

## International Advisory Committee

Abebe Belay Gemta	ASTU	Ethiopia
Ajeet Kaushik	Florida Poly	USA
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Ateet Dutt	UNAM	Mexico
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D. Kanjilal	IUAC	New Delhi
Kiran Gulia	University of Wolverhampton	UK
Nigel Mason	University of Kent	UK
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Ravindra Pandey	Michigan Tech	US
Reinhard Miller	Darmstadt	Germany
Sib Krishna Ghoshal	UTM	Malaysia
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Umesh Tiwari	STEM	Singapore
Vijay Kumar Thakur	SRUC	UK
Vivek Pachauri	Rwth Aachen, University	Germany
Y. K. Mishra	SDU	Denmark

## National Advisory Committee

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Govind Gupta	NPL	New Delhi
Joby Joseph	IIT	New Delhi
Manish Kumar	JNU	New Delhi
Mohit Tyagi	BARC	Mumbai
Nitin Puri	DTU	New Delhi
Nagesh Thakur	HPU	Shimla
Navdeep Goyal	PU	Chandigarh
Neeraj Khare	IIT	New Delhi
P.K. Ahluwalia	HPU	Shimla
P.K. Jha	MSU	Baroda
Rajnikant	VC, RNTU	Bhopal
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Randhir Bhatnagar	CSIO	Chandigarh
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Tashi Nautiyal	IIT	Roorkee
Veerendra K Sharma	BARC	Mumbai
Vijay Fulari	BAMU	Sambhajinagar
Vivek Kumar	IIT	New Delhi

## Organizing Committee

- Prof. Ashish Agarwal, Chairperson, Dept. of Physics, GJUS&T, Hisar
- Prof. M.K., Sharma, Chairperson Dept. of Mathematics, GJUS&T, Hisar
- Prof. O.P. Sangwan, Chairperson, Dept. of Computer Science, GJUS&T, Hisar
- Prof. Devinder Kumar, Dept. of Chemistry, GJUS&T, Hisar
- Prof. Devendra Mohan, Dept. of Physics, GJUS&T, Hisar
- Prof. Sujata Sanghi, Dept. of Physics, GJUS&T, Hisar
- Prof. Rajender Kundu, Dept. of Physics, GJUS&T, Hisar
- Prof. Neetu Ahlawat, Dept. of Physics, GJUS&T, Hisar
- Dr. Ramesh Kumar, Dept. of Physics, GJUS&T, Hisar
- Dr. Hardev Singh, Dept. of Physics, GJUS&T, Hisar
- Dr. David Joseph, Dept. of Physics, GJUS&T, Hisar
- Dr. Ravi Bhatia, Dept. of Physics, GJUS&T, Hisar
- Dr. Vivek Gupta, Dept. of Physics, GJUS&T, Hisar

## How to Reach GJU

The University is situated at Hisar, a rapidly growing town situated at about 166 Kms. from Delhi on Delhi-Rohtak-Hisar-Sirsa-Fazilka National Highway (NH-10) and at a distance of about 230 Kms. from Chandigarh on NH-65. It is well connected by rail and road to nearby major cities. Hisar is one of the principal cities catering to the administrative and commercial needs of huge rural population. It is a major center of higher education and research with three major Universities of the State, a number of National research institutions, degree colleges, breeding farms and a growing industrial environment. An Army Cantonment located in Hisar enriches its cultural life.

