



PM-USHA SPONSORED  
NATIONAL SEMINAR



ON

RECENT TRENDS OF  
RESEARCH IN MATERIAL  
SCIENCE AS A REQUIREMENT  
OF NEP-2020  
(RTRMS-2026)

Date: 24<sup>th</sup> and 25<sup>th</sup> March, 2026

VENUE: Day-1-Lecture Gallery -1  
(LG-1)

Day-2 - Narayani Panda Resource  
Centre



Organised by  
School of Physics  
Gangadhar Meher University,  
Amruta Vihar  
Sambalpur-768004  
Odisha, India



## ESTEEMED PATRONS

### CHIEF PATRON

Prof. Susanta Kumar Das  
Vice Chancellor(I/C)  
G. M. Univeristy

### ADVISORS

Prof. Gyanaranjan Swain  
Chairman, P.G. Council  
G. M. University

Sanat Kumar Naik  
Registrar  
G. M. Univeristy

### CONVENOR

Dr Namita Shadangi  
HOD School of Physics

### CO-CONVENORS

Dr Ananata Prasad Chakraverty  
Assistant Professor

And

Dr Pranati Purohit  
Assistant Professor  
School of Physics,  
G. M. University

## ORGANISING TEAM

Dr Pramoda Kumar Samal, Associate  
Professor  
Dr Gangadhar Behera, Assistant Professor  
Dr Jasabanta Sekhar Hansdah, Assistant  
Professor  
Dr Bibhuti Bhusan Das, Assistant Professor  
Dr Anupama Swain, Assistant Professor  
Dr Sugandha Das, Assistant Professor

## KEYNOTE SPEAKERS

Prof. Karuna Kar Nanda  
Director  
Institute of Physics, Bhubaneswar

Dr. Rama Krushna Sabat  
Associate professor  
IIT Bhubaneswar

Prof. Banarji Behera  
Professor  
Sambalpur University

Dr. Sumanta Samal  
Associate Professor  
IIT Indore

Dr. Sunanda Patri,  
Associate Professor  
VSSUT Burla

Dr. Manoj Kumar Mohapatra  
Senior Assistant Professor  
Silicon Institute of Technology  
(SIT-West), Sambalpur

Dr. Rakesh Kumar Sahoo  
Assistant Professor  
Govt Women's College,  
Sambalpur

Dr. Dipak Rout  
Assistant Professor  
Govt. Autonomous College,  
Sundergarh

## ABOUT THE UNIVERSITY

Gangadhar Meher University (GMU), Sambalpur, has come into being on the 30th May 2015 by government of Odisha. A long awaited moment has come to be fulfilled for the youth and people of the region aspiring for higher education. Another landmark was the recognition by the University Grants Commission accreditation with "A" grade by National Assessment and Accreditation Council (NAAC) in 2025. Implementing New Education policy with necessary emphasis on Indian Knowledge system (IKS), imparting multidisciplinary education with employable skill sets, establishing industry linkages, striving for cutting edge research and publication and, most important of all, reaching out to the marginalised sections, especially the tribal communities of region, G M University is pursuing its well-defined institutional goals with dedication and commitment

## ABOUT THE DEPARTMENT

The department was established in 1957. The department has a long standing history of excellence in teaching and research. At present, the school offers Doctorate programme (PhD) , two years master degree course (M.Sc.) and three years under graduate course in Physics (B.Sc.). Choice Based Credit System (CBCS) syllabus. Also syllabus for UG student as per New Education Policy has been framed and opened for the students taking admission from 2024-25 batch onwards.

Faculties are associated with research activities in the area like LASERS/optoelectronics, Theoretical Condensed Matter Physics, Cosmology (theory and data analysis), Polymer/FRP composites, industrial waste utilization, Nano materials, Piezoelectric materials, Photonics/Metamaterials, Solid State Physics (experimental). About 40 research papers were published in Scopus/WoS reputed journals since 2020. The average number of citations of the papers published by all the faculties is 367.28 . At present, about 15 numbers of PhD scholars are continuing their doctorate programme. All the students of the departments are also monitored through their respective mentors. The School also facilitates very good connectivity with alumni and parents of the UG/PG students.

## ABOUT THE SEMINAR

The National Seminar on Recent Trends of Research in Material Science a requirement of NEP-2020 (RTRMS-2026) is an gathering of Physicists, Scientists and Researchers in the field of Physics and material science organized to share ideas and discuss the latest advancements in their respective fields. The seminar including keynote speeches, poster presentations that focus on various topics related to Materials, Condensed Matter Physics, Advanced Materials Synthesis etc. It provides a platform for professionals from academia, industry, and government to network and collaborate, and to learn from one another's experiences and expertise. This seminar also acts as a forum for students and early career scientists to present their work and engage with senior researchers and scholars. The seminar features renowned speakers, leading experts, and all of whom contribute significantly to the knowledge-sharing process and create a highly impactful experience for attendees. We warmly welcome the faculty members and research scholars and students participating in this seminar

## RELATED THEMES

- ✓ Dielectrics
- ✓ Ferroelectrics & Multiferroics
- ✓ Energy Storage Devices
- ✓ Magnetism
- ✓ Nanomaterials
- ✓ Photonics and Plasmonics;
- ✓ Polymer and composite
- ✓ Semiconductor Materials Devices
- ✓ strongly correlated system
- ✓ Surface, Interface Phenomena
- ✓ Superconductivity
- ✓ Thin Films, Devices
- ✓ Interdisciplinary Topics Relevant to Condensed Matter Systems
- ✓ Astrophysics and Cosmology

## CALL FOR PAPERS

Researchers, academicians, research scholars, and students are invited to submit original research papers

Send your abstract to :

[seminarphysicsgmu@gmail.com](mailto:seminarphysicsgmu@gmail.com)

Paper Submission guidelines: Abstract should be prepared in 200-250 words with 4-5 key words.

## IMPORTANT DATES

Abstract Submission by : 18.03.2026

Abstract acceptance : 20.03.2026

## REGISTRATION

Registration is free for GMU participants  
Registration fees – Rs. 300/- (For out side participants only)

Registration Link

<https://docs.google.com/forms/d/e/1FAIpQLSdWTCeHxORHukj274ki8t96PYC2giwnRYH-4GTlyx2K1PL4Jg/viewform?usp=header>



## ADDRESS FOR CORRESPONDENCE

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