

**National Research Scholars' Meet on  
Condensed Matter Physics and Materials  
Science (CMPMS-23)**

**Organized by**

**Gujarat Science Academy,  
Ahmedabad, Gujarat,  
and**

**Department of Physics,  
(DST-FIST and DRS-SAP Sponsored Department)  
University School of Sciences,  
Gujarat University, Ahmedabad,  
Gujarat**

**Supported by,**

**Physical Research Laboratory (PRL),  
Ahmedabad**

**Central Salt and Marine Chemicals  
Research Institute (CSMCRI),  
Bhavnagar, Gujarat, and  
Materials Research Society of India  
(MRSI), Gujarat Chapter**

**Date: 4<sup>th</sup> March, 2023**



**Venue: Department of Physics,**

**University School of Sciences,  
Gujarat University, Navrangpura,  
Ahmedabad- 380 009, Gujarat**

**Conference Website: <https://www.cmpms-gsa.com>**

**Univ. Website: [www.gujaratuniversity.ac.in](http://www.gujaratuniversity.ac.in)**

**GSA Website: <https://gujaratscienceacademy.org/>**

**Organizing Committee:**

**Chief Patron:** Prof. H. A. Pandya (Vice-Chancellor, GU)

**Patrons:** Prof. P. N. Gajjar, (President, GSA and  
Head, Department of Physics, GU)

Prof. Meenu Saraf (Director, USSc, GU)

Prof. A. R. Jani (President, MRSI, Guj. Chapter)

**Convenors:** Prof. Pranav Shrivastav, Prof. V. A. Rana

**Coordinator:** Dr. D. H. Gadani

**Org. Secretaries:** Dr. S. M. Vyas, Mo: 9974022542

Dr. A. M. Vora, Mo: 9426956016

**Treasurer:** Dr. P. H. Suthar

Mr. B. J. Parmar

**Local Committee:** Prof. U. S. Joshi

Prof. R. B. Jotania

Prof. M. E. James

Prof. D. S. Tripathi

Mr. D. B. Patel

Prof. N. K. Jain

Dr. Sanjeev K. Gupta

Dr. Dipika B. Patel

**IMPORTANT DATES:**

Abstract Submission	31-01-2023
Notification of Acceptance	06-02-2023

Research Scholars/ Faculties/ Scientists may upload an abstract for presentation (< 300 words) as soft copy on <https://forms.gle/ATRG6EjrbmNsuSy5A> (or by scanning QR code) on or before 31<sup>st</sup> January, 2023 as word file (Times New Roman, Justified, Font Size-12), including Title, Authors' Name, Affiliation and Address.

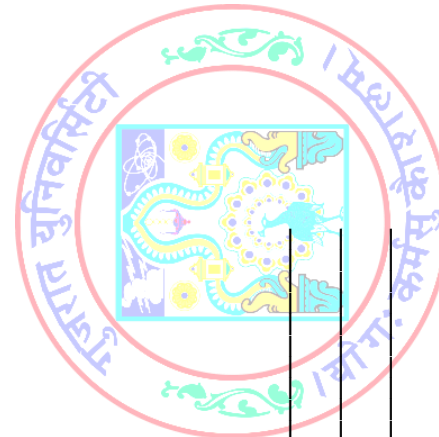
**Only selected entries will be allowed for Oral presentation.**

**Posters size should be 100 cm x 100 cm.**

**Prizes will be awarded to the Best Oral/Poster presentations.**

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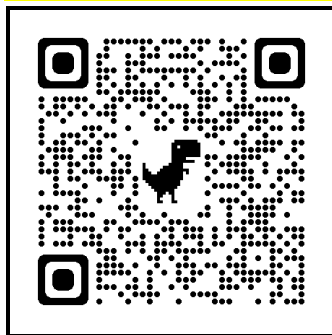
**To,  
Dr. S.M.Vyas/Dr.A.M.Vora,  
Department of Physics,  
University School of Sciences,  
Gujarat University, Navrangpura,  
Ahmedabad - 380 009, Gujarat  
Mo: 9974022542/9426956016  
Email: [cmpms.gu@gmail.com](mailto:cmpms.gu@gmail.com)**

**From,**

**National Research Scholars' Meet on  
Condensed Matter Physics and Materials  
Science (CMPMS-23)**

**Conference Date: 4<sup>th</sup> March, 2023**

**QR Code for REGISTRATION**



**Last Date for Registration: 9<sup>th</sup> February, 2023.**

Account Details for payment of Registration fees:

**Payable to:** Gujarat Science Academy

**Bank:** State Bank of India, Ahmedabad

**A/C No.:** 10298779932

**IFSC:** SBIN0002651

**MICR:** 380002017

**Branch:** Gujarat University Branch

**Registration Fees:**

Category	On/Before: 09-02-2023	After: 09-02-2023*
Students	Rs. 700	Rs. 1000
Faculty/ Scientist	Rs. 1000	Rs. 1500
Industries	Rs. 5000	Rs. 7000

Registration fees include: Conference Kit, Lunch and Tea.