Please click on given link: <https://maps.app.goo.gl/qCVcqKFZeDgrw3hn7>

## Contact us

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Convener

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### Dr. Hardev Singh

Organizing Secretary

Department of Physics, GJUS&T, Hisar

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1<sup>st</sup> Announcement

## International Conference

on  
**Emerging Materials and Quantum Photonics (ICEMQP-2024)**

(November 07-09, 2024)

and

**Pre-Conference One Day Workshop**

on

**Predictive Modeling in Materials Science using AI and ML**

(November 06, 2024)



Organized By :

**Department of Physics**

**Guru Jambheshwar University of Science & Technology, Hisar-125001**

(A+ Grade NAAC Accredited)

## About the Conference

The International Conference on Emerging Materials and Quantum Photonics (ICEMQP-2024) is a gathering of experts from around the globe focusing on the latest breakthroughs in materials science and quantum photonics. The conference explores the synthesis, characterization, and applications of emerging materials, alongside the revolutionary potentials of quantum photonics in fields such as information technology and telecommunications. This conference is a premium forum that offers a dynamic blend of professionals, expert keynotes, researchers, and industry leaders and aims to inspire collaborative innovation and drive progress in these dynamic and interdisciplinary fields. ICEMQP-2024 will feature invited talks from national and international experts in the field of emerging materials and quantum photonics. The event shall provide an excellent opportunity for all the attendees to engage in the development of new technologies in the national interest particularly with the Quantum Technologies and applications.

By fostering collaboration and knowledge exchange, ICEMQP-2024 aligns with and supports the objectives of the National Quantum Mission. This mission aims to advance the development and deployment of quantum technologies, driving innovation and enhancing national capabilities in quantum science and technology. The conference presents a valuable opportunity for researchers and stakeholders in the quantum science and technology domain to contribute to these national objectives and push the boundaries of what is possible in the field of quantum research and application.

## About the Department

Established in 1996 with the objective of serving the laser and optics industry, the Master's program in Physics was initiated, focusing on key areas such as Laser Technology, Fiber Optics & Optical Communications, and Materials Science. Presently, the department offers a Dual Degree B.Sc. (Hons.) Physics-M.Sc. (Physics) (3+2 Years) program, as well as postgraduate M.Sc. (Physics) (2 Years) courses specializing in Condensed Matter Physics, Photonics, Materials Science, and Nuclear Physics. The department boasts a dedicated and dynamic faculty covering a wide spectrum of fields including Photonics, Optical Communication, Laser Physics, Non-linear Optics, Physics of Nano-materials, Thin Films, Glass and Ceramics, Solar Cell and Renewable Energy, Radiation Physics, Nuclear Physics, and Theoretical Physics. Notably, the department has secured significant research grants under prestigious schemes such as UGC-SAP (twice), DST-FIST (Thrice), and DRDO. The department successfully organised International Conference on Advances in Optics and Photonics (ICAOP-2017) (XLI Conference of the Optical Society of India) in November 2017, followed by the 63rd DAE Solid State Physics Symposium in December 2018.

## About the University

Guru Jambheshwar University of Science & Technology, Hisar is a State University established on October 20, 1995 by an Act of the Legislature of the State of Haryana to facilitate and promote studies and research in emerging areas of higher education with a focus on new frontiers of technology, pharmacy, environmental studies, non-conventional sources energy and management studies and also to achieve excellence in these and connected fields. It was formally inaugurated on November 1, 1995. It is named after Guru Jambheshwar Ji Maharaj, a saint environmentalist of 15th century.

The University spans approximately 372 acres, featuring a picturesque landscape with diverse buildings and a wide road network, blending architecture and natural beauty with lush green lawns. The University is continuously improving its ranking in academics and research. In the NIRF Rankings 2023, the University has secured 101-150 rank band in the University Category. In the Atal Ranking of Institutional Innovations and Achievements (ARIIA-2020) by the Education Ministry, Govt. of India, the University has been ranked in BAND A between 6-25th in August 2020, in the Govt. and Govt. Aided Universities Category. The University has been granted graded Autonomy of Category-II. The University is A+ Grade NAAC accredited with a CGPA of 3.38. Presently the h-index of the University is 120 being highest among Universities in the State of Haryana. Average Paper Citation is 20.89 which is also highest in the region.

