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University Dept. of Botany, LNMU, Darbhanga.
- Org. Secretary : **Dr. Ankit K. Singh**
University Dept. of Botany, LNMU, Darbhanga.

Joint Org. Secretary cum Treasurer :
Dr. Khwaja Salahuddin
University Dept. of Botany, LNMU, Darbhanga.

Distinguished Guest:

Chief Guest : **Dr. Jata Shankar Choudhary**
Divisional Commissioner (Retd.), Palamu.

Guest of Honour: **Prof. A.K Roy**
Ex-Hon'ble Vice Chancellor, BNMU and TMBU

Key Note Speaker: **Prof. N.K Dubey**
Senior Professor (Retd.)
Ex HOD, Department of Botany BHU, Varanasi

Advisory Committee :

- ▶ **Prof. B.N. Verma**, Univ. Professor (Retd.), Dept. of Botany B.R.A.Bihar University, Muzaffarpur
- ▶ **Prof. Sameer Kumar Verma**, VC, Sandip University, Madhubani
- ▶ **Prof. N.K. Sah**, Former VC, VKS University, Ara
- ▶ **Prof. K.K Sinha**, Professor (Retd.), TMBU, Bhagalpur
- ▶ **Prof. Vinoy K. Srivastava**, Former Dean & HOD, Dept of Biosciences, B.U., Bhopal
- ▶ **Prof. Jayshankar Prasad**, Former Head, University Dept. of Botany, LNMU
- ▶ **Prof. Jaikar Jha**, Former HOD, LNMU, Darbhanga
- ▶ **Prof. Indra Nath Mishra**, Former Head, University Dept. of Botany, LNMU
- ▶ **Prof. Sheela**, Former Head, University Dept. of Botany, LNMU
- ▶ **Prof. A.N. Kargupta**, Retd. Professor, University Dept. of Botany, LNMU
- ▶ **Prof. H.K Chaurasia**, Prof. and Head, TMBU, Bhagalpur
- ▶ **Prof. S. N. Choudhary**, Retd. Professor, University Dept. of Botany, LNMU
- ▶ **Prof. Vidyanath Jha**, Retd. Principal, MLSM College, Darbhanga
- ▶ **Prof. Murari Prasad**, Former Professor, IIT, BHU, Varanasi & Former Sr. Scientist, CSIR

- ▶ **Prof. A.N. Jha**, Head, University Dept. of Zoology, LNMU, Darbhanga
- ▶ **Prof. Nausad Alam**, Head, University Dept. of Physics, LNMU, Darbhanga
- ▶ **Prof. Abhay Kumar**, Former HOD, Univ. Dept. of Botany, LNMU, Darbhanga
- ▶ **Prof. K.K. Sahu**, Retd. Professor, University Dept. of Botany, LNMU
- ▶ **Prof. Hirakant Jha**, Former Principal, Marwari College, Darbhanga
- ▶ **Prof. Prem Kr. Prasad**, Former Principal, C.M.Sc. College, Darbhanga
- ▶ **Prof. R.N. Jha**, Retd. Professor, Univ. Dept. of Botany, LNMU
- ▶ **Prof. Sandhya Jha**, Professor (Retd.) C.M.Sc. College, Darbhanga
- ▶ **Prof. Shahnaz Jamil**, Former HOD, Univ. Dept. of Botany, LNMU
- ▶ **Dr. Sunila Das**, Associate Professor (Retd.), C.M.Sc. College, Darbhanga
- ▶ **Dr. Anand Mohan Mishra**, Associate Professor (Retd.), Univ. Dept. of Botany, LNMU, Darbhanga

Executive Member :

- ▶ **Dr. Dilip Kumar Jha**, Dept. of Botany, C.M. Science College, Darbhanga
- ▶ **Dr. Mustafa Kamal Ansari**, Dept. of Botany, Millat College, Darbhanga
- ▶ **Dr. Amar Kumar**, Dept. of Botany, JMDPL. College, Darbhanga
- ▶ **Dr. Arindam Kumar**, Dept. of Botany, JMDPL. College, Darbhanga
- ▶ **Dr. S.C. Verma**, Dept. of Botany, G.D. College, Begusarai
- ▶ **Mrs. Amita Kumari Mishra**, Dept. of Botany, MLSM. College, Darbhanga
- ▶ **Mr. Nand Kishore Jha**, Dept. of Botany, MLSM. College, Darbhanga
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- ▶ **Dr. Vijay Kumar**, Dept. of Botany, K.S. College, Darbhanga
- ▶ **Mr. Chandra Shekhar Singh**, Dept. of Botany, R.N.A.R. College, Samastipur

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International Conference

December 03-04, 2024

Recent Advances in Life Sciences :
Challenges and Opportunities



Organized by
University Department of Botany
L.N. Mithila University, Darbhanga

About the Lalit Narayan Mithila University, Darbhanga :

The L.N.M.U., Kameshwar Nagar, Darbhanga formerly known as Mithila University came into existence in the year 1972. It was a long cherished dream of the people of Mithila region which was fulfilled after the UGC team visited Darbhanga in the year 1968 to explore the possibility of establishing a multi-faculty University. Initially it started functioning from Mohanpur House at Sara Mohanpur Village on the Darbhanga-Sakri route. In 1975, it was shifted to the beautiful palatial Head Office building of Darbhanga Maharaj in Raj Darbhanga campus.

