita Chakraborty, SRMRI, SRMIST

Website:

www.srmist.edu.in/

About SRMIST

SRM Institute of Science and Technology (formerly known as SRM University) ranked as No. 1 Private Engineering Institute in India and accredited by NAAC with A++ Grade in 2018 has over 52,000 students and 3200 faculty members, offering a wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine, Health Sciences, Agriculture, Law and Science & Humanities. Over the past two decades, SRMIST has set standards in the pragmatic education system and knowledge conception across various fields.

About SRM Research Institute

SRM Institute of Science and Technology (SRMIST) has set up a research institute namely SRM-Research Institute (SRMRI) to attract the knowledge resources and expertise available for research and to come up with innovative solutions. It is fully committed to pursuing in-depth research and development so as to excel in all the major areas of modern-day science and technology, spanning from biotechnology to nanotechnology, from composite materials to green chemistry, from computational to experimental research, and so on.

About the Conference

International Conference being organized under the broad theme "Recent Advances in Applied Sciences, Technology & Health" - RASTH, 2021 to bring researchers from all fields of sciences, including environmental, chemical, biological and mathematical sciences to a common platform and facilitate the exchange of research ideas. A diverse group of researchers working at SRMRI will facilitate the sessions at the conference. Sessions under the broad fields will be organized parallelly and have keynote lectures from leading scientists related to specific themes of the sessions, followed by selected oral presentations. Keeping in view of the prevailing pandemic, the conference will be held online. It aims to provide a platform that brings together researchers and scientists to share and globalize their innovative ideas on Science and Technologies.

Invited Speakers

Energy & Sustainability

- Prof. Balakumar S., University of Madras, Chennai
- Prof. Chandrabhas Narayana, Director, RGCB, Thiruvananthapuram
- Prof. Edgardo Saucedo, University of Catalonia, Barcelona
- Prof. Gunther Andersson, Flinders University, Australia
- Prof. Muthupandian Ashokkumar, University of Melbourne, Australia
- Dr. Premkumar S., JNCASR, Bangalore
- Prof. Ramesh Chandra Mallik, IISc, Bangalore
- Prof. Shankar M. V., Yogi Vemana University, Kadappa
- Prof. Som T., IOP, Bhubaneswar
- Dr. Sreekumar Kurungot, National Chemical Laboratory, Pune
- Dr. Subramanian V., CSIR-CLRI, Chennai
- Prof. Takanori Tamaki, Tokyo Institute of Technology, Japan
- Prof. Thomas Osipowicz, National University of Singapore, Singapore
- Dr. Vanchiappan Aravindan, IISER Tirupati
- Prof. Vijayamohanan Pillai, IISER Tirupati
- Dr. Yusuf S. M., Director, Institute of Physics, Bhubaneswar

Health Sciences

- Prof. Adelino V. M. Canario, Universidade do Algarve, Portugal
- Prof. Adrien Roux, Geneva University, Switzerland
- Prof. Jayakumar Rangasamy, Amrita Vishwa Vidyapeetham, Kochi
- Prof. Jennifer L. Freeman, Purdue University, USA
- Prof. Koustav Ganguly, Karolinska Institutet, Sweden
- Prof. Manickam Jayakannan, Chair, Department of Chemistry, IISER-Pune
- Prof. Mary Goll, University of Georgia, USA
- Dr. Mukesh Pasupuleti, Principal Scientist, CSIR-CDRI, Lucknow
- Prof. Rajaguru. P., Central University of Tamil Nadu, Tiruvarur
- Dr. Sib Sankar Roy, Senior Principal Scientist, CSIR-IICB, Kolkata
- Dr. Sreeram K. J., Director, CSIR-CLRI, Chennai
- Dr. Sridhar Sivasubbu, Principal Scientist, CSIR-IGIB, New Delhi
- Prof. Suraj Unniappan, University of Saskatchewan, Canada
- Prof. Swapna Upadhyay, Karolinska Institutet, Sweden

Invited Speakers

Environmental Science & Technology

- Dr. Bommanna G. Loganathan, Murray State University, USA
- Prof. Daniel D. Snow, Director, Univ. of Nebraska, USA
- Dr. Girija Bharat, Director, Mu Gamma Consultants Pvt Ltd.
- Prof. Indumathi Manivannan Nambi, IIT Madras
- Prof. Jagabandhu Panda, NIT Rourkela
- Dr. Magdalena Urbaniak, Univ. of Lodz, Poland
- Dr. Richa Kothari, Central University of Jammu
- Dr. Shaik Rehna, IIIT Hyderabad
- Dr. Siddharth Sankar Das, VSSC, Thiruvananthapuram
- Prof. Tripathi S. N., IIT Kanpur
- Mr. Vinod P G, Managing Director, GeoVin Sol. (P) Ltd, Thiruvananthapuram
- Dr. Younggyu Son, Kumoh National Institute of Technology, South Korea

Mathematics and Computational Science

- Prof. Christophe Prieur, Gipsa Lab, Grenoble, France
- Prof. Dumitru Baleanu, ISS, Bucharest, Romania
- Prof. Farzad Ismail, University Sains, Malaysia
- Dr. Florent Renac, The French Aerospace Lab, ONERA
- Dr. Hossain Chizari, Cardiff University, Wales (U.K)
- Prof. Malay Banerjee, IIT Kanpur
- Prof. Manish Gupta, DA - IICT, Gandhinagar
- Prof. Pratibha Garg, LNMIT, Jaipur
- Prof. Raghavan K N, The Institute of Mathematical Sciences, Chennai
- Prof. Shruti Dubey, IIT Madras
- Prof. Stefano Bianchini, SISSA, Trieste (Italy)

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