

Important Dates

Abstract Submission Deadline: **20th Oct. 2025**

Abstract Acceptance Notice: **25th Oct. 2025**

Registration Deadline: **10th Nov. 2025**

Limited Abstracts will be accepted

Registration

Research Scholars: **₹3000/-**

Post Doctoral Fellow: **₹4500/-**

Faculty: **₹5000/-**

Industrial Participants: **₹10000/-**

Scope of the Conference

- Nuclear Physics
- Accelerator Physics
- Material Science
- Biophysics & Medical Physics
- Chemical Physics
- Computational Physics
- Density Functional Theory
- Energy Studies
- Photonics
- Nanoscience & Nanotechnology
- Plasma Physics
- Soft Matter Physics
- Thin Films
- Interdisciplinary

About Pune

Academic Powerhouse: Pune, known as the "Oxford of the East," is a major global hub for higher education and research, home to prestigious institutions like Savitribai Phule Pune University and the Indian Institute of Science Education and Research (IISER).

Thriving IT and Innovation Hub: As a leading center for India's technology and automotive industries, Pune hosts major multinational companies, innovative startups, and renowned R&D centers, driving significant progress.

Rich Cultural Heritage: Experience Pune's vibrant mix of deep-rooted Marathi culture, historic sites like Shaniwar Wada, and a lively arts scene alongside its modern growth.

Strategic Location and Infrastructure: Well-connected through air, rail, and road, Pune offers world-class conference facilities and modern amenities, conveniently situated close to India's financial capital, Mumbai.

High Quality of Life: Delegates will enjoy Pune's pleasant climate, famous cuisine, lush green environment, and cosmopolitan vibe, making it an ideal place for productive engagement.



Three Days National Conference
On

Recent Research Trends in Advanced Materials and Nuclear Sciences

20th – 22nd November 2025



Organized by

Department of Physics,
Savitribai Phule Pune University,
Pune – 411007

Address of Correspondence

Dr. Shailendra Dahiwal
(Convener of the conference)

✉ rrtamns2025@gmail.com

✉ ssd@physics.unipune.ac.in

☎ +91-8108001200

🌐 https://events.unipune.ac.in/sites/Physics_2025/

Accommodation

Registration fees **does not** include accommodation charges. Those who want accommodation can apply separately. Only limited accommodation are available at Academic guest House.

Publication

EXTENDED ABSTRACTS WILL BE PUBLISHED
IN THE BOOK HAVING ISBN NO.
SELECTED PAPERS WOULD BE PUBLISHED IN
PEER REVIEWED JOURNALS

About the Conference

The Conference aims to bring together scholars, researchers, and industry experts to explore breakthroughs research ideas in advance materials and nuclear sciences. It encourages to foster collaboration and knowledge exchange on sustainable, innovative applications in science and engineering. Participants will gain insights into emerging trends, challenges, and future directions in these dynamic fields. Join us to connect, present, and engage with the forefront of research and innovation.

About the Savitribai Phule Pune University

Savitribai Phule Pune University (formerly University of Pune), one of the premier universities in India, is positioned in the North-western part of Pune city. It occupies an area of about 411 acres. It was established on 10th February, 1949 under the Poona University Act. The university houses 46 academic departments. It is popularly known as the 'Oxford of the East'. It has about 307 recognized research institutes and 612 affiliated colleges offering graduate and under-graduate courses. According to Times Higher Education World University Ranking Savitribai Phule Pune University has been ranked No. 2 among the universities in India. The university is NAAC re-accredited at A+ level and has status of University with Potential for excellence by UGC, India. It is also DST-PURSE sponsored University.

About the Department of Physics

Department of Physics, situated in the large and beautiful campus of Savitribai Phule Pune University, started its activities in 1950. The research programs of the Department cover a number of areas of Experimental Physics and Theory. The department has got numerous indigenously developed facilities 6 MeV Microtron Accelerator, 14 MeV Neutron Generator, and 100 keV Ion Beam System, and several state of art materials characterizations techniques like HRTEM, SEM, SPM, XPS-UPS, Raman Microscopy, VSM, etc. It has been recognized that teaching in this department is among the best in the country. The UGC has recognized the Department as a Centre for Advanced Studies in Materials Science and Condensed Matter Physics for the past 35 years and has been receiving funds from DST under FIST and PURSE programs. The Department has always strived for academic excellence through teaching and research which has contributed to the upliftment of the status of the University with Potential for Excellence (UPE) phase II

National Advisory Committee

Prof. Kaustubh Priolkar	Director , UGC-DAE Consortium for Scientific Research, Indore
Prof. Avinash Pandey	Director , IUAC, New Delhi
Prof. Brajesh Pandey	Director Indian National Science Academy (INSA), New Delhi
Prof. Vijay Fulari	Vice Chancellor, Dr. Babasaheb Ambedkar Marathwada University
Prof. Pramod S. Patil	Pro-Vice Chancellor, Shivaji University, Kolhapur
Prof. Arvind Shaligram	Hon. Director, ISRO-UoP STC Cell, Pune
Prof. Amlan J. Pal	Former Director, UGC-DAE -CSR, Indore
Dr. Dinesh Amelnerkar	Former Director & Director Gen. C-MET, Government of India
Dr. Dinakar Kanjilal	Former Director, IUAC, New Delhi.
Dr. Bharat Kale	Former Director & Director Gen. C-MET, Government of India
Prof. Shikha Verma	Member IOP, Bhubneshwar
Dr. S. Ganesan	Scientist (Retd) Reactor Division, B.A.R.C Mumbai
Prof. P.D. Sahare	Professor of Physics. Delhi University, New Delhi
Prof. Sanjeev Ganesh	Professor of Physics, Mangalore University, Mangalore
Prof. B. P. Singh	Professor of Physics, Aligarh Muslim University, Aligarh
Prof. B. Lalremruata	Professor of Physics. University of Mizoram
Prof. M. A. More	Professor of Physics, SPPU, Pune
Prof. S. I. Patil	Professor of Physics, SPPU, Pune
Prof. V. N. Boraskar	Professor of Physics, SPPU, Pune
Prof. A. L. kshirsagar	Professor of Physics, SPPU, Pune
Prof. R. B. Vidhyasagar	Professor of Physics, SPPU, Pune
Prof. S. V. Boraskar	Professor of Physics, SPPU, Pune

Conference

Chief-Patron

Hon’ble Prof. Suresh. W. Gosavi

Vice Chancellor,
Savitribai Phule Pune University

Patron

Prof. Parag Kalkar
Pro Vice Chancellor,
Savitribai Phule Pune University

Chairperson

Prof. Sanjay D. Dhole
Head, Department of Physics, SPPU, Pune

Subject-wise expert

Nuclear and Accelerator Physics

Prof. V. N. Boraskar
Prof. S. D. Dhole
Dr. S. S. Dahiwalé

Plasma Physics

Prof. S. V. Boraskar
Prof. V. L. Mathe

Smart Materials

Prof. S. I. Patil
Prof. M. A. More
Prof. Y. D. Kolekar
Dr. R. C. Kambale

Energy Materials

Prof. S. R. Jadhkar
Prof. N. B. Chaure
Prof. H. M. Pathan

Bio-materials

Prof. P. B. Vidhyasagar
Prof. G. R. Kulkarni
Prof. A. G. Banpurkar

Nano Materials

Prof. S. D. Sartale
Dr. D. S. Sidhaye

Computation, modelling, and theory

Prof. A. L. Kshirsagar
Dr. A. Sayeed
Dr. S. G. Kulkarni