



103 years of Excellence  
**International Conference on  
Emerging Bioscience Research for  
Rural and Urban Development-2020  
(ICEBRUD-2020)**

**16<sup>th</sup>-18<sup>th</sup> April 2020**

**Organised  
By**

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

**In collaboration with  
MSET-ICCB, Ranchi, Jharkhand  
ISCA Patna Chapter  
Patna Science College, Patna**

**About the Conference**

Basic research in science and its translation to potential applications that are relevant to the society's needs is essential for the strength of the county in all spheres of activities. Life science, agriculture and medical researchers have taken a boom in recent years. It is prerogative of the researchers to make their findings to reach the common people for the improvement of their life. The objective of the conference is to bring the academicians and scientists to a single platform for the exchange of ideas and expertise and to share their experience in the diverse areas of life sciences. We seek active participation from all researchers, scientists, technocrats, professionals as well as key sector leaders, policy makers and stake holders to participate, cooperate and exchange their ideas in order to focus on building a greater connect with the common man for their secured and comfortable life.

**Objective of the conference**

The key objectives of the conference are:

- to provide a forum to understand and in-depth introspection and analysis of problems and prospects of emerging basic and strategic researches in life sciences and their role in national development
- to discuss the feasibility of biotechnological advancements for providing food, nutritional and health securities to the people of nation
- to examine the causative factors for climate change, environmental degradation, loss of biodiversity and to discuss the bioconservational strategies
- to decipher the most practical and scientific way of sustainable bioresource management for the welfare of the mankind

**About Patna University**

Patna University which has entered 103 years of its existence is seventh oldest university in Indian subcontinent. The history of Patna University is parallel to the educational, cultural, political and economic growth of modern Bihar. It is the only teaching cum residential university in the state with 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 reinterpretation of existing forms of indigenous and received knowledge sharing productivity with global academia, industries, government and civil societies.

It has 31 post-graduate departments in the faculties of science, social science, humanities, education, commerce and law and 10 constituent colleges and four institutions besides a full-fledged directorate of distance education.

**About the Conference venue (Department of Zoology, Patna University)**

The post-graduate department of Zoology was established in August 1948 under the Patna Science College and it was upgraded as an independent university department in July 1952 with late Prof. Suresh Keshava as its first Head. During the long 20 years of tenure, he moulded the destiny of the department by placing it on the global map as a well-known centre for teaching and research in zoological sciences. The department has produced several eminent academicians and researchers who brought laurels for the department like Late Prof. RK Sharan, Late Prof. Sohan Lal Sahni, Late Prof. V. Sinha, Late Prof. Devendra Prasad, Late Prof. JS Dutta Munsii, Late Prof. V Banerjee, Late Prof. SN Ahsan, Prof. DP Sinha, Prof. SD Singh, Late Prof. N Chatterjee, Late Prof. PN Saxena, Late Prof. S Pandey. During 60s, the department acquired particular prominence as well reputed centre for research in the field of entomology, cell biology, fish and fisheries and helminthology by the untiring efforts of seniors and Late Prof. Maya Banerjee, Late Prof. R Arora, Prof. AB Prasad, Prof. CP Singh, Prof. N Hussian, Late Prof. RC Sinha, Prof. NK Mishra, Prof. MP Sinha, Prof. Mrs. A Nath, Prof. VK Sinha, Prof. KN Shukla, Late Prof. S Choudhary and Late Prof. CM Srivastava. In late 70s, Prof. MP Jamuar, Prof. SK Srisvatava, Prof M Prasad, Late Prof. P Bhatt, Late Prof. P Rani, Late Prof. N Sardana, Late Prof. M Mohan joined the department followed by the inclusion of Dr. M Haque, Prof. Arbind Kumar, Prof. PK Khan, Dr. SK Sisodia, Dr. S Kumar in late 90s. In 2003, Dr. GB chand, Dr. Anupma Kumari and Dr. DK Paul joined the department. The two new incumbent to the department in 2019 are Dr. Richa Rani and Dr. Gajendra K Azad.

