



International Conference on Strategies, Opportunities and Challenges in

Bioscience Research & Entrepreneurship (ICSOCBRE-2024)

4th & 5th April 2024
(Online Mode)

Organized by

Department of Biotechnology
Patna Women's College (Autonomous),
Patna University, Bihar, India



Patron
Dr. Sister M Rashmi A. C.
Principal
Patna Women's College
(Autonomous)



Convener
Dr. Arti Kumari
HOD
Department of Biotechnology
Patna Women's College
(Autonomous)



Organizing Secretary
Dr. Alok Ranjan
Assist. Professor
Department of Biotechnology
Patna Women's College
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Jt. Organizing Secretary
Dr. Vivek Raj
Assist. Professor
Department of Biotechnology
Patna Women's College
(Autonomous)



Treasurer
Dr. Premlata Kumari
Assist. Professor
Department of Biotechnology
Patna Women's College
(Autonomous)

Professional Speakers



Dr. Abhinav Dey
Principal Scientist
MicroCures Inc.: Bronx, NY, US



Dr. Sundram Seshadri
Coordinator, Technology Business
Incubator, Sathyabama Institute of Science
and Technology, Chennai, India



Dr. Farzana Liakath Ali
Staff Scientist Oncotherapeutics
Development Section of
Hematology/Oncology, University of
Chicago



Prof. (Dr) Vahab Ali
Scientist F, RMRIMS-ICMR,
Agamkuan, Patna, Bihar

Registration Link:

<https://forms.gle/Wf79rAMAvuvtmCVV6>

Platform :  **Zoom**

Important Dates

Submission of Abstracts begins: 23 Feb 2024
Last Date for abstract submission: 15th March 2024
Last date of submission of full paper: 20th March 2024

Themes

- Agriculture & Plant Sciences
- Environmental Biotechnology
- Infectious Biology & Therapeutics
- Recent Advances in Lifescience Research
- Bioinformatics and AI: Revolutionizing Biostatistics and Life Sciences

Sub Themes

- Microbiology & Microbiome Research
- Plant Science & Natural Products
- Genomics, Transcriptomics & Proteomics
- Plant Physiology & Plant Tissue Culture
- Biotic & Abiotic Stress
- Bioremediation and Metal Toxicity
- Vector Borne Diseases and Control
- Bioenergy & Biofuel
- AI Applications in Drug Discovery and Precision Medicine

Ø Last date of registration: 20th March, 2024
Ø Registration is mandatory for all the participants; Only registered participants will be provided e-certificates

Contact Details
e-mail: pwcbiotechnology803@gmail.com
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About The College

Patna Women's College, established in 1940, was Bihar's first women's college. It was founded by Bishop B.J. Sullivan S.J., the Bishop of Patna, and Mother M. Josephine A.C., the Superior General of the Apostolic Carmel. The college not only focuses on academic education but also offers opportunities for students to explore creative arts, engage in social service, enhance environmental awareness, develop leadership skills, and build value-based personalities. With three cycles of accreditation by the National Assessment and Accreditation Council (NAAC), the college has consistently earned an 'A' grade. In 2015, it achieved a Cumulative Grade Point Average (CGPA) of 3.58 out of 4, establishing itself as one of India's top-performing institutions according to NAAC. It holds the 'College with Potential for Excellence (CPE)' status conferred by the UGC. In January 2018, the UGC granted Patna Women's College Autonomous status. The college was awarded the Chancellor's Award 2019-20 as "Best Lady College", while our principal, Dr. Sister M. Rashmi AC, received the "Best Principal" award.

Department of Biotechnology

The Department of Biotechnology at Patna Women's College (Autonomous) was founded in 2022 as part of the Faculty of Science to offer high-quality education in the biotechnology field and cultivate skilled biotechnology professionals. Offering a two-year M.Sc. Programme in Biotechnology, the department is dedicated to provide comprehensive education through innovative teaching methods, extracurricular activities, seminars, and workshops. Boasting experienced and well-qualified faculty members, the department's strength lies in its well-equipped lab with advanced instrumentation for research in Molecular Biology, Plant Biotechnology, Computational Biology, Environmental Biotechnology, and Nanobiotechnology. By providing hands-on training, guest lectures, workshops, and seminars on cutting-edge biotechnological research, the department nurtures scientific aptitude and skills in its students. Additionally, the Department of Biotechnology organizes industrial visits and educational tours to provide students with broad exposure opportunities.

Advisory Committee

Dr Sister M. Tanisha A.C.

Vice Principal, Patna Women's College
(Autonomous), Patna, Bihar

Dr Amrita Chowdhury

HOD, Department of Geography, Co-Ordinator,
IQAC, Patna Women's College (Autonomous)

Dr Shobha Shrivastava

HOD, Department of Zoology, Patna Women's
College (Autonomous), Patna, Bihar

Dr Aprajita Krishna

Dean, Faculty of Science, Patna Women's College
(Autonomous), Patna, Bihar

Dr Bhawna Sinha

Research Coordinator, Patna Women's College
(Autonomous), Patna, Bihar

Dr Pushpa Kumari

Deputy Manager, Operations, Research and
Analytics, WNS Global Services (P) Ltd.

