

International Conference on Biological Research and Bio-Statistics (Emerging Trends and Future Prospects)

(ICBRBS-2019)
April 29-30, 2019



Organized by
**U. P. RAJARSHI TANDON OPEN UNIVERSITY,
PRAYAGRAJ, U.P. INDIA-211021**

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Hon'ble Vice Chancellor

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Dr. Ravindra P. Singh, Academic Consultant (Bio-Chemistry)
Dr. Shushma Chauhaan, Academic Consultant (Botany)
Dr. Deepa Pathak, Academic Consultant (Zoology)
Dr. Vikas Singh, Academic Consultant (Mathematics)
Dr. Anjani K. Singh, Academic Consultant (Physics)

Venue

Saraswati Campus (Academic Block)
U.P. Rajarshi Tandon Open University
Shantipuram, Sector - F , Phaphamau, Prayagraj, U. P., India-211021
Web-site: www.uprtou.ac.in

About the Conference

The goal of this conference is to explore research in basic and health sciences in the domain biosciences and biostatistics. In current scenario, it is the time of interdisciplinary area of research includes area of sciences, engineering, medicine and statistics. The nanotechnology is gaining overwhelming response in almost all research fields. The advance in nanotechnology and engineering suggest that many of the issues involving biomedical, water quality, and energy etc. could be resolved. Therefore, the conference is aimed to bring together the scientific communities and industries expert working in the interdisciplinary area of nano-science and technology with special emphasis to biological systems.

Aggregated protein nanoparticles that are formed by misfolded protein and associated aggregation pathway is prerequisite to develop therapeutics for neurodegenerative diseases. When nanoparticles linked with biotargeting ligands such as peptides or small molecules, these nanoparticles can be used to target diseased cells and organs with high affinity and specificity. The graphene anchored advanced materials has lot of application in medicines, medical device, electronic, energy and environmental applications. The potential catalytic activity of graphene material makes it useful in biomedical, energy and wastewater treatment applications.

The current research is going to be sifted in development of sensors to detect molecules that measure physical quantity and convert those quantities to signal that they detect and analyzed. Bio-inorganic molecules have vital importance in many aspects of living organisms. When the biomolecules interact with inorganic molecules give biological significance. Research in bioinorganic chemistry highlighted the area of synthesis of novel complexes or materials at nanoscale level. In addition, supra-molecular chemistry has been given new dimensions in bioinorganic chemistry.

Nowadays, great challenges we have in the waste collection and dumping, lacks of dumping sites and lacks of sanitary equipment for sanitary workers etc. are in sanitation and health.

Nanotechnology in agricultural area makes pivot in sustainable farming. The nanocapsule has been keeping in their involvement in genetic crop modification, soil testing, and delivery of pesticide, hormones and agrochemical etc. The application of remote sensing also puts pivot role in measuring crop yield, weather forecasting, etc. In addition, the research in remote sensing has been diverted to monitoring of hydrological cycle, climate change, population density, natural resource measurement and land use land change, etc.

Research in computational biophysics is uses physical principles to understand complex biological phenomena at an atomistic level of details. Some methods that are often employed in computational biophysics are molecular dynamics simulations, electrostatic energy calculations etc.

However, in the field of bio-science and research, the statistics plays an important role in improving the results with scientific analysis of the data through traditional methods and recent Statistical methodsthrough softwares. Statistical methods used in the application for research and development are crucial in the various areas.

The main aim of this conference is to expand the fundamental knowledge and show the importance of diverse field of research in biological science and biostatistics. This conference would be provided the new vision and opportunity for young researchers and scientists those are working in science and technology. In addition, this conference show the advancement made by biological research and biostatistics that would be helpful to government for policy and decision making and also for funding in research and development.

Thrust Area

- Biomedical: Nano-biotechnology and nano-medicine
- Theragnostics of chronic diseases.
- Protein aggregates for biomedical and nanotechnology applications
- Peptide nanostructures for biological applications
- Advanced material: Interfacing bio molecules with Graphene
- Nanofabrication of bioinspired material and gels
- Environmental challenges in sanitation and health
- Advanced material sensors
- Nanostructures for biological applications
- Bioinorganic chemistry and their applications
- Computational Biophysics
- Health Nutrition and family resource management
- Bioinformatics: Modeling and simulation
- Nanotechnology in agriculture and wastewater treatment
- Bio-Statistics in Biological Sciences
- Statistical approach of remote sensing in agricultural and sustainable development
- Applied Statistics

Plenary Sessions:

In addition to inaugural and valedictory sessions there shall be six (6) Plenary Sessions chaired and co-chaired by Eminent personalities related to above mentioned sub-themes.

Participants/Delegates:

The participants will be Research Scholar, Faculty Members, Undergraduate Students, Postgraduate Students, Industry Delegates of a broad set of areas related to Physics, Chemistry, Mathematics, Statistics, Geology, Life Sciences, Geophysics, Biochemistry, Bioinformatics, Biophysics, Biotechnology, Computer Science & Informatics, Material Sciences, Medical and Paramedical Sciences, Energy and Environmental Sciences, Agricultural Sciences, Atmospheric and Ocean Sciences.