The faculty members of the department are actively involved in various research areas like aquatic toxicology, fish biology, toxico-genetics, ecophysiology, limnology, river ecology, biodiversity conservation, stress biology, serology, entomology, stem cells, and proteomics. The department also have some foreign collaboration. The faculty members of the department are recipients of various national and international awards. Prof. RK Sinha presently Vice-Chancellor of SMVD University, Katra, Jammu, got international recognition for the conservation of Gangetic river dolphin and has been awarded the order of the golden ark (Netherlands) in 1999 and Padma Shri in 2016. Dr. GB Chand is the recipient of ZSI gold medal, emerging scientist gold medal (KSSRDI, Bengaluru) and recognition gold medal (SLS, Satna MP). Dr. DK Paul is also a recipient of ZSI gold medal. Prof. PK Khan is the member of executive committee of All India Congress of Cytology and Genetics. Prof. Arbind Kumar, presently heading the Department has done extensive research on fluoride toxicity and propounded "Kumar's Hypothesis".

The department has nearly all latest equipments in central instrumentation centre to cater the basic requisites for the thrust areas of research. It has a well-established zoological museum with reasonably good collection of specimens, skeletons of aquatic mammals and rare



Website: [www.icebrud.in](http://www.icebrud.in)

Email: [zoologypu@icebrud.in](mailto:zoologypu@icebrud.in)



models. The departmental library has a latest edition of relevant books along with periodicals and journals of high reputes.

Presently, the department is offering CBCS based four semester MSc programme in Zoology and Environmental Science and Management (self-financing). The department also encompasses a PhD programme in Zoology.

### **About Patna**

Patna is the oldest continuously inhabited cities in the world and is known for its historical importance in the East India. It is 21<sup>st</sup> fastest growing cities of the world and 5<sup>th</sup> in India. Patna was founded in 490 BCE by the king of Magadha Empire. Ancient Patna known as Patliputra was the capital of Magadha Empire under the Haryanka Nanda, Mauryan, Shunga, Gupta and Pala empires. Patliputra was seat of learning and fine arts and has been home to many eminent scholars including Aryabhata, Panini, Vatsyayan, Chanakya and Kalidasa.

The modern city of Patna is situated on the southern bank of river Ganga. The city also straddles the river Son, Gandak and Punpun. The city is approximately 35 km in length and 16-18 km in width. The Buddhist, Hindu and Jain pilgrimage centres of Vaishali, Rajgir, Bodh-Gaya and Pawapuri are nearby. Patna city is sacred city of Sikhs as birth place of 10<sup>th</sup> sikh guru Guru Govind Singh. Patna museum, Jalan museum, Kumhrar, Golghar, Takht Harmandir Saheb temple, Saif khans mosque, Khuda Bakhsh Oriental library, Sadakat ashram, Indira Gandhi planetarium, Bihar museum, Sabhyata dwar. Besides martyr's memorial, Lakshmi Narayan mandir, Pashim darwaza, Sahi masjid and Gandhi maidan are the places of historical importance. The city of Patna has well connected road, rail and air from every part of the country.

### **About Collaborators**

Madhavi Shyam Educational Trust (MSET), established on 30<sup>th</sup> Nov 2005 under trust registration at Ranchi, Jharkhand, is a non-profit scientific and academic body.

ICCB is a high profile academic and research forum which was created in 2008, basically catering the need of poor children by producing scholarships and other financial help apart from organising international conferences.

Patna Science College is prestigious institution of eastern India. The college has been progressing at the exponential rate since its inception in 1927.

The ISCA Patna chapter was established on 8<sup>th</sup> Feb 2016 to promote scientific activities in the state of Bihar under the aegis of Indian Science Congress, Kolkata.