Prof Rimjhim Sheel

Principal, Ganga Devi Mahila Mahavidyalya, Patliputra
University, Patna, Bihar

Prof Birendra Prasad

Director IQAC, Patna University, Professor, Department
of Botany, Patna University, Patna, Bihar

Prof Rizwanul Haque

Professor & Former Head, Department of
Biotechnology, School of Earth, Biological and
Environmental Science, Central University of South
Bihar, Gaya

Dr Meenakshi Tiwari

Additional Professor, Department of Biochemistry, All
India Institute of Medical Science, Patna, Bihar

Dr Zeenat Mirza

Associate Professor, King Fahd Medical Research Center
King Abdulaziz University, Jeddah, Saudi Arabia

Dr Nandana Bhardwaj

Senior Research Scientist and Faculty
Indian Institute of Information Technology (IIT)
Guwahati

Conference Highlights

The international conference on "Strategies, Opportunities, and Challenges in Bioscience Research and Entrepreneurship" will be a pivotal event that brings together professionals, researchers, entrepreneurs, and policymakers from across the bioscience spectrum. This conference will serve as a platform for exchanging knowledge, sharing insights, and fostering collaboration within the rapidly evolving field of bioscience.

Bioscience research encompasses a wide range of disciplines including Biotechnology, Bioinformatics, Life Sciences, Agricultural Biotechnology, Environmental Biotechnology, Infectious Biology and Therapeutics etc. Therefore, the conference covers a broad spectrum of topics ranging from basic research findings to innovative technologies and their commercialization.

Conference Objective

The International Conference on "Strategies, Opportunities, and Challenges in Bioscience Research and Entrepreneurship" aims to bring together experts to explore emerging opportunities and tackle challenges in translating bioscience research into successful entrepreneurial ventures. Discussions cover diverse topics including technology innovations, regulatory hurdles, funding strategies, and fostering an entrepreneurial mindset. The conference provides a platform for researchers and entrepreneurs to explore these opportunities and brainstorm ideas for potential collaborations and partnerships. Through collaboration and knowledge exchange, the conference aims to drive forward advancements in bioscience for the benefit of society. The conference features keynote/invited lectures by experts, and technical paper presentations by academicians, research scholars/UG/PG students.

Call for Posters/Papers

Abstracts of original and unpublished work are invited for presentation of papers and posters at the International Conference based on research in the above-mentioned themes & and sub-themes from academicians, research scholars, and students. Abstracts, not exceeding 250 words should be submitted by mail to **pwcbiotechnology803@gmail.com** on or before 15th March 2024.

Registration Details

Online Payment / NEFT transfer

Bank Account Holder name: PRINCIPAL PWC

Account No: 85970100002319

Bank Name: Bank of Baroda

IFSC Code: BARB0VJPAWC [Fifth Character is Zero]

MICR Code: 800012048

Registration Fee Details :

Paper/Poster Presentation

- Faculty from Univ/ Educational Institutions : 600/- INR
- Research Scholars : 400/- INR
- Students : 200/- INR
- Foreign delegates : \$ 10

Only Participation

: 100/- INR

Participation Guidelines

- Authors and co-authors must register individually post-abstract acceptance, paying the required fees. Registration link - **<https://forms.gle/Wf79rAMAvvvtmCVV6>**
- Registration is mandatory for participation; only registered attendees can join the conference.
- Full-length paper submission is obligatory for presentation and certificate issuance.
- No alterations to papers or authorship are permitted post-acceptance.
- Submission deadlines for abstracts and full papers are final.
- Organizers reserve the right to disqualify non-compliant submissions.

Paper Submission Guidelines

1. Manuscript length: 3000-4000 words, excluding tables, graphs, and charts.
2. First page: Title, author(s) name, organizational affiliation, contact details. Do not include author details elsewhere.
3. Second page: Abstract (250 words) and keywords. The principal author should be marked with an asterisk (*) and the author who would be presenting the paper should be underlined. Abstract and full-length paper is accepted in MS WORD format, Times New Roman font with size 12 pt. and line spacing 1.5, via email.
4. Tables, charts, and graphs: Prepared on separate sheets, numbered in Arabic numerals, with sources noted at the bottom.
5. References: Alphabetical order, following APA Guidelines.
6. Track designation: Specify under which track the paper should be included.
7. Send abstract and full-length paper to [**pwcbiotechnology803@gmail.com**](mailto:pwcbiotechnology803@gmail.com).
8. **Paper Submission Deadline: March 20, 2024**

Poster Preparation and Presentation Guidelines

1. Format: Only Electronic Posters (E-Posters) in PDF format are accepted. Printed posters or photos are not allowed.
2. Abstract: 250 words.
3. **Poster Submission Deadline: March 20, 2024.**
4. The poster must have the same title as the submitted abstract.
5. Include information at the top [Title of the Paper, Author(s) Name(s), and Affiliation(s)].
6. Language: Text and presentation in English only.
7. Content: Organized sections (Introduction, Methods, Results, Conclusions etc.).



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