

One Day International Symposium on  
**Functional Nanoscale Materials**

28<sup>th</sup> July 2022

Organized by

School of Chemistry  
IISER Thiruvananthapuram



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## Program Schedule

- 09:30 - 09.35 Introductory remarks by Prof. J. N. Moorthy  
Director, IISER Thiruvananthapuram
- 09:35 - 09.40 Welcome remarks by Prof. Mahesh Hariharan  
HoD, School of Chemistry, IISER Thiruvananthapuram

### Session 1 - Chair: Prof. A. Ajayaghosh

- 09:40 - 10.15 **Lecture 1**  
Speaker: Prof. J. N. Moorthy, IISER Thiruvananthapuram
- 10.15 - 10.50 **Lecture 2**  
Speaker: Prof. David Bonifazi, University of Vienna, Austria
- 10.50 - 11.10 **Tea break**

### Session 2 - Chair: Prof. K. George Thomas

- 11.10 - 11.45 **Lecture 3**  
Speaker: Prof. S. Thayumanavan  
University of Massachusetts Amherst, USA
- 11.45 - 12.20 **Lecture 4**  
Speaker: Prof. Luis Sánchez  
University Complutense of Madrid, Spain
- 12.20 - 12.55 **Lecture 5**  
Speaker: Prof. Suhrit Ghosh, IACS, India

- 01.00 - 02.00 **Lunch break**






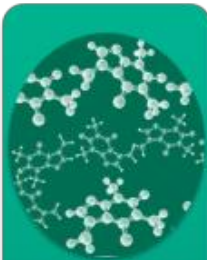
### Session 3 - Chair: Prof. Kana M. Sureshan

- 02.00 - 02.20 **Lecture 6**  
Speaker: Dr. Heather Montgomery  
Managing Editor, Nanoscale, RSC
- 02.20 - 02.55 **Lecture 7**  
Speaker: Prof. Gustavo Fernández, University of Münster, Germany
- 02.55 - 03.30 **Lecture 8**  
Speaker: Prof. Dibyendu Das, IISER Kolkata, India
- 03.30 - 04.05 **Lecture 9**  
Speaker: Prof. Mahesh Hariharan, IISER Thiruvananthapuram
- Vote of thanks: Dr. Reji Varghese, IISER Thiruvananthapuram
- 04.05 - 04.30 **Tea break**

## About

### School of Chemistry, IISER TVM

The School of Chemistry (SoC) at IISER TVM has a vibrant academic and research ambience. The research activities of the school cover a wide range of areas in chemistry (inorganic, organic, physical, theoretical chemistry etc.). The school is actively involved in research in the areas of inorganic and organometallic chemistry, synthetic organic chemistry and chemical biology, physical organic chemistry, supramolecular chemistry, DNA nanotechnology, photophysics and photochemistry of nanomaterials and hybrid materials, NMR spectroscopy, theoretical chemistry, computational chemistry and non-linear dynamics. The institute has provided state-of-the-art instrumentation facility. Research projects are supported by the institute as well as external funding by various national and international agencies.

 <p><b>Organic chemistry</b></p> <ul style="list-style-type: none"><li>• Prof. J. N. Moorthy</li><li>• Prof. Kana M. Sureshan</li><li>• Dr. Reji Varghese</li><li>• Dr. Rajendar Goreti</li><li>• Dr. Alagiri Kaliyamoorthy</li><li>• Dr. Ramesh Rasappan</li><li>• Dr. Basudev Sahoo</li><li>• Dr. Veera Reddy Yatham</li><li>• Dr. Soumen De</li></ul>	 <p><b>Inorganic chemistry</b></p> <ul style="list-style-type: none"><li>• Dr. Sukhendu Mandal</li><li>• Dr. Ajay Venugopal</li><li>• Dr. Subrata Kundu</li><li>• Dr. A. Thirumurugan</li><li>• Dr. S. Gokulnath</li></ul>	 <p><b>Theoretical chemistry</b></p> <ul style="list-style-type: none"><li>• Dr. R. S. Swathi</li><li>• Dr. V. Silvaranjana Reddy</li><li>• Dr. Pushpita Ghosh</li></ul>	 <p><b>Physical chemistry</b></p> <ul style="list-style-type: none"><li>• Prof. K. George Thomas</li><li>• Prof. Mahesh Hariharan</li><li>• Dr. Vinesh Vijayan</li><li>• Dr. A. Muthukrishnan</li><li>• Dr. Y. A. Lakshmana</li><li>• Dr. Jerry A. Fereiro</li></ul>	 <p><b>Biomaterials</b></p> <ul style="list-style-type: none"><li>• Dr. Reji Varghese</li><li>• Dr. Rajendra Kurapati</li></ul>	 <p><b>Supramolecular chemistry</b></p> <ul style="list-style-type: none"><li>• Prof. J. N. Moorthy</li><li>• Prof. Kana M. Sureshan</li><li>• Dr. Reji Varghese</li><li>• Dr. Soumen De</li></ul>
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**COMMUNICATION**  
Irene Leonora, César Segal et al.  
Shining light in blind alleys: deciphering bacterial attachment in silicon microfluidic tubes

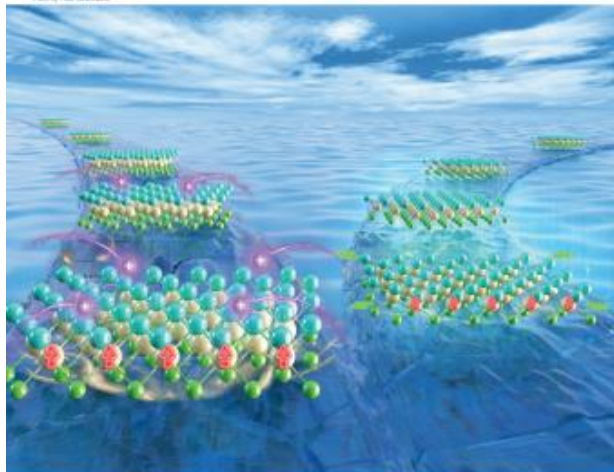


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**PAPER**  
Kaitun, Jin et al.  
Manipulating the electronic structure and of physical properties in two-layer  $\text{Ph}_2\text{C}_6\text{H}_4$  via strain and doping



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