### **Major thrust areas of ICEBRUD-2020**

1. Basic and strategic researches in Animal, Veterinary and Fisheries Sciences (AVFS) including applied zoology and aquaculture
2. Basic and strategic researches in Plant Sciences (PS)
3. Environment and Climate Change (ECC)
4. Biodiversity conservation and bioresource management (BCBM)
5. Modern Biology (MB) including Biochemistry, Biophysics, Biostatistics, Biotechnology, Bioinformatics, Atomic Biology, Nanotechnology, Genomics, and Proteomics
6. Toxicology and Amelioration strategies (TAS)
7. Health and Biomedical Research (HBR) including immunology, stem cell biology, cancer biology, drug delivery and perspective of Indian traditional medicines.
8. Bioethics and Intellectual Property Rights (BIPR)

### **Important Dates**

Submission of registration form and abstract	16 <sup>th</sup> March 2020
Acceptance notification	19 <sup>th</sup> March 2020
Last date of full length paper submission	25 <sup>th</sup> March 2020

### **Registration Details**

Interested participants may submit online registration form on the website ([www.icebrud.in](http://www.icebrud.in)) or as hard copy attached with the brochure. Same should be sent to the organising secretariat (hard copy) and on the conference official email ID: [zoologypu@icebrud.in](mailto:zoologypu@icebrud.in) (soft copy). The registered delegates would be entitled for the conference materials and hospitality while the accompanying person will get the hospitality only.

Registration Fees	Early registration	On spot registration
A) Foreign Delegates		
<ul style="list-style-type: none"> <li>• Faculty members/ scientists</li> <li>• Accompanying person</li> </ul>	200 USD 100 USD	250 USD 150 USD
B) Indian Delegates		
<ul style="list-style-type: none"> <li>• Faculty members/ Scientists</li> <li>• Research Scholar, Post-doctoral fellows (PDF) and MS/MD</li> <li>• Industry/Govt. Sponsored delegates</li> <li>• Students</li> <li>• Accompanying person</li> </ul>	2500 INR 2000 INR 5000 INR 1000 INR 1000 INR	3000 INR 2500 INR 6000 INR 1500 INR 1500 INR

### **Call for Papers**

Research papers pertaining to any of the above mentioned focal themes are invited from scientists, researchers, academicians, and students.

### **Abstract Submission**

Abstract should not be more than 300 words with Title, Author (s) name, Affiliation, Address for correspondence in MS word format, Times New Roman, Font size 12 and in line spacing of 1.5. The name of the presenting author should be bold and underlined. The soft copy of the abstract should be submitted on the conference official email ID, latest by 16<sup>th</sup> March 2020.

The selected abstract after proper screening will be allowed to be presented in the conference as oral/poster (size: 1m X 1m) presentation.

### **Full length paper submission**

The authors are invited to submit full length papers, as per international standard,, of the accepted abstract latest by 25<sup>th</sup> March 2020, on the conference official email ID. The manuscript submitted will be processed for anti-plagiarism check and peer review, if found proper, it will be published in the proceedings of the conference as special issue of Biospectra (ISSN No: 0973-7057). Introduction to the authors and guidelines for the submission of full length paper can be downloaded from the Website ([www.mset-biospectra.org](http://www.mset-biospectra.org)).

### **Best Oral/Poster presentation Award**

There will be one best oral presentation award in each plenary session. There will be separate award for the best poster presentation during the conference.

### **Mode of Payment**

All participants are required to register for the conference by paying the registration fees either through Demand Draft/Multicity cheque/RTGS/NEFT or Cash (on spot).

Beneficiary Name: INTERNATIONAL CONFERENCE ICEBRUD 2020

Bank Name: Allahabad Bank

Account No.: 50512089099

IFSC Code: ALLA0210002

MICR Code: 800010003

The certificate of participation/presentation will be provided only after the production of proof of payment slip.

### **Travel**

Delegates are required to arrange their travel expenses from their own resources. The TA will be paid to invited speakers and selected distinguished guest only.



## **Accommodations**

Limited number of accommodations will be available in the university and nearby guest houses at reasonable rates. A good number of hotels are available near the conference venue which can be booked with advance payment. The details of the hotels and tariffs will be displayed on the website ([www.icebrud.in](http://www.icebrud.in)).

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