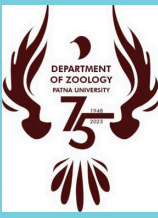




International Conference

On

Recent Trends in Biosciences and Healthcare



22nd-23rd November, 2024

Organized by

**Department of Zoology, Patna University,
Patna, Bihar, India**

Venue:

Anushad Bhawan, Patna University, Patna, Bihar, India



**Patna Science College, Patna
University, Patna, Bihar, India**

In Collaboration with



**Indian Science Congress
Association (ISCA-Patna Chapter)**

Sponsored by



**Bihar Council on Science and
Technology (Patna)**

Contact Details

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About the Patna University (PU)

Patna University, which has entered 108 years of existence, is the 7th oldest university in the Indian subcontinent. The history of Patna University parallels to the educational, cultural, political and economic growth of modern Bihar. It is the only teaching and residential university in the state with a truly national character that transcends linguistics, cultural, political and other denominational boundaries. The university provides a conducive environment for pursuing quality research, innovations and creative retrospection of existing forms of indigenusness and receiving knowledge, sharing productivity with global academia, industries, government and civil societies. It has 31 postgraduate departments in the faculties of science, social science, humanities, education, commerce and law in addition to 10 constituent colleges, four institutions and a directorate of distance education.

About the Department of Zoology, Patna University

The postgraduate department of Zoology, initially started in August 1948, under the Patna Science College, was established as an independent university department in July 1952. During the 1960s, the department acquired particular prominence as well as a reputed center for research in the fields of entomology, cell biology, fish and fisheries and helminthology. Currently, all faculty members of the department are actively involved in various research areas, such as aquatic toxicology, fish biology, toxico-genetics, ecophysiology, limnology, river ecology, biodiversity conservation, stress biology, entomology, genomics, transcriptomics and proteomics. The department also has some foreign collaboration. Presently, the department is offering CBCS-based four semester M.Sc. program in Zoology and Environmental Science and Management (self-financing) and a PhD programme in Zoology. This department entered the 75th year of its inception, and this conference is one of the events planned to mark the platinum jubilee year of the department.

About the Conference

Bioscience is a rapidly advancing discipline, that merges basic science with emerging technologies. It integrates various disciplines, including biophysics, biotechnology, bioinformatics, and synthetic biology, to address key challenges in healthcare, environmental sustainability, and industry. Key trends include advancements in stem cell technology and personalized medicine, which tailor treatments to individual genetic profiles. Synthetic biology enables the creation of biofuels and biodegradable materials, whereas AI and machine learning have enhanced data analysis in computational biology. This conference offers a global platform to discuss these innovations and their potential to improve quality of life and to address global challenges.

Objectives of the Conference

- Dissemination of the latest knowledge in the field of biosciences and healthcare
- Global perspective of emerging trends in biosciences and healthcare Exposure of
- young researchers to the latest trends in biosciences and healthcare Provide
- platforms for research collaboration

Themes of the Conference

- Climate change and threats to environmental health, including biodiversity
- Diseases and Public Health
- Basic Sciences and Advanced Techniques in Biosciences
- Advances and Applications of Biotechnology, Biochemistry, Microbiology, Bioinformatics and Nanotechnology in Biosciences

Call for Abstract

Abstracts for oral and poster presentation are invited through online submission (Email Id: zoologypg2020@gmail.com) to any of the themes mentioned above. The abstract (200-250 words) should be prepared using MS word, Times New Roman for English with font size 12 and line spacing of 1.5. The last date for abstract submission is October 21, 2024. No abstract will be considered after this date.

Awards

The best oral (first, second and third) and best poster (first, second and third) presentations will be awarded. The certificates will not be awarded to participants who fail to attend the conference in person.

Registration fee and link

Category	Online registration	On spot registration
Scientists, Teachers and Academicians	3000	3200
Research Scholars	2000	2200

Registration



Payment



Registration fees can be deposited (after the selection of abstracts) online at the Indian Bank, Patna University Branch, Patna (IFSC Code: IDIB00P616), Account Number: 50437134083. Receipt of the payment must be produced at the time of registration on 22nd November 2024. Registered participants will be provided working lunch, tea and snacks along with conference kits, including the abstract book. The participants can register via a link/QR code (<https://rb.gy/0p3wan>). The registration link will be active after 5:00 PM on 30th October 2024.

Important dates

	Date
Last date for abstract submission	21 st October 2024
Announcement of selection of Abstract	30 th October 2024
Last date for online registration	15 th November 2024

Accommodation and travel

The participants are requested to make their own arrangements for the travel and accommodation.

