



# INTERNATIONAL CONFERENCE on

## “Applications of Nanotechnology in Transformation of Environment, Agriculture and Healthcare” (ICANTEAGH)

### November 3-4, 2023

**Organized by**  
Department of Zoology  
University of Rajasthan, Jaipur,  
Rajasthan India-302004

**Under the aegis of**  
Rashtriya Uchchar Shiksha Abhiyan  
(RUSA) 2.0 Program Thematic Project No. 5

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### Conference Secretariate

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Phone: +91-141-2711158

Email: icrusa2023@gmail.com

Venue- Department of Zoology, University of Rajasthan, Jaipur-302004, Rajasthan, India



# INVITATION

Dear Colleagues,

It is our great pleasure to extend an invitation and welcome you to the International Conference on “Applications of Nanotechnology in Transformation of Environment, Agriculture and Healthcare” (ICANTEAGH-2023), which will be held on November 3–4, 2023, at the Department of Zoology, University of Rajasthan, Jaipur (India). The conference is being organized under the auspices of Rashtriya Uchchar Shiksha Abhiyan (RUSA 2.0) Program, Thematic Project No 5.

The conference shall provide a forum for scientists, academicians, technologists, policymakers, program managers, service providers, and non-governmental organizations (NGO) working in the fields of **Nano-technology** like agriculture, healthcare, environment, cancer prevention, radioprotection, food security, pest management, **Nanoinformatics**, and other related issues. Your active participation would positively enhance the dialogues about research. We shall make all efforts to provide an attractive scientific and social environment to make your stay memorable in the Pink City, Jaipur.

## REGISTRATION

Link for Registration:

<http://icrusazooor2023.co.in/registration.php>

### Bank details

Bank - ICICI Bank, Bapu Nagar Jaipur  
Account Name - International Conference on Application of Nanotechnology UOR, Jaipur  
Account No. -674701702618  
IFSC Code -ICIC0006747

The payment slip must be uploaded at the time of registration.



Scan here for  
REGISTRATION



Scan here for  
PAYMENT

## IMPORTANT DATES:

Deadline for abstract submission:

Intimation of selection for poster/oral presentation:

Deadline for online registration:

25<sup>th</sup> Oct, 2023

30<sup>th</sup> Oct, 2023

2<sup>nd</sup> Nov, 2023

## REGISTRATION FEE DETAILS

Category		Early Bird (Upto 15 <sup>th</sup> October, 2023)	Late Bird (After 15 <sup>th</sup> October, 2023)
Delegate (Academia)	Indian	₹2500/-	₹3000/-
	Overseas	US\$150	US\$200
Delegate (Industry)	Indian	₹5000/-	₹6000/-
	Overseas	US\$200	US\$250
Research Scholars	Indian	₹1800	₹2000
	Overseas	US\$120	US\$150
Students (PG/UG)	Indian	₹1200/-	₹1500/-
	Overseas	US\$100	US\$120
Accompanying Person	Indian	₹2000/-	₹2500/-
	Overseas	US\$120	US\$150



# THEMES

## I Synthesis and Characterization of Nanomaterials

- Green and chemical synthesis of nanoparticles
- Biological activities of nanomaterials
- Functionalization and modeling
- Nanoparticles interactions with biological molecules

## II Therapeutic Potential of Nanomaterials

- Herbal nanoparticles
- Radioprotection, cancer prevention and treatment
- Neurodegenerative diseases and neuropsychiatric disorders
- Diabetes and diabetic neuropathy
- Respiratory diseases and cardiovascular diseases
- Reproductive health, fertility regulation and infertility management
- Nutrition and lifestyle transition
- Vector borne diseases and their management

## III Environmental Protection and Sustainable Development

- Pollution control
- Biosensors
- Biodiversity conservation

## IV Recent Trends and Development in Agriculture

- Pest management
- Crop production
- Crop protection
- Stored products management

## V Novel Approaches in Microbiology and Allied Sciences

- Waste water managements
- Treatment of water borne diseases
- Alternative therapies for microbial diseases
- Multi drug resistance

## BEST POSTER PRESENTATION AWARD

- For poster presentations, PG, research students and faculty members can apply.
- Candidate should be below 35 years of age.
- Criteria for selection of award will be based on content, presentation and in depth knowledge (Poster Size -36"X48").

