



INTERNATIONAL CONFERENCE ON "BRIDGING DISCIPLINES FOR RESILIENCE AND SUSTAINABILITY : A PATHWAY TO VIKSIT BHARAT"

(In Blended Mode)

15th and 16th December, 2025

Organized by

Department of Botany

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

4th Cycle NAAC Accredited at 'A++' Grade

In collaboration with

The Indian Science Congress Association, Patna Chapter



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Patna Women's College
(Autonomous)
Patna University, Patna

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Co-Convener
Dr. Urvashi Sinha

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Dr. Piyush Kumar Rai

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Dr. Anjana Verma

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Dr. Hena Naz



Eminent Speakers



Prof. Madhusudan Choudhary
Sam Houston State University, Texas, USA



Dr. Sunil Kumar
University of California, USA



Dr. Vivek Priy Dave
Scientist & Business Unit Leader Molecular
Unisensor, SA, Belgium



Dr. Abhimanyu Thakur
Harvard Medical School, Boston, MA, USA



Prof. (Dr.) Kumud Bala
Department of Biotechnology,
Amity University, Noida, UP, India



Dr. Neeraj Shukla
Department of Physics, NIT, Patna, Bihar, India



Dr. Moitri Sen
Department of Mathematics, NIT Patna, Bihar, India

Registration Link:

<https://forms.gle/kAsNGYxdTgTSAcgM6>



CONFERENCE BACKGROUND AND THEME

To achieve "Viksit Bharat" (Developed India), the education system needs to prioritize interdisciplinary learning, promoting innovation and equipping students and teachers with the skills and knowledge needed for resilience and sustainability. This involves integrating various disciplines like science and technology, social science, research and global partnerships, as well as focusing on life skills like teamwork alongside academic knowledge. Higher education institutions should build global partnerships to share knowledge, research and best practices. Interdisciplinary Learning is the need of the hour. Breaking down traditional subject boundaries, education should move beyond specific disciplines to encourage students to explore connections between different areas of knowledge. Learning should be rooted in addressing real-world challenges, like climate change, sustainable development and economic inequality, which require interdisciplinary approaches combining life science, physical science, chemical science, engineering and social sciences to develop solutions for sustainable energy for a resilient environment in India. The aim of bridging disciplines in higher education is to foster holistic development, equip students with the skills and knowledge necessary to address complex global challenges and promote innovative solutions for a developed India by 2047.

THE THEMES TO BE DELIBERATED DURING THIS CONFERENCE INCLUDE

- Climate change, environmental management
- Molecular and biotechnological approaches
- Microbial biology
- Smart agriculture
- Plant responses to abiotic and biotic stresses
- Green and Herbal Chemistry
- Mathematical Modelling in Biology
- Nanotechnology and Its Applications
- Artificial Intelligence in Drug Discovery
- Cybersecurity and Data Privacy in Genomic Research
- Remote sensing and ecological modelling
- Commercialization of Research and Innovation

The **multidisciplinary conference** aims to create a platform for leading academicians, scholars and researchers around the globe to share their knowledge to discuss current development in their respective research fields and share their findings in the areas mentioned. The discussions are expected to help consolidate global expertise and knowledge, which will be an opportunity for eminent scholars to extend their scientific collaborations in the future. The amalgamation of conventional and modern avenues of the themes will attract people to work together in diverse fields. It will enable the participants to explore the possible avenues of scientific activities with national and global perspectives. This conference aspires to contribute to the continuous improvement and evolution of Educational Research and Practices.



VENUE

The venue of the conference will be “Carmel Hall”, Patna Women's College (Autonomous), Patna University, Patna, 800001, Bihar, India.

PATNA WOMEN'S COLLEGE (AUTONOMOUS), PATNA

Patna Women's College (Autonomous) is a constituent unit of Patna University. It is the first institution of higher learning opened to cater to the educational needs of women in Bihar. Bishop B.J. Sullivan S.J., Bishop of Patna (Founder) and Mother M. Josephine A.C. Superior General of the Apostolic Carmel named it Patna Women's College and presented it as a gift to the Women of Bihar in 1940, thereby placing at their disposal an opportunity for higher education. The College is run by the Catholic Religious Sisters of the Apostolic Carmel, an indigenous educational body founded in 1870.

Thousands of motivated and empowered women have passed through the portals of this college and have entered various fields of life, many making a mark in our country and abroad.

