National Workshop on Two-dimensional Nanomaterials for Medical & Environmental Applications 2D-NaMEA - 2024
26th & 27th February 2024
Organized by Centre For Materials Informatics (C-mAIN)
Anna University

CHIEF PATRON
Prof. R. Velraj
Vice-Chancellor, Anna University.

PATRONS
Prof. J. Prakash
Registrar (i/c), Anna University

Dr. L. Suganthi
Dean
College of Engineering Guindy
Anna University

No Registration Fee
A maximum of 50 participants are allowed.
No accommodation and TA/DA will be given.
Lunch and refreshments will be provided.

CONVENER
Dr. R. VIDYA
Director i/c,
Center for Material Informatics
Anna University

Organizing Committee:
Mr. S. Muthukrishnan
Miss. K. Gayathri
Miss. A. Allofyy Mary
Mr. Madhesh Palanisamy
Mr. R. Thejus Vignesh
Miss. S. Srilakshmi

Scan for C-mAIN website
Centre for Materials Informatics (C-MaIn) was started with a vision to accelerate the process of materials discovery with the help of Artificial Intelligence & machine learning tools. The center has been exploring novel materials for renewable energy, pollution reduction, dosimetry, drug delivery, biomedical implants, and AI-enabled synergic studies on traditional medicines. C-MaIn aims to utilize the available materials databases to predict novel materials and provide insights into their fundamental properties by performing advanced quantum mechanical computations.

The 2D nanomaterials are finding applications in drug delivery, bio-imaging, bio-sensors, thin film solar cells, photocatalysis, pollutant gas abatement etc. This national workshop is expected to throw light on the recent developments in the 2D nanomaterials and motivate young students to pursue research in this emergent and fast-growing field.

This workshop is scheduled for 2 days with invited lectures by experts working on the experimental and theoretical aspects of novel 2D nanomaterials.

Topics to be covered:
- 2D – Mxenes
- Photocatalysis
- Nanomaterials for targeted drug delivery
- Nanocoating on bio-implants
- Corrosive surfaces
- Oxide surfaces for pollutants reduction
- Thin film solar cell
- Biosensors

About 2D-NaMEA
The discovery of Graphene, the first 2D nanomaterial in 2004 energized the research endeavours in this field. Owing to their unique physical structure and chemical functionality, these 2D materials are attractive in terms of their biocompatibility, electrical, chemical and mechanical properties.

SPEAKERS
1. Prof. Bala Vaidhyanathan, Univ. of Loughborough, UK.
2. Prof. P. Ravindran, Central Univ. Of Tamilnadu
3. Prof. N. Rajendran, Anna University(AU).
4. Dr. B.R.K. Nanda, IITM
5. Dr. P. Murugavel, IITM
6. Dr. A. Murugadoss, University of Madras (UNOM).
7 Dr. K.Gugan, UNOM
8. Dr. Ajay Rakesh, SRMIST
9. Dr. D. Dugalakshmi, AU.
10. Dr. R. Vidya, AU

WHO CAN APPLY?
Faculty members/Researcher scholars/post-graduate students

REGISTRATION
Click here to register
Registration Fee: Free
The first 50 participants will be selected on First come–first serve basis.
Last date for Registration: 22/02/2024

CONTACT
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