## BEST ORAL PRESENTATION AWARD

- For oral presentations, research scholars or faculty members both can apply, with the condition of presenting their research data of original research work.
- Candidate should be below 35 years of age.
- Criteria for selection of award will be based on content, presentation and in depth knowledge.

## INNOVATION AWARD

- No age limit for participation
- Originality and significance of innovation will be criteria of selection.

## ABSTRACT SUBMISSION AND PRESENTATION

Abstract should be submitted in any one of these 2 categories

Abstract should include following sections

Poster Presentation

Oral Presentation

Category	Poster/Oral presentation (should be written on left corner)
Title	Times New Roman with the font size 14 in uppercase
Author names	The name of presenting author should be underlined. Names of all the author should be given as surname followed by initials. For Ex Dr. Meenal Kumari Shekhawat Should be written as Shekhawat MK
Affiliation	
Address for correspondence	Complete postal address of corresponding author along with Email ID (mark with asterisk*)
Abstract	Maximum 250 words and font size of 12 in Times New Roman
Key words	Five to eight
Last date of abstract submission	25 <sup>th</sup> October, 2023



# ABOUT RUSA PROGRAM 2.0



Rashtriya Uchchatar Shiksha Abhiyan (RUSA) is a Centrally Sponsored Scheme (CSS), launched in 2013 and operates in mission mode for funding the State Government Universities and Colleges to achieve the aims of equity, access and excellence, at providing strategic funding to eligible state higher educational institutions. RUSA would create new Universities through upgradation of existing autonomous colleges and conversion of colleges in a cluster. It would create new model degree colleges, new professional colleges and provide infrastructural support to universities and colleges. Faculty recruitment support, faculty improvement programmes and leadership development of educational administrators are also important components of the scheme. A separate module to synergise vocational education with higher education has also been included in RUSA. Besides these, RUSA also supports reforming, restructuring and building capacity of institutions in participating state. The funding to states would be made on the basis of critical appraisal of State Higher Education Plans, which would describe each state's strategy to address issues of equity, access and excellence in higher education.



## ABOUT ICANTEAGH-2023

The purpose of the conference is to provide a forum for discussion about all aspects of nanoscience and nanotechnology, to provide young researchers a chance to meet and engage with leading global scientists in the field, and to set up the exchange mechanisms and collaborations that will enable the field to develop and flourish. Nanotechnology has gained intense attention in recent years due to its wide applications in several areas like health care, catalysis, energy and materials. In the Covid times, nanotechnology went through a new phase of development in health and biomedical applications, demonstrating its importance and relevance in times of health crisis. As disparities among nations and individuals expand because of globalization, it becomes vital to support academic and scientific advancement in cutting-edge fields like nanotechnology with possible applications in biomedical research, such as the synthesis of nanoparticle drugs and medications, agriculture, healthcare, environment, radioprotection, food security, pest control, nanoinformatics, and other related areas. Researchers, practitioners, and educators will be encouraged to present and discuss the latest breakthroughs and trends in the listed domains at this premier inter-multi-trans-disciplinary conference. It will be highly beneficial for delegates to explore their research interests, collaborate with others, and raise awareness based on scientific facts that eminent field specialists from Universities, Institutes, the healthcare industry, etc. will be sharing.

### ABOUT THE UNIVERSITY

The oldest institution of higher education in Rajasthan is the State University, University of Rajasthan, which is located in the Pink City, Jaipur. With the primary goals of advancing knowledge and meeting the requirements of both state and national students, it was founded in 1947 as the University of Rajasthan. The University offers multiple courses in the fields of Education, Engineering & Technology, Law, Management, and Social Sciences. With several grants like FIST, SAP, CAS, IPLS, RUSA, and others, the university has immensely grown over its 75-year history in both academics and research, as well as in infrastructure and instrumentation.