In the year 2024, the College has been re-accredited with the highest-grade **A++** by NAAC in the fourth Cycle of accreditation. The College whose hallmark has always been Quality and Excellence, has been accredited by NAAC with 'A' grade for three consecutive cycles with CGPA 3.51/4 in 2010 and CGPA 3.58/4 in 2015. The college also has been accorded as 'College with Potential for Excellence (CPE)' status from UGC in three phases in 2004, 2010 and 2015. The University Grants Commission (UGC) has conferred Autonomous status to Patna Women's College in January, 2018 which was further notified by the Parent University (Patna University) in July, 2018.

The college provides holistic education through UGC approved 30 undergraduate degree programmes in all the major streams of Humanities, Sciences, Commerce & Management, Education, 12 Post Graduate degree programmes and 4 Post Graduate Diploma programmes. Equipped with modern amenities, the college provides a conducive environment for learning and growth. It has been rated by NAAC as one of the highest performing institutions in India. The college secured **1st rank in Arts** and **3rd rank in Science** in the Eastern Zone in the India Today **MDRA Best College of India Survey 2022**. The college has been positioned in **Rank Band 101-150 in NIRF 2024**.

DEPARTMENT OF BOTANY

Established in the year 1948, the department offers B.Sc. Honours in Botany, 4 Year Degree Course as per NEP 2020. It also offers Add-On Course, Certificate and Diploma in Horticulture and Landscape Gardening. Botany Honours is a conventional course of wide application in existing and emergent technologies and offers immense job opportunities for the qualified graduates in the allied fields of agriculture, forestry, environment and pharmaceuticals.

The curriculum is based on an upgraded syllabus designed to provide besides classroom and laboratory instructions, computer literacy, communication skills and research aptitude. Since its inception, the department has maintained a very high profile in the country's teaching and research in plant sciences.

CONFERENCE PARTICIPATION AND ABSTRACT SUBMISSION

Conference is open to all involved in research and development, faculty, research scholars, students etc. in the areas of conference themes. Interested participants are invited to contribute their research work for oral presentation with an indication about the theme in which it should be considered. The abstract (**about 250 words**) should be prepared using **MS-Word Times New Roman font with size 12 pt., line spacing 1.5** and sent to the Organizing Secretary at the email address **icbdrs2025@gmail.com** as file attachment on or before **31st October, 2025**. The name of presenting author should be asterisked.

Full length paper : 3000-4000 words, excluding tables, graphs, and charts.

First page : Title, author(s) name, organizational affiliation, contact details. Do not include author details elsewhere.

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 will be accepted in **MS-Word** format, **Times New Roman font with size 12 pt., and line spacing 1.5, via email.**

Tables, charts, and graphs should be numbered in Arabic numerals, with sources noted at the bottom.

Track designation : Specify under which theme the paper should be included.

Send abstract and full-length paper to- icbdrs2025@gmail.com

Last date for submission of abstract : **31.10. 2025.**

Notification for acceptance of abstract : **10.11.2025**

Submission of full paper : **20.11.2025**

LANGUAGE

English will be the official language of the conference.

SOUVENIR

The abstracts of the conference will be published in the form of a souvenir.

FULL LENGTH MANUSCRIPT PUBLICATION

Selected full length paper will be published in a Book with ISBN No.



REGISTRATION FEE

Category	Registration till 31.10.2025	Registration After 31.10.2025
Scientists, Academicians and Faculty	Rs. 1500/-	Rs. 1800/-
Research scholars	Rs. 700/-	Rs. 800/-
Students	Rs. 300/-	Rs. 500/-
Foreign Delegates	17 USD	20 USD

THE REGISTRATION FEE FOR THE PARTICIPANTS COVERS

Conference Kit, Compendium of Abstracts, Admission to Inaugural, Concluding and all the Technical Sessions, Morning and Afternoon Coffee / Tea and Lunch.

MODE OF PAYMENT: Demand Draft/ RTGS / NEFT / UPI

All delegates should pay registration fee in favor of **PRINCIPAL_PWC** payable at **BANK OF BARODA** Branch, Patna Women's College Branch, Bailey Road, Patna

ACCOUNT DETAILS

AccountName : PRINCIPAL_PWC
 AccountNumber : 85970200000018
 IFSCCode : BARB0VJPAWC (The fifth character is a zero)
 Bank : BANK OF BARODA
 Branch : Patna Women's College Branch
 Bailey Road, Patna, Bihar, India

ACCOMMODATION

No accommodation will be provided. Participants who require hotel room for their stay will have to book on their own. No TA/DA shall be paid to participants.