\*Kit not guaranteed for registrations after **09-02-2023**.

\* Abstracts submitted after due date will not be included in the Abstract book.

**Gujarat Science Academy (GSA):**

The objectives of the GSA are:

- To promote understanding of science and its methodology in society to create public awareness.
- To contribute to the development and planning of science and technology in Gujarat
- To improve science and technical education at all levels and develop Human Resource.

- To promote studies and research on applications of science and technology for rural development.
- To bring an understanding of science and its usage to the layman.
- To build public opinion on matters concerning interaction between science and society.

**Gujarat University:**

**NIRF overall Rank: 73, University Rank: 58, ARIIA Govt. University in India Rank: 9, GSIRF overall No: 1, Stars: 5.**

Established in 1949 through the Gujarat University Act, the Gujarat University is largest and oldest university of the Gujarat. The glory of university is reflected through its eminent alumni comprising Dr. Vikram Sarabhai, Shri Narendra Modi (Prime Minister, India), Dr. K. Kasturirangan (Former Chairman, ISRO), Late Dr. Ila Bhatt (SEVA), Justice Ahmedi (Former Chief Justice of India), Mr. Pankaj Patel (CEO, Zydu Cadila), Mr. Kharekwala (Wockhardt), Dr. Ravindra Dave (Former Chairman, UNESCO) and many others. The academic capabilities and potential of the university has recognized by the globally reputed research organizations like Physical Research Laboratory (Ahmedabad); Indian Space Research Organization (Ahmedabad), Institute for Plasma Research (Gandhinagar), Entrepreneur Development Institute through collaborative programs.

Gujarat University's campus is fully equipped with various facilities to support every aspect of learning, sports, research, innovation and culture. Gujarat University is facilitated with Sardar Patel Sports City having Olympic standard Sports facilities, Dr. APJ Abdul Kalam Centre for Extension Research and Innovation (CERI), GU-PIER (Gujarat University-Park for Industrial Extension and research) for industry-academia collaborative research, Gujarat University Startup and Entrepreneurship Council (GUSEC), Technology Business Incubators (TBI) by DST and Atal Innovation Centre (AIC) by Niti Ayog, New Delhi which emphasizes our commitment to academic excellence through innovations.

**Department of Physics:**

The Department of Physics was established in 1959 to offer M.Sc. and Ph.D. in Physics and Electronic Science courses.

The research activities of the Department comprise

- Theoretical Condensed Matter Physics,
- Experimental Condensed Matter Physics,
- Computational Physics
- Microwave Dielectrics
- Atmospheric Physics

- Remote Sensing
- Electronics

The department has received DST- FIST (Level-I) grant for 2007-2012, and 2015-2020. The department is also supported by UGC through DRS-SAP-I grant for a period 2012-2017, and DRS-SAP-II for a period 2018-2023, with its thrust area in Condensed Matter Physics.

**Major facilities include:**

- Work Station and Computer Lab
- XRD, Semiconductor Characterization System.
- Vector Network Analyzer (10 MHz-30 GHz)
- Precision LCR meter (20 Hz-2MHz)
- Pulse Laser Deposition
- Atomic Force Microscopy
- UV Visible Spectro-Photo Meter
- Electron Beam Thin Film Unit
- DC-RF Sputtering Unit
- High Temperature Furnace
- Spin Coating Unit

**The Seminar:**

CMPMS-23 aims to provide a forum to create synergies between research students and scientists working in different areas across the country through exchange of views on recent advances in the theoretical and experimental Condensed Matter Physics and Materials Science to develop new paradigms.

**Focal Themes:**

- Solid State Device Physics
- Thin Film Technology
- Nanomaterials and Spintronics
- Ferrites
- Semiconductors
- Polymers and Composites
- Microwaves and dielectrics
- Material Characterization Techniques
- Ferroelectrics and Multiferroics
- Computational Material Sciences
- Condensed Matter Physics (Theory and Experimental)
- Remote sensing and Ionospheric Sciences
- Innovative Experiments in Physics
- Other topics related to Physical, Chemical and Material Sciences