

CONFERENCE PROCEEDINGS

The presented papers after peer review process are proposed to publish in scopus indexed journal as a special issue of International Journal "Modern Physics Letter B," World Scientific Publications, 2022-23 Impact Factor: 1.9 • CiteScore: 3.5 • Source Normalized Impact per Paper (SNIP): 0.514 • SCImago Journal Rank (SJR): 0.375.

IMPORTANT

- Last date for Submission of Abstract : **10th Jan. 2024**
- Acceptance of Abstract : **15th Jan. 2024**
- Last date for Registration Fee : **15th Jan. 2024**
- Last date for Submission of full Paper : **31st Jan. 2024**

TRAVEL & ACCOMMODATION

- No travel reimbursement will be made by the organizers.
- Accommodation can be booked on request. The payment for the same will be borne by the participants.

ORAL PRESENTATION

- For oral presentation, time of eight minutes will be given to each speaker.
- Presentation is to be prepared in MS Power Point and to be brought on a USB memory stick.
- Standard Audio Visual equipment will be provided for presentation.

POSTER PRESENTATION

- Space will be provided for poster (1 × 1 metre²) display.
- Pins and stand will be provided by the organizers.
- Poster should be legible enough to be viewed from a distance of 4 feet.

AWARDS

The Oral and Poster presentations will be evaluated by team of experts and best presentations will be awarded.

REGISTRATION

[Register Now](https://forms.eduqfix.com/nanoscitechform/add)



<https://forms.eduqfix.com/nanoscitechform/add>

Note: Registration fees link will be auto generated in the registration form. Kindly remit the fee there only.

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REGISTRATION FEE

Category of the Participants	Registration up to 15th Jan. 2024	Registration after 15th Jan. 2024/ Spot Reg.	Foreigner
Academicians/Industry Experts/ Entrepreneurs/ Research Scholars	2000/-	2500/-	120 USD
Students(PG/UG)	1000/-	1500/-	60 USD

*Registration fee includes Delegate Kit, Lunch and High Tea.

* Publication charge for accepted research paper is RS 2500/-

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INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENT IN SUSTAINABLE NANO-SCIENCE AND TECHNOLOGY

30-31 JANUARY 2024

Venue:

Vinayak Hall
IISU Campus

Organized by
Department of Physics, Centre for Nano Science & Nano Technology and
Centre for Research Innovation and Training (CRIT)

INVITATION

Distinguished Colleagues

It is our immense pleasure and privilege to invite you to 2-days "International Conference on Recent Advancement in Sustainable Nano-Science and Technology" (IC-RASNT 2024) being organized by Department of Physics, Centre for Nano Science & Nano Technology and Centre for Research Innovation and Training (CRIT), IIS (deemed to be University), Jaipur, during 30-31 January 2024. The Conference will provide an opportunity to Researchers from all over the country and abroad to interact and discuss the contemporary issues of research in Nanotechnology.

ABOUT JAIPUR

Jaipur, the Pink City of India, is the chief attraction for the visitors to Rajasthan. This city which is the Capital of Rajasthan, Jaipur, casts an unusual spell on the travellers with its royal palaces, forts and monuments, revealing a historic past or chivalrous warriors, aristocratic royal ladies, art & craft, literature & science. Moreover, handicrafts like miniature paintings, textiles, blue pottery and jewellery make it a shopper's paradise.



ABOUT THE UNIVERSITY

IIS (deemed to be University), Jaipur is among the pioneers in Rajasthan in imparting high quality education to women in different streams. It is known for excellence in delivering value-based education to students and encourages them to think innovatively in different walks of life. It particularly focuses on preparing students to become world ready citizens, who are abreast to take any professional and social challenges with an educated and empowered mind. The IIS University (IISU) has been accredited by the NAAC under section 12B by UGC. As per MHRD evaluation, IISU is one amongst the 38 Deemed Universities across the country placed in category 'A'. The University has been granted the membership of the Association of Indian Universities (AIU) and The Association of Commonwealth Universities, U.K. (ACU), also the membership of Association of Universities of Asia and Pacific (AUAP). At IISU, career education is imparted within the framework of Choice Based Credit System through instruction in different Schools and Centres. With an approximate strength of 4500 students, 250 faculty members and 150 supporting staff, the University offers a wide array of Semester based UG and PG programmes and research programmes leading to Ph.D., D.Sc. and D. Lit. degrees.



