11th International Conference
On
Recent Advances in Agricultural, Biological & Applied Sciences for Eco-Friendly Development (RAABASED-2025)

July 25-27, 2025

Venue: Auditorium, Maya Devi University, Dehradun, Uttarakhand, India
Mode of Participation: Hybrid (Physical/Virtual)

Organized by

Centre for Indian Himalayan Grasslands, Palampur, H.P.
ICAR-Indian Grassland and Fodder Research Institute
Jhansi, Uttar Pradesh, India
(www.igfri.icar.gov.in)

College of Horticulture and Forestry
Central Agricultural University, Pasighat
Arunachal Pradesh, India
(www.chfcau.org.in)

School of Agriculture and Technology
Maya Devi University, Dehradun, Uttarakhand, India
(www.maya.edu.in)

Agro Environmental Development Society (AEDS)
Majhra Ghat, Rampur, U.P., India
(Registered under the Society Registration Act XXI, 1860)
(Registered Under the Niti Aayog, Gov. of India)
(www.aedsi.org)

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Our Previous/Current Collaboration

Uttar Banga Krishi Vishwavidyalaya, Cooch Behar, West Bengal

Centre For Agribusiness Incubation and Entrepreneurship (NABARD). Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior, M.P.

Kumaun University, Nainital, U.K.

Dr. YS Parmar University of Horticulture & Forestry, Solan, H.P.

Central University of Gujarat (CUG) Gandhinagar, Gujarat

Weather of Dehradun

Weather of Dehradun during the conference (July) will be very pleasant and enjoyable due to cloudiest and average day and night temperature range from 28-30°C and 20-22ºC, respectively.

About ICAR-Indian Grassland and Fodder Research Institute, Jhansi, Uttar Pradesh

ICAR-Indian Grassland and Fodder Research Institute, Jhansi is the premier institute for forage resource development in Asia. This institute was established in 1962 to initiate organized research in the field of grasses, grasslands, and fodder crops. All India Coordinated Research Project for Forage Crops was added in 1970 to coordinate multi-location testing programme at national level involving different agro-ecological conditions. The institute is at present organized into seven multi-disciplinary research divisions viz., Crop Improvement, Crop Production, Grassland and Silvipasture Management, Plant and Animal Relationship, Farm Machinery and Post Harvest Technology, Social Science and Seed Technology. The institute was also strengthened with three regional research stations, located at Avikanagar, Dharwad and Srinagar and Centre for Indian Himalayan Grasslands at Palampur (Himachal Pradesh) to address regional needs in forage resource development.

The Institute undertakes research, extension and other developmental activities towards forage resources development in the country. It conducts basic, strategic and applied research to enhance forage productivity, develop new cultivars & improved forage production practices, and efficient forage utilization for the benefit of millions of livestock farmers.

The Institute is of multi-crop and multi-disciplinary nature, thus enabling it to have more holistic approach in targeting at quality forage production and grassland management for increased livestock productivity and sustainable agricultural development with equal concern for environment, gender and livelihood issues. Over more than six decades of its existence, the Institute has shown remarkable development and expertise in different areas of forage production, processing, utilization and human resource development. The institute is working on rangeland development, range grasses and legumes for the development of livestock, grazing lands, pastures which are all linked with the upliftment of poor and underprivileged farmers, rural women, nomadic tribes and

graziers.

Many suitable technologies have been developed and demonstrated for maximizing fodder and seed production in different agro-climatic situations and under various crop rotations. Year-round fodder production technologies have been developed to meet the requirement for whole year and especially during lean period. Various post-harvest technologies and machines for fodder cultivation have been developed and popularized.

About College of Horticulture & Forestry, Central Agricultural University, Pasighat Arunachal Pradesh

The Central Agricultural University has been established by an act of Parliament, the Central Agricultural University Act, 1992 (No.40 of 1992). The Act came into effect on 26th January, 1993 with the issue of notification by the Department of Agricultural Research and Education (DARE), Govt. of India. The University became functional with the joining of first Vice-Chancellor on 13th September, 1993. The jurisdiction of the University extends to six North-Eastern Hill States viz., Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Sikkim and Tripura, with headquarters at Imphal in Manipur. College of Horticulture & Forestry, a constituent College of the Central Agricultural University, Imphal, Manipur, was established on 7th March 2001 at Pasighat, Arunachal Pradesh on the bank of beautiful river Siang.