Submission of papers

Abstract of the research papers invited for presentation shall be submitted electronically as the MS-word file latest by April 15, 2019. The abstract restricted to maximum 500 words, must contain the title of the paper, name(s) of author(s) with affiliation and email id(s). The name of presenting author must be underlined. Selected full papers shall be published in an edited book with ISBN number.

Registration Fees	Rupees()	USD(\$)
Research Scholar	1000/-	30
Faculty	1500/-	50
Industry /NGO representative	2500/-	60
Accompanying Person	1000/-	30

*The registration fee includes the conference kit, participation in scientific programmes, working lunch and tea during the conference.

*One registered participant shall present only one paper, either oral or poster. Only the author who has remitted the registration fee will be permitted to attend the conference and the other individual co - authors have to register separately and remit registration fee to attend the conference. Registration fees will be paid through Demand Draft/Cash/ Online in favor of “**Finance Officer, UPRTOU, Prayagraj, U.P., India**”,. It should be sent to the organizing secretary at the university address along with the registration form till the last date April 15, 2019. Payment through other mode will be not allowed.

About Prayagraj

Prayagraj is one of the traditional cities of the world having enriched with splendid history in the arena of spirituality, politics, independence, academia and judiciary as well. City is situated at the confluence of holy rivers Ganga and Yamuna, called Triveni Sangam due to invisible Swaraswati. Every year in the month of January Magh Mela is organized at Sangam while every 6th year Ardh Kumbh and every 12th year Maha Kumbh (Biggest gala of the World) is organized. It is one of the fastest growing cities in India. During Kumbh mela Prayagraj stands as one of the most populas city in the world. This year Kumbh mela which conclude on March 4, 2019 is being witnessed by people from not only the nation but also from more than 100 contries of the word. The city is also known as 'Prayag' or 'Tirth Raj'. It is located 201 Km South - East of the state capital Lucknow, 121 Km East from spiritual city Varanasi, 199 Km North - East from industrial city Kanpur and 423 Km. East from the Historical city Jhansi. Allahabad has an area of about 70 sq. km. and has hight of 98 mt. (332ft) above sea level. The city temperature during March is usually between 20°C - 25°C. Prayagraj has been the educational hub of the country since ancient period and University of Allahabad is also known as Oxford of the East is also situated here. Inadition, this city has number of global reputed educational institutes and historical places.

Accommodation

The university has its own Guest House in which accommodation may be provided to the limited number of outstation delegates, on their demand well in advance. The expenses incurred are to be born by the participant. However Accommodation in the Hotel may be arranged on request and all the expenses of the stay and food will be borne by the delegates them self.

How to reach University Campus

University well connected with road, railway and airport. University is situated at Shantipuram Sector-F, Phaphamau, Prayagraj, in front of Rapid Action Force (RAF) Campus and after the Lal Bahadur Sastri Homeopathic Medical College. Distance form Allahabad Jn. (ALD) railway station is about 14 km., from Phaphamau (Jn.) railway station is about 2.5 km., from Prayag railway station is about 7 km. and about 22 km. from Allahabad Airport (IXD).

National Advisory Board

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Dr. B. K. Dwivedi, Director. Bioved Research, Allahabad

Local Advisory Board

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Prof. S. K. Pandey, Academic Consultant- Statistics, U.P.R.T.O.U., Prayagraj
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Prof. J. P. Srivastava, Academic Consultant- Agri. Science, U.P.R.T.O.U., Prayagraj
Dr. S. S. Tripathi, Academic Consultant- Maths, U.P.R.T.O.U., Prayagraj

Organizing/Technical Team

Dr. U. N. Tiwari, Lecturer, Dept. of Education, U.P.R.T.O.U., Prayagraj
Dr. Gaurav Sankalp, Academic Consultant- Management, U.P.R.T.O.U., Prayagraj
Mr. Amit Singh, Academic Consultant- Yoga, U.P.R.T.O.U., Prayagraj
Dr. Shivendra P. Singh, Academic Consultant- English, U.P.R.T.O.U., Prayagraj
Dr. Abhishek Singh, Academic Consultant- Geography, U.P.R.T.O.U., Prayagraj
Mr. Neeraj Mishra, Technical Officer, U.P.R.T.O.U., Prayagraj
Mr. Dheeraj Rawat, Technical Officer, U.P.R.T.O.U., Prayagraj
Mr. Shahbaz Ahmad, Technical Officer, U.P.R.T.O.U., Prayagraj

Correspondence:

Please send your confirmation about registration & travel plan on

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Online Registration:

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Dr. Deepa Pathak

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Dr. Shusma Chauhan

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Mr. Shahbaz Ahmad

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REGISTRATION FORM

Name: _____

Designation: _____

Affiliation: _____

Full Postal Address: _____

Email: _____

Phone / Mobile: _____

Paper Title _____

Author: _____

Co-Author(s): _____

Accommodation Required: **Yes:**

No:

Details of Registration Fees: **D. D. / Cash/ Online**

(a) DD No.: _____ Date: _____ Amount: _____

(b) Cash Receipt No.:

(c) Online Payment Info.:

DELEGATE SIGNATURE

For Student/ Research Scholars Registration Form will be forwarded by the Dean / Director /
HOD / Supervisor