

SEMINAR



Date: 12/06/2024, Time: 09h00-09h40 Room: B014, Calais

Gold nanoparticles in discotic matrix

Prof. Sandeep KUMAR

Raman Research Institute, India

Nitte Meenakshi Institute of Technology, India

Sandeep Kumar obtained his PhD in Chemistry from Banaras Hindu University, Varanasi in 1986. He was a Postdoctoral Research Fellow at the Hebrew University of Jerusalem, Israel; Technion, Israel Institute of Technology, Haifa, Israel; the Scripps Research Institute, La Jolla, CA, USA and the University of Mainz, Mainz, Germany during 1988–1995. He joined the Centre for Liquid Crystal Research, Bangalore, India to start a new Chemistry laboratory in 1995. In 2002, he moved to the Raman Research Institute, Bangalore, India from where he retired in November 2019 and joined as Professor, Department of Chemistry, Nitte Meenakshi Institute of Technology, Bangalore, India. He has published more than 350 research papers in peer reviewed top-rated international journals. These papers have received more than 11,000 citations with H-Index of 48 and I-10 Index of 219. He also authored three books and several book chapters. He is also having many patents to his credit. He is a reviewer for more than 100 international journals. He was awarded the inaugural LG Philips Display Mid-Career Award by the International Liquid Crystal Society in 2008; Indian Liquid Crystal Society Lifetime achievement award 2020 and Professor Shivaramakrishna Chandrasekhar Lecture Award 2023. He is in the world's top 2% Scientists list, published by Stanford university–Elsevier 2021, 2022, 2023 and 2024. His research interests include design, synthesis and applications of liquid crystals, green chemistry and nanotechnology.



Date: 12/06/2024, Time: 09h40-10h20 Room: B014, Calais

Effect of 1D ZnO nanomaterials on the order parameter of nematic liquid crystals

Prof. Manjuladevi V.

Birla Institute of Technology and Science (BITS), Pilani, India

Dr. Manjuladevi V. is a Professor in the Department of Physics, BITS Pilani, Pilani campus. She completed her M.Sc. from Department of Physics, Bengaluru University, Bengaluru in 1997 and PhD from Raman research institute, Bengaluru in the year 2004. Prior to joining BITS Pilani, she worked as a post-doctoral fellow at Trinity College, Dublin, Ireland during 2005-2006. Her major research interest is in experimental condensed matter, especially, electro-optic switching of liquid crystals and its nano-composites, V-shaped switching in ferroelectric liquid crystals, liquid crystals at interfaces, thin films of liquid crystals and its nano-composites, dielectric measurements on liquid crystals and instrumentation for sensor applications. She has executed several DST/SERB funded research projects as principal investigator as well as co-principal investigator. She has guided four PhD students and is currently guiding four PhD students. She has published more than 60 scientific articles in reputed international journals. She is also a reviewer of many reputed international journals such as Nanoscale letters, Nature Communications, New Journal of Chemistry, Optics Communications, Journal of Molecular Liquids, RSC advances, Crystals, Current Applied Physics.



Date: 12/06/2024, Time: 10h40-11h20 Room: B014, Calais
Surface Plasmon Resonance for Investigating Liquid Crystals

Prof. Raj Kumar GUPTA

Birla Institute of Technology and Science (BITS), Pilani, India

Dr. Raj Kumar Gupta is professor in the department of Physics, BITS Pilani, Pilani campus. He is Associate Dean for Sponsored Research and Consultancy in BITS Pilani. He served as head of the physics department from 2018-2020. He completed his PhD from Raman Research Institute in 2005 and joined the Physics Dept of BITS Pilani as a faculty member. His research focus is in the field of surface plasmon resonance and applications, liquid crystals, ultrathin films of organic and nanomaterials and sensors. He has executed several sponsored projects. He has published more than 70 research articles and several book chapters in international journals of repute. He received one Indian patent and two are in progress. He is an active reviewer of several international journals and project proposals.

Lien ZOOM

Sujet: Seminar UDSMM-Réunion Zoom de Dharmendra SINGH

Heure: 12 juin 2024

Lien pour participer:

<https://univ-littoral-fr.zoom.us/j/92744157875?pwd=KuUkMOEZNBQflWI5uvOR3whQiOgNH.1>

ID de réunion: 927 4415 7875

Code secret: 923948