ABOUT THE DEPARTMENT

The department of Physics (School of Physical Sciences) was established in July 1995 and has since grown into one of the major centres for teaching and learning at the University. The department offers undergraduate, post graduate and doctoral degree programmes. The department has state of the art infrastructure with well equipped laboratories, resources and trained technicians. Within a span of nearly 28 years the department has made remarkable progress in terms of quality of programmes offered by it. We are using Software like MATHEMATICA, MATLAB, WIEN2K, Quantum Espresso, P-Spice, R, Python, Scilab and programming with C++ have been introduced in Practical courses at UG /PG level. At Department of Physics, research is being conducted in different areas, such as dielectric properties of solids and liquids at microwave frequencies, Electronic structure studies of materials by using software like WEIN2K and Quantum Espresso, deposition of thin films of materials by using vacuum coating thermal evaporation system, synthesis of nanoparticles using sol-gel and hydrothermal methods, renewable energy technology and designing of electronic circuits.

ABOUT THE CENTRE FOR NANO SCIENCE & NANO TECHNOLOGY

The Centre for Nano Science and Nano Technology has been established at the University with an aim to provide multidisciplinary skill based education and research opportunities to the students, enabling them to participate in the development, design, characterization and application of nanomaterials. It offers programme which aim to make students industry ready and are helpful in opening job opportunities in the field of lubrication, environmental observing, sensors and controls, food science, forensics, military and national security, energy generation and storage, electronic industries and material science, including textiles, polymers, packaging, auto and aerospace industries, sporting goods, biotechnology, drug delivery and other medical related fields.

ABOUT THE CENTRE FOR RESEARCH, INNOVATION & TRAINING (CRIT)

Established in 2013, The Centre for Research, Innovation and Training (CRIT) organizes Seminars, Conferences, Workshops and Training Programmes to equip students and faculty members with the know-how of advanced research tools and techniques. Faculty members, Research Scholars and students from outside institutions are also given opportunity to register for various programmes and Research Methodology Workshops organized by CRIT. CRIT also provides sanction to student projects and faculty projects financed by the university to promote research activities on the university campus.

ABOUT THE CONFERENCE

The scope of the conference has been kept broad based with the intention that young research scholars and PG students can get exposure to the contemporary topics of research. Besides, industry persons will also be invited to discuss current scenario in the industries and how our students can enhance their skill for gainful employment after completion of their studies. Different sessions of the conference will be dedicated to the various newer upcoming trends and preferences in advances in Nanotechnology.

THEMES

- Nanoscience and Technology
- Material Science and Engineering
- Ceramics, Glasses & Composite Materials
- Advanced Nanomaterials
- Surfaces, Coatings and Films of Nanomaterials
- Nano Materials and Medical Devices
- Nano engineering and its Applications
- Carbon Nanostructures and Graphene
- Electrical, Optical, and Magnetic Materials and Spintronics
- Physics and Chemistry of Nano Materials
- Functional Nano Materials
- Polymers Science & Nano Engineering
- Computational Modelling (DFT) of Metals & Materials
- Biosensor and Bio-electronic Nano Materials
- Optics and Optoelectronic Nano Materials
- Nano-electronics and Nano-electronic Devices
- Nano Biotechnology
- Nanocrystallography
- Energy Nanomaterials- Generation and Storage
- Semiconductors and Smart Materials
- Environmental and Green Nanomaterials
- 2D Nanomaterials
- Batteries and solid electrolyte Nanomaterials
- Nano Lubrication (Dry and Wet)
- Dielectric Properties of Nanoparticles

SUBMISSION OF ABSTRACTS

The scope of the conference has been kept broad based with the intention that young research scholars and PG students can get exposure to the contemporary topics of research. Besides, industry persons will also be invited to discuss current scenario in the industries and how our students can enhance their skill for gainful employment after completion of their studies. Different sessions of the conference will be dedicated to the various newer upcoming trends and preferences in advances in Nanotechnology.

The abstract should be up to 250 words including:

- Title:** MS word in Arial (Size 16 points) in single spacing
Authors: MS word in Arial (Size 14 points)
Affiliation: MS word in Arial (Size 12 points)
Abstract: MS word in Arial (Size 12 points) in single spacing

Abstracts should briefly include the purpose of study, materials and methods, results and conclusions. At the bottom of the page, please indicate the theme and also whether an oral or poster presentation is preferred. (Only a few selected papers will be given the opportunity for oral presentation due to time constraint). The name of the presenting author should be underlined and accompany the e-mail address.

Abstract should be submitted through e-mail at rasnt24@iisuniv.ac.in. Abstracts of only the registered candidates will be considered for oral/poster presentation. Though the preference is taken, the final selection will be made depending upon the number of abstracts received.

All the submitted abstracts will be scrutinized by a reviewing committee and information of the acceptance will be sent by e-mail to presenting /corresponding author.