

**Research Colloquium**  
**Department of Physics and Nanotechnology**  
**Faculty of Engineering & Technology**  
**SRMIST**

Talks organized during July 2019 to October 2020

<b>Sl. No</b>	<b>Names and address of the Speaker</b>	<b>Date</b>	<b>Title of the Talk</b>
1.	K. Janani Assistant Professor Department of Physics and Nanotechnology, SRMIST, Chennai 603203, India	<b>03.07.2019</b>	Chemical Functionalization of Graphene Nanoribbon
2.	Punitha Shanmugam Research Scholar, Department of Physics and Nanotechnology, SRMIST, Chennai 603203, India	<b>10.07.2019</b>	Metal and metal oxides embedded polymer coated ZnO nanorods based gas sensors
3.	Baskaran Palanivel Research Scholar, Department of Physics and Nanotechnology, SRMIST, Chennai 603203, India	<b>17.07.2019</b>	Synthesis of MFe <sub>2</sub> O <sub>4</sub> (M = Ni, Zn) magnetic nanocomposites for visible light photocatalytic activity
4.	Selvaraj Prabakaran Research Scholar, Department of Physics and Nanotechnology, SRMIST, Chennai 603203, India	<b>24.07.2019</b>	Enhancing the optical and electrical properties of Al dopant on TiO <sub>2</sub> nanoparticles with graphene oxide (GO) for solar cell applications
5.	G. Purnadurga Research Scholar, Department of Physics and Nanotechnology, SRMIST, Chennai 603203, India	<b>31.07.2019</b>	Spatial variability of global atmospheric residence times and their trends over India using CMIP5 historical and future climate datasets.
6.	Dr. Ravikirana Research Assistant professor Department of Physics and	<b>21.08.2019</b>	Kinetic studies on BCC to FCC Transformation in AlCoCrFeNi equiatomic high entropy alloy

	Nanotechnology, SRMIST, Chennai 603203, India		
7.	Dr. V. Masilamani Distinguished Prof. Laser Physics (Rtd), KSU Research Chair Prof in Laser Diagnosis of Cancers King Saud Univ Riyadh, KSA	<b>28.08.2019</b>	Molecular ecstasies
8.	D. Santhosh Research Scholar, Department of Physics and Nanotechnology, SRMIST, Chennai 603203, India	<b>04.09.2019</b>	Controlled Growth of Monolayer MoS <sub>2</sub> by Vapor Phase Sulfurization Method
9.	Yoshiyuki Kawazoe Professor New Industry Creation Hatchery Center, Tohoku University, Sendai, Japan	<b>18.09.2019</b>	Basics and Limitations in Computational Materials Design- What we should learn before starting computer simulation
10.	Dr. Bhaskar Chandra Mohanty Associate Professor School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala 147004, India	<b>03.10.2019</b>	Inorganic Thin Film Solar Cells: Impact of Cationic Disorder
11.	C. David Research Scholar, Department of Physics and Nanotechnology, SRMIST, Chennai 603203, India	<b>09.10.2019</b>	Photo enhanced gas adsorption property of iron oxide structures by scanning kelvin probe system
12.	A. Aadhityan Research Scholar, Department of Physics and Nanotechnology, SRMIST,	<b>16.10.2019</b>	Electron Transport Analysis in Positional Isomers - a DFT-NEGF Approach

	Chennai 603203, India		
13.	Vignesh Krishnan Research Scholar, Department of Physics and Nanotechnology, SRMIST, Chennai 603203, India	<b>30.10.2019</b>	Investigations on the in-vivo toxicity analysis of mesoporous SiO <sub>2</sub> nanoparticles in zebrafish embryo (Daniorerio)
14.	Dr. S. Yuvaraj Research Assistant Professor, Department of Physics and Nanotechnology, SRMIST, Kattankulathur	<b>8-1-2020</b>	Introduction to Scanning Kelvin Probe System and its application towards chemical sensing
15.	Mr. Vinayak Vitthal Satale Research Scholar Department of Physics and Nanotechnology, SRMIST, Kattankulathur	<b>22-1-2020</b>	Vertically Aligned TiO <sub>2</sub> NRs Sensitized with CZTS for Heterojunction solar cells
16.	Ms. Aleena Rose Research Scholar Department of Physics and Nanotechnology, SRMIST, Kattankulathur	<b>29-1-2020</b>	Investigation on the electrochemical properties of hydrothermally synthesized pure and Nickel doped Zinc Sulfide microspheres for supercapacitor electrode applications
17.	Ms. Mannepalli Sowjanya Research Scholar, Department of Physics and Nanotechnology, SRMIST, Kattankulathur	<b>5-2-2020</b>	Exploring and exploiting the indentation induced high pressure phases of silicon
18.	Mr. Mahammed Shaheer AR	<b>12-2-2020</b>	Dual role of g-C <sub>3</sub> N <sub>4</sub> /carbon intra schotty junction in charge carrier generation and

	Research Scholar Department of Physics and Nanotechnology, SRMIST, Kattankulathur		separation for efficient solar H <sub>2</sub> production
19.	Dr. V. Ganesh Assistant Professor Department of Physics and Nanotechnology, SRMIST, Kattankulathur	<b>19-2-2020</b>	Metal nitrides and metaloxynitrides for hydrogen evolution application through solar driven water splitting
20.	Ms. Kavitha Research Scholar, Department of Physics and Nanotechnology, SRMIST, Kattankulathur	<b>11-3-2020</b>	Nitro Group Functionalized reduced Graphene Oxide Charge Transfer linking Bridge an Electron Transport Layer for bulk Heterojunction Organic Solar cell