

National Conference on Innovative and Modern Technologies for Environmental Management

In Hybrid Mode (Online & Offline Mode)

March, 7-8 2025



Organized by

“Department of Environmental Biology

**Awadhesh Pratap Singh University, Rewa
(Madhya Pradesh) India, 486003**

conferencedeb@gmail.com

In Association with

Mahakoshal Vigyan Parishad

Zoological Survey of India Kolkata (ZSI), Bhopal Chapter,

The National Academy of Sciences, India (NASI),

The Society of Life Sciences (SLS),

M.P. Pollution Control Board, Rewa

&

The Society of Environmental Biology

About A.P.S. University, Rewa

Our university was established on 20th July 1968 as a state university of Madhya Pradesh. The University has been named after a distinguished son of the soil and a freedom fighter Capt. Awadhesh Pratap Singh, a national leader and the first prime minister of Vindhya Pradesh. The University was recognized by the UGC in February 1972. The University is a member of the association of Indian Universities (AIU) and all common wealth Association of Universities (ACAU). The university has 16 teaching departments and offers 49 conventional and professional programmes on self-supporting basis apart from the regular postgraduate programmes.

About Zoological Survey of India (ZSI)

The ZSI is a 108-year-old research organisation functioning under the Ministry of Environment, Forest & Climate Change dedicated to surveys, exploration and taxonomical studies of faunal communities since its inception in the year 1916. It also maintains the National Zoological Collections, which contain over a million identified animal specimens. ZSI Headquarters is located in Kolkata and has 16 Regional Centers spread across the country.

About National Academy of Sciences (NASI)

The National Academy of Sciences, India (NASI), the oldest science academy in India, envisions the cultivation and promotion of Science & Technology in all its branches, through its 21 chapters and multipronged activities with the support of its Fellows and Members. NASI collaborates with other National academies in its pursuit to promote the application of science and technology for societal development. The Annual Session is the flagship event for synergizing the discoveries and innovations of the scientific fraternity and their interface with government, industry and society at large. NASI has also been recognized by the **DSIR, GoI** as the Scientific & Industrial Research Organisation. **(Dr. Shivesh Pratap Singh, Secretary Bhopal NASI Chapter).**

About The Society of Life Sciences (SLS)

The Society of Life Sciences is a registered scientific body working to promote scientific research and excellence in all the areas of Life sciences which is open to everyone, who has interest in the field of Life Sciences. The Society is regularly publishing two Peer reviewed biannual journals from 2004. The Society conferred several awards to the senior

scientists and junior scientists to enthuse and encourage their best presentation, all across the country in more than 25 institutions since 2004. Not only this, the excellence in such areas recognised by Society, by giving them SLS awards. (**Dr. A.K. Pandey, Ex. Principal Scientist NBFGR, Lucknow & President Society of Life Sciences**)

How to reach A.P.S. University Rewa

Rewa is situated 130KM apart from Prayagraj (U.P.) and well connected with via Airways, rail and road root. Rewa is connected with Bhopal and Khajuraho by flight. It is also connected by Airways and rail with Jabalpur, Bilaspur, Allahabad and New Delhi. Routine buses are available from Bhopal, Allahabad, Satna, Banaras. APS University is 8 Km apart from railway station and 10 Km from airport situated on sirmour road. Weather of Rewa in March is usually being mildly warm and pleasant with temperature approximately 25 -30 °C.



About the Conference

The National Conference on "**Innovative and Modern Technologies for Environmental Management**" scheduled on 7th and 8th of March 2025, aims to bring together leading researchers, academicians, policymakers, industry experts and environmental enthusiasts to explore cutting-edge advancements in technology and their applications in addressing environmental challenges. As India faces pressing issues like climate change, biodiversity loss and resource depletion, it is imperative to harness innovative technologies for sustainable environmental management tailored to the country's unique ecological and socio-economic conditions.

Modern biology, biotechnology and interdisciplinary approaches have revolutionized sectors like agriculture, food production and ecosystem management. From genetically engineered organisms capable of bioremediation and increasing crop yields to tissue culture methods for biodiversity conservation, these technologies offer promising solutions to critical global and regional issues. The conference will emphasize leveraging these advancements in a sustainable manner to address India's challenges of environmental degradation and food security while promoting the welfare of future generations. Aligning with the vision of '**Viksit Bharat**' (Developed India), the conference underscores the role of science and technology in transforming India into a self-reliant nation with sustainable and innovative solutions for environmental management.

This year's conference coincides with International Women's Day on March 8th, highlighting the pivotal role of Indian women in environmental sustainability. Women, as primary caretakers of natural resources in many Indian communities, play a significant role in biodiversity preservation and sustainable resource management. The event will include dedicated discussions on empowering women in environmental leadership and promoting gender-sensitive solutions to ecological challenges, particularly in rural and tribal contexts. The conference provides a platform for sharing research, fostering collaborations and inspiring actionable solutions. Participants will gain insights into the latest technologies, policy frameworks and community-driven initiatives that can pave the way for a resilient and sustainable India.