• **Patron:** Prof. Ajay Kumar Singh, Vice Chancellor, Patna University

• **Conveners:** 1. Prof. Shahla Yasmin, Head, Dept. Of Zoology
2. Prof. Parimal Kumar Khan

• **Organising Secretaries:**

1. Dr. Anupma Kumari
2. Dr. Gyanendra Bahadur Chand
3. Dr. Dilip Kumar Paul

• **Joint Organizing Secretaries:**

1. Dr. Gajendra Kumar Azad
2. Dr. Dileep Kumar

• **Treasurers:**

1. Prof. S. M. Mahboob Hassan
2. Dr. Gajendra Kumar Azad

• **IT In-charge**

1. Dr. Mayank Kumar

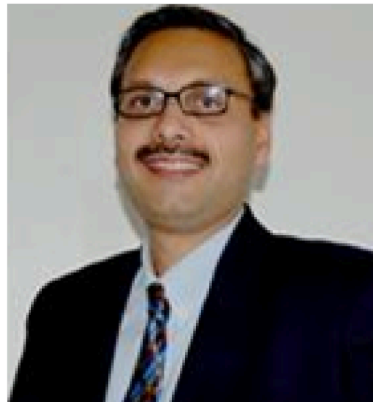
• **Organizing Committee Members:**

1. Dr. Shobha Srivastava, Patna Women's College
2. Dr. Mridula Renu Sinha, Magadh Mahila College
3. Dr. Motilal Gupta, B. N. College
4. Dr. Ranjana, Patna Science College
5. Dr. Babita Sharma, Patna Science College
6. Dr. Akhilesh Kumar, Patna Science College
7. Dr. Priyanka Sharma, Patna Science College
8. Dr. Praveen Kumar, B. N. College
9. Dr. Sujata Kumari, Magadh Mahila College

• **Advisory Committee Members:**

1. Prof. Rash Bihari Prasad Singh, Former Vice-Chancellor, Patna University
2. Prof. G. K. Choudhary, Chairman, Bihar State University Service Commission
3. Prof. R. K. Sinha, Former Vice-Chancellor, Mata Vaishno Devi University, Jammu
4. Prof. A. K. Ghosh, Head, Research Wing, Mahavir Cancer Sansthan, Patna
5. Dr. Anant Kumar, Director, Bihar Council on Science and Technology, Patna
6. Dr. Shiv Shanker Sahay, Nodal officer, (BCST)
7. Prof. D. N. Thakur, Principal, Patna Science College, Patna
8. Prof. Sheo Satya Prakash, Convener, ISCA, Patna Chapter
9. Prof. Birendra Prasad, Head, Dept. of Botany, Patna University
10. Prof. Anil Kumar, Head, Dept. of Geology, Patna University
11. Prof. Rajneesh Kumar, Head, Dept. of Biochemistry, Patna University
12. Prof. Meenakshi Singh, Head, Dept. of Biotechnology, Patna University
13. Prof. Sumita Singh, Head, Dept. of Physics, Patna University
14. Prof. Shailendra, Head, Dept. of Chemistry, Patna University
15. Prof. P. K. Choudhary, Head, Dept. of Mathematics, Patna University
16. Dr. Amit Kumar, Head, Dept. of Statistics, Patna University

Distinguished Speakers



*Prof. Shishir Shishodia
College of Science,
Engineering and
Technology Texas Southern
University Texas, USA*



*Prof. Rizwanul Haque
Dept. of Biotechnology
Central University of South
Bihar (CUSB) Gaya, Bihar,
India*



*Prof. Nooruddin Khan
Department of Animal
Biology School of Life
Sciences University of
Hyderabad, Hyderabad,
Telangana, India*



*Prof. Tarit Roy Chowdhury
Director School of
Environmental Studies
Jadavpur University
Jadavpur, West Bengal,
India*



*Dr. Ankur Singh
Melbourne School of
Population and Global
Health, Melbourne Dental
School University of
Melbourne Melbourne,
Australia*



*Dr. Sunil Kumar
Research Biologist
Department of Veteran Affairs
Greater Los Angeles Healthcare
System California, USA*



*Prof. Mohd. Serajuddin
Department of Zoology
University of Lucknow
Lucknow, Uttar Pradesh,
India*



*Prof. Manish Kumar
Faculty of Excellence Water Center
for Latin America & the Caribbean
Department of Sustainable
Technologies and Civil Engineering
School of Engineering and Sciences
Monterrey, Mexico*



*Dr. Abhay Kumar
Scientist-II
Molecular Genomics and
Transplant Immunology Lab
IGIMS, Patna, Bihar, India*



*Prof. Ram Kumar
Professor School of
Environmental Sciences,
Central University of South
Bihar (CUSB), Gaya, Bihar,
India*



*Dr. Subrata Hait
Associate Professor Civil &
Environmental Engineering
Indian Institute of Technology
Patna
Patna, Bihar, India*

Thank you !