National Workshop

ON

Two-dimensional Nanomaterials for Medical & Environmental Applications

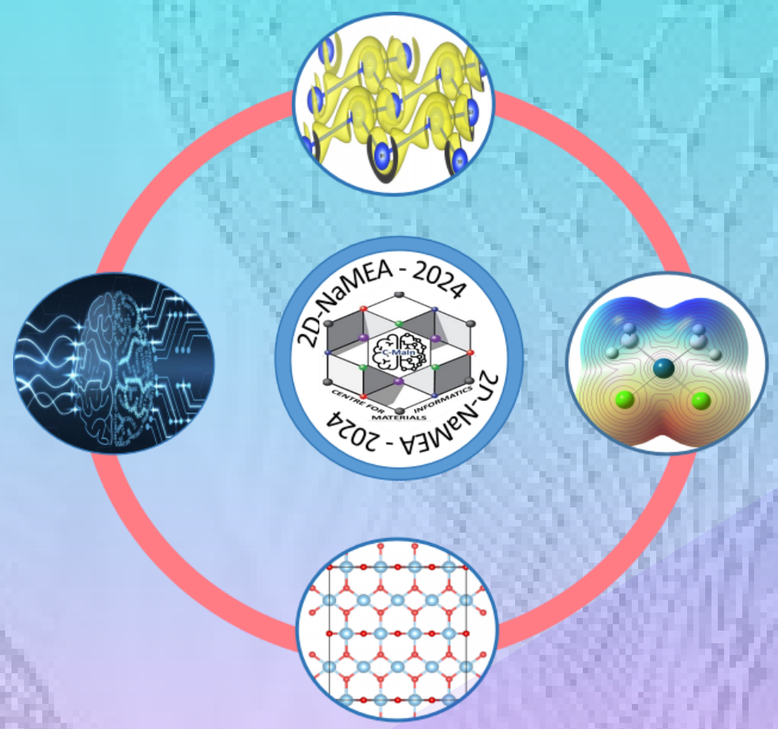
2D-NaMEA - 2024

26th & 27th February 2024

Organized by

Centre For Materials Informatics (C-mAIn)

Anna University



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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

Scan for C-mAIn website

Physics Auditorium

Science & Humanities Block
CEG, 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. Alloffy Mary
Mr. Madhesh Palanisamy
Mr. R. Thejus Vignesh
Miss. S. Srilakshmi

About C-mAIn

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, bio-medical 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.

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.

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

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. Durgalakshmi, 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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