### ABOUT THE DEPARTMENT OF ZOOLOGY

In 1960, the late Professor L.S. Ramaswami founded the Department of Zoology. Despite the fact that the University has several Departments, this one is still thriving under the able leadership of stalwarts, with Distinguished Professors and Researchers who have multiple achievements in research across numerous significant areas. A huge grant of 685 lakhs under RUSA 2.0 program has currently been awarded to the Department. Various funding agencies, including the ICMR, DBT, DST Government of Rajasthan, Jaipur have provided the Department financial grants to development. The Department has well-established laboratories for different research activities which includes cell culture, Reproductive Biology, insect culture, microbial culture, Molecular Biology, Neuroscience, and Nanoscience, Environmental Toxicology. These laboratories are equipped with cutting-edge technologies and certified animal husbandry facilities. With an extensive glorious background, the department now has 33 faculty members and running five specialized papers, including Cell and Molecular biology, Entomology, Cancer Biology, Reproductive Biology, and Environmental Biology. The faculty members have been involved in teaching and research work, which is impacted by good citations.





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Molecular and Cellular Endocrinology, Jawaharlal Nehru University (JNU) New Delhi - India

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Facharzt für Humangenetik, Now Founder and PI of the Hanse Genetik, Hamburg (Germany)

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Ex Professor Microbiology, All India Institute of Medical Sciences New Delhi

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Dr. Nisha Gupta DST-INSPIRE Faculty, Hebbal, Bengaluru,  
Dr. Sukanta Mondal Principal Scientist, Animal Physiology Division, ICAR-NIANP, Adugodi, Bangalore  
Dr. Adhikrao Dhanaji Jadhav Department of Zoology, Shivaji University, Kolhapur-416004, M.S. India  
Dr. Kakoli Dutt Associate Prof. Dept. Life Sciences J.C. Bose Univ. of Sci and Tech, Faridabad, Haryana  
Dr. Gurpal Singh Assis. Prof Univ. Institute of Pharmaceutical Sciences, Panjab Univ, Chandigarh (India)  
Dr. Ravindranath H. Aladakatti Principal Res Scientist,, IISC, Bengaluru, Karnataka (INDIA)  
Dr. Subhash C Yadav Additional Professor, EM, Department of Anatomy, AIIMS, New Delhi,  
Dr. Rajendra Chauhan Professor in Zoology, Govt. M. V. M. Bhopal (M.P.)  
Prof. R A Sharma, Dept of Botany Univ of Raj, Jaipur  
Prof. Jyoti Sharma, Chemistry Dept. Univ Of Raj, Jaipur  
Dr. C L Saini, Assistant Professor, Physics, Univ of Raj, Jaipur  
Mr. Kalu Ram Registrar, Univ of Raj, Jaipur  
Mr. Ram Sukh Jatoliya, FO, Univ of Raj, Jaipur  
Dr. Nitesh Kumar Poddar, Associate Professor Department of Biosciences, Manipal University Jaipur  
Prof. Indu Pal Kaur Pharmaceutics University Institute of Pharmaceutical Sciences (UIPS) Panjab University, Chandigarh, India

## ABOUT THE PINK CITY

The capital of Rajasthan, Jaipur, was established in AD 1727 by Sawai Jai Singh II and is referred to as the "Pink City" because of its planned and large avenues and open gardens. Jaipur is rich in both culture and history, and its majestic forts and palaces bring the past to life. With its romantic beauty, this fascinating city transports visitors to a time of tradition and regal rule. A popular Indian tourist site Jaipur, which is listed as a UNESCO World Heritage Site, acts as a gateway to other Rajasthanian tourist destinations like the Sun City Jodhpur, the Golden City Jaisalmer, and the Lake City Udaipur. Amer Fort, Jantar Mantar, Nahargarh Fort, Jaigarh Fort, Galtaji, Govind Dev Ji Temple, Garh Ganesh Temple, Birla Mandir, Sanganeri Gate, Nahargarh Biological Park, Sisodiya Rani Bagh, and Kanak Vrindavan Ghati are a few of the attractive tourist sites. The crowded bazaars of Jaipur, known for their embroidered goods, crafts like bandhani, block printing, stone carving and sculpture, tarkashi, zari, gota-patti, and zardozi, silver jewelry, gems, kundan, meenakari, Lakh ki chudiya, miniature paintings, blue pottery, ivory carving, shell lac work and leather ware.

## TRAVEL AND ACCOMMODATION

- Travel reimbursement will NOT be made by the organizers.
- Accommodation can be booked on request. The payment of the same will be borne by the delegates in Advanced.

## WEATHER

During the scheduled conference period, the weather is expected to be pleasant with temperature between 20-25°C