Themes of the Conference

1. Environmental Analysis, Research and Management

- Health and Environment
- Climate Change: Causes and Consequences
- Waste Management and Recycling
- Natural Resource Conservation
- Environmental Economics and Policies
- Community Participation in Environmental Protection
- Law and Environment
- Development and Environment

2. Biotechnology and Environmental Sustainability

- Bioremediation: Cleaning Oil Spills and Heavy Metals
- Microbial Technology and Genetically Engineered Organisms for Environmental Applications
- Tissue Culture and Biodiversity Conservation
- Molecular biology, Genetics, Transgenics and Evaluation
- Advances in Genomics, Proteomics and Metabolomics for Sustainable Agriculture
- Bio - based Solutions for Industrial Waste Management

3. Women and Environment

- o Role of Women in Biodiversity Conservation
- o Gender-Inclusive Strategies for Sustainable Development
- o Empowering Women in Environmental Leadership
- o Contributions of Rural and Tribal Women in Resource Management

4. Science and Technology in Environmental Protection

- o Innovations in Life Sciences, Bio-Sciences, and Agricultural Sciences
- o Environmental Applications of Earth Sciences, Atmospheric Sciences, and Ocean Sciences
- o Industrial Research: Pulp, Drugs, Polymers, and Petrochemicals
- o IT Solutions for Environmental Monitoring
- o Uses of AI/ AI-driven technology for Environmental Applications

5. Wildlife and Ecosystem Conservation

- o Wildlife Conservation Strategies
- o Protecting Fragile Ecosystems, habitat restoration
- o Natural Disaster and Human-made Disaster Management

6. Interdisciplinary Approaches

- o Research in Pharmaceuticals, Engineering, and Industrial Environment
- o Sustainable Practices in Manufacturing and Production
- o Community-Driven Environmental Initiatives
- o War and Environment: Mitigating Impact on Ecosystems

By bringing together diverse perspectives, the conference aspires to drive meaningful discussions and foster innovative solutions for a sustainable future while celebrating the vital contributions of Indian women to environmental stewardship.

Level of Participants

Scientists and Academicians from same field or relevant field, Research scholars, Company Nominee could also attend the conference by sending the registration form along with Payment receipt on or before 3rd of March 2025.

Registration Fees*-

For UG Students-	Rs 250/-
For PG Students/Research Scholar -	Rs 500/-
For Academicians/ Scientist -	Rs 1000/-
For Company Sponsors	Rs 2000 /

*(Lodging facility will be provided on request basis with participants own expanses in university guest house and hotels available in Rewa city.)

Abstract and Paper Submission- Abstracts and Research paper should be submitted in MS-word Format as soft copy as well as hard copy. The Softcopy of abstract must send to email address conferencedeb@gmail.com. Hard Copy of Research paper and abstracts must be attached with registration form. Abstract size should be up to 300-500 words means while research paper should be in standard format. The best paper award is also given to the presenter of the paper.

Poster Presentation- Research scholars and students can participate in the poster presentation competition and the top three posters will receive awards. The poster should be of 4.0 *3.0 feet and should be based on research done by candidate.

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Registration Form through Google form

<https://forms.gle/y4kBnmFEmzmPx2219>

Name :

Designation

Institution/organization

Category (Research Scholar/Teacher)

Date of Birth

Gender Male ☐ Female ☐

Educational Qualification

Research Purpose/Interest

Postal Address

E-mail-

Ph./Mob

Details of Payments **(QR Code & Account No.)**

a. Amount Rs.....

b. Amount Transferred date.

c. Bank

Accommodation Required: Yes/No (on participants Expense)

Date

Place

Signature of Participant

(Xerox copy could be used)

Certificate and recommendation

This is to certify that information provided by Mr./Ms/Dr _____ is verified and found correct.

Signature with Seal of Authority

Payment Mode: Only Online NEFT/ PAYtm/UPI

Registration form and Payment Reciept along with hardcopy of abstract or full paper must submitted by post to **Dr. Atul Kumar Tiwari, Head , Department of Environmental Biology,** Awadhesh Pratap Singh University, Rewa (M.P.) **486003** on or before **03rd March 2025.**

Abstract and Full Length paper submission:

Direct submission through - conferencedeb@gmail.com

Account Holder name: *Environmental Science Society*

Account Number: 21007684066

IFSC code : IDIB000R632

Environmental Biology Society APSU

SCAN & PAY



UPI ID : headsebapsu@indianbk

For enquiry

Dr. Anshu Rani Patel 9752476060 (For Registration)

Dr. Arvind K. Tripathi - 9713354375 (For Abstract submission)

Dr. Shrikant Kol - 9806400582 (For accommodation and general enquiry)

Dr. Bharat K. Choudhari - 8718974025 (For accommodation and general enquiry)

Dr. Deepali Shukla - 7470703747 (For accommodation of female participants)