



Government of Maharashtra
महाराष्ट्र शासन

GOVERNMENT VIDARBHA INSTITUTE OF SCIENCE AND HUMANITIES, AMRAVATI



(An Autonomous Institute of the Govt. of Maharashtra; Reaccredited
by NAAC with 'A' grade (CGPA 3.32)
Website : <http://gvishamt.org>



INTERNATIONAL CONFERENCE ON

MATERIAL PHYSICS AND ELECTRONICS FOR SUSTAINABLE DEVELOPMENT

ICMPE-2024
July 01-02, 2024

- Organized by**

The Department of Physics & Electronics, Government Vidarbha
Institute of Science & Humanities, Amravati. (M.S.), India 444 604

- In Association with**

IQAC, Sant Gadge Baba Amravati University, Amravati. (M.S.), India 444 602
Pre Indian Administrative Services Training Institute, Amravati. (M.S.), India 444 604



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Conference Structure

Conference will have Key Note Lectures, Plenary Talks, Invited Talks, Oral Presentations and Poster presentations.

Background

The International Conference on Material Physics and Electronics for sustainable development (ICMPE-2024) is a multidisciplinary event aiming at uniting academicians, industry professionals and young researchers to share their ideas and knowledge. This will augment the present state of knowledge in the respective fields of study for societal development and economic prosperity. The conference aims to establish an open debate forum through this platform by gathering plethora of academicians, young scientists, researchers and engineers. The conference will focus on the advanced topics to satisfy the global demand for novel materials and difficulties in the field of material science and nanotechnology. This will provide a platform to present the latest research findings, discuss the challenges and opportunities in the field of material science and electronics. Sustainable industrialization and infrastructure with innovation can unleash economic forces that generate employment and income. New ideas may erupt in such August gathering of eminent researchers from all over the world under one roof. Such activities will expose all the delegates accountable to the commitments to improve the people access to good health and health care.

Conference Topics

- Advance Materials
- Carbon Nanostructures and Graphene
- Optoelectronic Materials
- Spintronics
- Environmental and Green Materials
- Nano-engineering and its applications
- Biosensors and Bio-electronics materials
- Meta materials
- Dielectrics
- Biomaterials and Medical Devices
- Computational Modelling of Metals and Materials
- Nano-technology & Nano Engineering
- Gas sensors and Smart Materials
- Ceramics, Glasses and Composite Materials
- Polymer science
- Energy Materials
- Organic Electronics and Devices
- DFT and Molecular Dynamics
- Soft Instrumentation

Important Dates :

Abstract Submission	- 01 May 2024
Full Length Paper Submission	- 15 May 2024 (on or Before)
Intimation of Acceptance	- 30 May 2024

Submission of Papers

Interested authors are requested to submit full length manuscript of research paper in MS-Word including paper title, name of authors, affiliation and e-mail address of the corresponding authors. The font should be Times New Roman, size 12, 1.5. spacing
Please mail your paper at e-mail icmpe2024@gmail.com

Paper Publication

Selected research papers will be published in the reputed International Peer Reviewed Journal.

FEES DETAILS

Category	Registration Fees
Students	- Rs. 1000
Academicians	- Rs. 1500
Industry delegates	- Rs. 3000
Foreign delegates	- USD 75
Accompanying person	- Rs. 500 (Indians) USD 20 (Foreign delegates)

Registration fees include the conference kit, breakfast, lunch and dinner. Delegates will have to make their own arrangements for accommodation.

Contact for Correspondence:

Dr. S. P. Yawale (Convener)
+91-8830317223 & 9423125231
Dr. Deepak Dhote (Co-Convener)
+91-9422857431

Contact for Accommodation:

Dr. S. R. Jigajeni: +91-8767425913 & 9209629752
Dr. D. R. Bijwe: +91- 9822699149



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ABOUT THE INSTITUTE

The Government Vidarbha Institute of Science and Humanities, Amravati is a premier autonomous education institute in the Vidarbha region of Maharashtra, affiliated to Sant Gadge Baba Amravati University, Amravati. Founded in 1923, it is one of the oldest academic institutions in the country and has celebrated its centenary in 2023. The institute has achieved many milestones in its journey of the hundred years and has been awarded the prestigious 'A' grade by the National Assessment and Accreditation Council (NAAC) with CGPA 3.32. It is a multi disciplinary institute that offers education from 11th standard to Ph.D. program. The institute has 21 undergraduate and 19 postgraduate programmes and is a research centre for Ph.D. in 20 subjects.

Over the last ten decades, the institute has shaped students to become stalwarts in science, politics, literature, teaching, law, medicine, economics, arts and culture. We hone the faculty of scientific enquiry and thinking of our students to bring revolutionary and radical changes in various fields of life. We rely on blending theoretical and practical teaching and learning. From the academic year 2021-22, we are offering NEP-2020 pattern at undergraduate and postgraduate level, from 2023. The new syllabi of the academic programs are set to boost physical, mental, social, emotional and intellectual development of the students. This is a student-centric approach wherein the students have freedom to choose the subjects to satisfy their insatiable curiosity for knowledge.

The serene, non-polluted and congenial ambience of the institute is ideal for the pursuit of higher education and research. We have botanical garden, administrative block, yoga bhavan, hostels, library and parking facility. There are three auditoriums with the capacity of 1040, 300 and 150 respectively, a separate Majlis hall for the musical performances. The campus accommodates a separate building of the Pre Indian Administrative Services Training Institute.

About the Department:

The Department of Physics & Electronics is one of the largest and oldest departments in the institute. It was established in 1935 and was affiliated to Nagpur University before the inception of Amravati University. The post graduate department offers Condensed Matter Physics and Electronics as electives. There are three dedicated research laboratories viz. Materials Science, Nano-materials and luminescence. Research students work in the diversified field such as, Gas Sensors, biomaterials, dielectric materials, luminescent materials and thin films. Around 30 research students are simultaneously working in these fields. Till this date 93 students have been awarded doctorate degree in Physics and Electronics. More than 300 research papers are published in the National and International Journals by the faculties and students of the department. The department possess rich instrumentation facilities including: X Ray Spectrophotometer, FTIR, UV Visible Spectrophotometer, LCR Meter, Spin coater, SILLAR and Spray Pyrolysis. One major and nine minor research projects, funded by UGC, are completed and few patents are published.

Tentative Schedule

Day 1- 01 July 2024

- 8.00 AM to 9.30 AM - Registration & Breakfast
- 9.30 AM to 11.00 AM - Inauguration & Key Note Address

Technical Session –I

- 11.00 AM to 11.30 AM - Plenary Talk-I
- 11.30 AM to 12.00 PM - Plenary Talk-II
- 12.00 PM to 12.30 PM - Plenary Talk-III
- 12.30 PM to 1.30 PM - Lunch

Technical Session –II

- 2.00 PM to 2.30 PM - Plenary Talk –IV
- 2.30 PM to 3.00 PM - Plenary Talk –V
- 3.00 PM to 3.30 PM - Tea Break
- 3.30 PM to 5.30 PM - Oral Presentations
- 6.00 PM to 7.30 PM - Cultural Program
- 7.30 PM to 9.00 PM - Dinner

Day 2 - 02 July 2024

- 9.30 AM to 10.15AM - Key Note Address

Technical Session –III

- 10.15 AM to 10.45 - Plenary Talk-VI
- 10.45 AM to 11.15 PM - Plenary Talk-VII
- 11.15 PM to 1.00 PM - Oral/Poster Presentations
- 1.00 PM to 2.00 PM - Lunch
- 2.00 PM to 3.30 PM - Valedictory Function