## CONFERENCE VENUE

### CRS Auditorium

Guru Jambheshwar University of Science & Technology,  
Hisar, Haryana-125001



## Call for Papers

ICEMQP-2024 serves as a premier platform for the scientific community, showcasing the pioneering advancements and academic discoveries in the area of Quantum Materials and Photonics. The conference will encompass a variety of topics, including:

Topics	Category
✓ Quantum Materials	QM
✓ Quantum Photonics	QP
✓ Spintronic Materials	SM
✓ Quantum Computing	QC
✓ Topological Materials	TM
✓ Multifunctional Materials	MM
✓ Thermoelectric Materials	TEM
✓ Low-Dimensional Materials	LDM
✓ AI and ML in Material Technology	AMM
✓ Photovoltaics Materials & Sensors	PMS
✓ High-performance Insulation Materials	HIM
✓ Simulation and Modelling of Materials	SMM
✓ Energy-efficient Materials for Machinery	EMM
✓ Nanocomposites for Various Applications	NC
✓ Superconductivity and Magnetic Materials	SCM
✓ Layered materials & Soft Materials (polymers)	LSM
✓ Sustainable Materials in Information Technology	SIT
✓ Theoretical and Computational Aspects of Materials	TCM
✓ Energy Storage and Conversion (batteries, capacitors, etc)	ESC

## Awards

Best Oral Presentation Awards  
Best Poster Presentation Awards

## Important Dates

Action	Deadline
Submission of Abstract	Sept. 20, 2024
Notification of Abstract Acceptance	Sept. 25, 2024 (onwards)
Registration (Early Bird)	Oct. 15, 2024
Registration (On or before)	Oct. 30, 2024

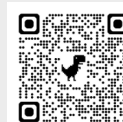
## Submission of Abstract

Authors are required to submit one page abstract in the below template.

Titles : Times New Roman (Bold), 14

Text : Times New Roman, 12

Line Spacing : 1.5 lines, Keywords : Max Five



## Publication

The Abstract book of the conference will be published, which will include all the accepted abstracts. The authors must prepare one page abstract as per the given template. Papers are invited on the theme of the conference and having acceptance will be published in a journal of international repute after peer review. The information about how to submit complete research papers will be provided later on. For details, please visit [www.gjust.ac.in/Conference/ICEMQP2024](http://www.gjust.ac.in/Conference/ICEMQP2024).

## Registration

Interested Faculty members/Scientists/Research students can register through the conference website [www.gjust.ac.in/Conference/ICEMQP2024](http://www.gjust.ac.in/Conference/ICEMQP2024) (After acceptance of abstract).

Categories	Early Bird Registration (Oct. 15, 2024)		On or Before Oct. 30, 2024	
	Indian	Foreign	Indian	Foreign
Student/ Research Scholar*	Rs.4000	USD 200	Rs.5000	USD 250
Academicians /Scientist*	Rs. 5500	USD 300	Rs. 6500	USD 350
Accompanying person*	Rs. 2500	USD 200	Rs. 3000	USD 250
Industry Persons*	Rs. 7000	USD 500	Rs. 8000	USD 600

\* Rs. 500 Extra for pre-conference one day Workshop.

## BANK DETAILS

You can complete your registration online by using the provided link, and the registration fee can be conveniently paid through online methods such as NEFT/IMPS to the following account:

A/c Name : INTERNATIONAL CONFERENCE ON EMERGING MATERIALS AND QUANTUM PHOTONICS 2024
A/c No. : 4674000100054450
IFSC Code : PUNB0467400
Bank Name & Address : PNB, GURU JAMBHESHWAR UNIVERSITY, HISAR-125001, HARYANA, INDIA

## Accommodation

The outstation participants will be provided accommodation at University Guest House/ University Hostels/nearby hotels on request and on first come first serve basis. To secure these accommodations, participants can make reservations by submitting a request via conference website before the specified due date. Alternatively, several quality hotels are close to participants, allowing them to make direct bookings based on their preferences and requirements.

Note: Accommodation charges will be extra on actual basis.



### CHIEF PATRON

Prof. Narsi Ram Bishnoi  
Vice-Chancellor,

Guru Jambheshwar University of Science & Technology, Hisar

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