ORGANIZING COMMITTEE



Convener

Dr. Pinky Prasad

Head, Department of Botany
Patna Women's College (Autonomous)
Patna University, Patna



Co-Convener

Dr. Urvashi Sinha

Assistant Professor, Department of Botany
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Patna University, Patna



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Assistant Professor, Department of Botany,
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Assistant Professor, Department of Botany
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Patna University, Patna

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- Dr. Ruben Casanova Saez, Research Engineer Umea Plant Science Centre, Sweden.
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- Dr. Md. Nasiruzzaman, Faculty of Science, University of Tabuk, Saudi Arabia.

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- Dr. Shobha Srivastava, Dean & Head Department of Zoology, Patna Women's College, Patna, Bihar.
- Prof. Shiela Bedi, Former Head, Department of Botany, Patna Women's College, Patna, Bihar.
- Dr. Bijendra Saran, Retired Professor of Botany, Pataliputra University, Patna, Bihar.
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- Prof. (Dr.) Birendra Prasad, Head, Department of Botany, Patna University, Patna, Bihar.
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- Dr. Subodh Kumar Sinha, Principal scientist, ICAR – NIPB,
- Dr. Rimjhim Sheel, Principal, Ganga Devi College, Pataliputra University, Patna, Bihar.
- Dr. Choudhary Sharfuddin, Head, Department of Botany, Patna Science College, Patna University, Patna, Bihar.
- Dr. Aprajita Krishna, Department of Physics, Patna Women's College, Former Registrar, Babasaheb Bhimrao, Ambedkar University, Muzaffarpur, Bihar.
- Dr. Rakesh Singh, Head, Nano Technology Centre and Former Registrar, Aryabhata Knowledge University, Patna.
- Dr. Vivek Kumar Singh, Department of Physics, Lucknow University, Uttar Pradesh.

ABOUT PATNA

Patna historically known as Pataliputra, is the capital and largest city of the state of Bihar in India. Covering 250 square kilometres (97 sq. mt) and over 2.5 million people, its urban agglomeration is the 18th largest in India. One of the oldest continuously inhabited places in the world. Patna was founded in 490 BCE by the king of Magadha. Ancient Patna, known as Pataliputra, was the capital of the Magadha Empire throughout the Haryanka, Nanda, Mauryan, Shunga, Gupta, and Pala dynasties. Pataliputra was a seat of learning and fine arts. It was home to many astronomers and scholars including Aryabhata, Vātsyāyana and Chanakya. The Buddhist, Hindu and Jain pilgrimage centres of Vaishali, Rajgir, Nalanda, Bodh Gaya and Pawapuri are nearby and Patna City is a sacred city for Sikhs as the tenth Sikh Guru, Guru Gobind Singh was born here. The modern city of Patna is mainly on the southern bank of the river Ganges. The city also straddles the rivers Son, Gandak and Punpun. The city is approximately 35 kilometres (22 m) in length and 16 to 18 kilometres (9.9 to 11.2 m) wide.

Patna has a humid subtropical climate with sweltering summers from late March to June, the monsoon season from late June to late September and chilly winter nights and foggy or sunny days from November to February.

HOW TO REACH

Road Routes : Patna is well-connected by roads to major cities in India. National Highway 30 (NH30) and NH31 pass through the city.

Air Connectivity : Nearest Airport in Patna called Lok Nayak Jayaprakash Airport (PAT) which is 05 km away from Patna Women's College. This city is also well connected to major cities like Delhi, Mumbai, Kolkata, Bangalore, Chennai, Hyderabad, and others through air routes.

Rail Connectivity: The nearest railway stations are Patna Junction (PNBE). The city is well-connected with major cities like New Delhi, Mumbai, Kolkata, Chennai, Gwalior, Meerut, Indore, Guwahati, Prayagraj, Lucknow, Dehradun, etc. across the country and the other district of Bihar. The Patna Junction (PNBE) is at 3 km distances from the Patna Women's college, Patna.

IMPORTANT DATES

Registration	Starting Date: 20.05.2025
	Last date: October, 31, 2025
Abstract submission	Last date: October, 31, 2025
Acceptance of abstract	Last date: November, 10, 2025
Manuscript submission	Last date: November, 20, 2025
Conference	December 15 and 16, 2025

FOR FURTHER DETAILS

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