It was renamed as Lalit Narayan Mithila University after the sad demise of a very popular leader of Mithila region, Pt. Lalit Narayan Mishra in January, 1975 who was instrumental in establishment of this University.

This University covers almost four districts of North Bihar comprising 42 constituent colleges, 27 affiliated degree colleges, 3 Dental colleges, 18 B.Ed. colleges, one of the best Womens' Institute of Technology in North India besides self financing institutions like Directorate of Distance Education, School of Management of Business Administration, Institute of Gerontology and Geriatrics, etc.

About the University Department of Botany

The University Department of Botany was established in the year 1974 with the teaching work initially starting in C.M. Science College, Darbhanga. It was later shifted to a new independent building in the year 1976. Since 1985, the Department is functioning permanently in the new building constructed out of the grant received from the State government. The Department of Botany is running M.Sc. (2 Yrs) course along with Ph.D. programme. There are two broad specialization streams in the M.Sc. course offered viz. Applied Microbiology & Plant Pathology and Cytogenetics & Plant Breeding.

The faculties of the Department have been contributing to the scientific world by R & D activities and research publications. Fourteen (14) major Research Projects have been successfully conducted so far by the faculties. Two International Conferences and many National Seminars have been organized earlier.

The Department was offering initially M.Sc. courses leading to Post Graduate degree in Botany. Later Ph.D. programme was introduced in 1976.

The Department has provided uninterrupted services of dedicated teaching and research work since its inception.

About the Conference

The world has witnessed extraordinary advances in Science and Technology over the last few decades. Life Science is one such area of growth in an umbrella term covering a broad spectrum (Molecular Biology and Genetics, Cell biology, Biochemistry, Microbiology, Botany, Zoology, Ecology, Evolution Biology, Physiology, Neuroscience, Immunology, Marine Biology, Biotechnology and Bioinformatics) of scientific applications used in many important areas such as human health, environment and agriculture.

Advancements in Cell biology have paved the way for breakthroughs in regenerative medicine and our understanding of diseases at the cellular level. Recent advancements in Microbiology, such as the study of the human microbiome, have revolutionized our understanding of health and disease. Ecological perturbations caused by biotic invasion have been identified as a growing threat to global sustainability. The study of Invasive Alien Plants Species (IAPS) is crucial for addressing global challenges such as food security, mitigation of human health implications, biodiversity conservation and pharmaceutical research to derive many medicines from plants. Recent advancements in biotechnology, such as CRISPR gene editing and synthetic biology, have opened up new possibilities for treating diseases, improving crop yields, and addressing environmental challenges.

The Conference on Recent Advances in Life Sciences envisages to address the core issues which would unravel and supplement strategies for an integrated inter-disciplinary research work because current research in Life Sciences are more inclined towards inter-disciplinary studies. The main aim of the seminar is to discuss the recent advances in Life Sciences, analyze and prepare for emerging challenges and to explore the future responsibilities and developments in redesigning the forthcoming Life Sciences research. The objective of the two-day **International Conference on "Recent Advances in Life Sciences : Challenges and Opportunities"** is to provide a vital opportunity and dynamic platform for academicians, experts, researchers and professionals to share their knowledge, ideas, experiences and innovations in the field of Life Sciences particularly in human health, environment and agriculture. The conference aims to facilitate collaboration, exchange of ideas, dissemination of knowledge among stakeholders including scientists, policymakers and healthcare professionals.

Call for Research Papers :

We invite original research papers and review articles covering following sub themes for selective presentation in different sessions of the two day International Conference.

Salient sub themes of the Conference :

- Plant and Agricultural Biotechnology
- Environmental Sciences
- Impact of invasive Alien Plant Species (IAPS) on human health, biodiversity and global sustainability
- Nanotechnology
- Mycotoxicology
- Genetics and genetically modified organisms
- Pharmaceutical Biotechnology
- Structural biology and Bioinformatics
- Industrial Microbiology
- Algal Biotechnology
- Stem cell and Regenerative medicine
- Food Science and Nutrition
- Smart and Sustainable devices for healthcare

Registration Details

Registration fee:

Students: 500

Research Scholars: 1500

Teachers: 2000

Industry Persons: 2500

Registration link : <https://forms.gle/G1ipbwaPTxxmFLgBA>

Important dates to remember:

Registration Start date : 01.10.2024 onwards

Spot Registration : 29 November 2024

Mode of payment : NEFT/UPI/Bank Transfer

Bank account : Central Bank of India

Account Name : International Conference Botany

Account No. : 5676268599

IFSC : CBIN0281302

Abstract Submission:

Start Date: 01.10.2024

End Date: 18.11.2024

Abstract should be sent on email id:

Abstract should be data oriented reflecting the major findings of the papers not exceeding 250 words. Abstract must be submitted on or before the due date. Selected participants shall be allotted slots for Oral/Poster slots. No abstract should be accepted without paid registration.

Abstract should be sent on email id:

conferencebotanylnmu2024@gmail.com

Note: The final decision of allotment of Oral/Poster slots remains upon the discretion of the organizing committee and no candidate can have any claim over it.

Awards: Best Poster Presentation award

Best Oral Poster Presentation award