School of Agriculture, Maya Devi University, Dehradun

With 15 years of legacy, established in the year 2010, Maya Group of Colleges is now Maya Devi University under the Uttarakhand University (Amendment) Act 2024, (Act No. – 05, 2024). Maya Devi University, with its world-class infrastructure, social values, high standards of learning & research, and strong corporate & industry interface, is a right launch pad for aspiring technocrats, entrepreneurs & would-be managers. We are committed to promoting Professional Education in Engineering, Agriculture, Management, Applied Sciences, Pharmacy, Hotel Management, Tourism, Disaster Management, Holistic Studies, Commerce, Animation, and Computer Application.

School of Agriculture & Technology, Maya Devi University is dedicated to advancing the field of agricultural education and research, aligning itself with the standards of leading academic institutions. The school offers a robust and interdisciplinary curriculum designed to equip students with the necessary knowledge and skills to address the multifaceted challenges facing global agriculture today. The academic programs are sustained by rigorous research initiatives that focus on improving agricultural productivity, developing innovative crop management strategies, and enhancing soil and water conservation practices. Through collaborative efforts with industry partners, governmental organizations, and various research bodies, the school actively contributes to advancing knowledge in areas such as precision farming, agricultural biotechnology, and sustainable rural development. The emphasis on both theoretical knowledge and practical skills ensures that graduates are well-prepared to contribute to the development of sustainable agricultural systems and the enhancement of food security worldwide.

About the Agro Environmental Development Society (AEDS)

The Agro Environmental Development Society (AEDS) is an agricultural research organization, registered under the society registration act 21, 1960 and the NITI Aayog Gov. of India, dedicated to promoting sustainable agricultural practices and fostering environmental conservation. The AEDS has since become a leading force in rural development, working tirelessly to uplift the lives of farmers and rural communities while safeguarding the

delicate balance of the environment. One of the primary objectives of AEDS is to empower farmers by providing them with the necessary knowledge and resources to adopt sustainable agricultural practices. Through workshops, training sessions, and field demonstrations, AEDS educates farmers about the latest advancements in agricultural techniques, such as organic farming, integrated pest management, and water-efficient irrigation methods. By encouraging the use of eco-friendly alternatives to conventional farming practices, the organization aims to improve crop yields, reduce production costs, and enhance the overall livelihoods of farmers. The AEDS is also committed to explore the scientific development across the world and has taken initiative to provide a platform to the scientists, researcher, policy makers and scholars to solve and discuss various issues relating to agricultural and environmental development. AEDS had organized first international conference at Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad, Uttar Pradesh, India in association with Pondicherry Institute of Agricultural Sciences (PIAS), Pondicherry and Centre for Environment & Agricultural Development (CEAD), Pondicherry on November 27-29, 2018 and became a great success with an impressive turnout of around 800 participants from all around the country along with the foreign delegates. The 2nd International Conference was held at Dr. Y.S. Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh on September 27-29, 2019. On this occasion, nearly 900 participants (Scientists, Academicians, Industries Person and Students) were participated globally. The AEDS also conducted various International Conference via virtual mode in collaboration with National and International universities during the global pandemic of COVID-19. In the previous years, the society organized various 21 days National Training Course in collaboration with Central Sericultural Research & Training Institute (CSRTI), Mysore, National Bank for Agriculture and Rural Development (NABARD), Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (Madhya Pradesh), Central Tasar Research and Training Institute, Central Silk Board, Govt. of India, Ranchi, Jharkhand, India, College of Horticulture and Forestry, Central Agricultural University Pasighat-Arunachal Pradesh and Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu. The most commendable International Conference has been organized recently by the AEDS in joint collaboration with Department & Directorate of Extension Education Uttar Banga Krishi Vishwavidyalaya, Pundibari, West Bengal, ICAR- National Agricultural Higher Education Project (NAHEP) at Kalimpong Science Centre, Deolo, Darjeeling, W.B. The AEDS recently organized one more successful international conference at Kumaun University, Nainital, Uttarakhand during March 01-03, 2024. Till now Society has organized total 10 International Conference and 8 National Training Cum Certificate Course in collaboration Central/State Agricultural University and other government institutions. Furthermore, the Society continuously working for the welfare of rural and land less community of the country and also making people aware for sustainable and profitable agriculture.

About the 11th International Conference (RAABASED-2025)

The Impact of climate change affect farmers' ability to grow the food we all need. Increasingly volatile weather and more extreme events-like floods and droughts-change growing seasons, limit the availability of water, allow weeds, pests and fungi to thrive, and can reduce crop productivity. Sustainable development is a fundamental principle for meeting human development goals while at the same time sustaining the ability of natural systems to provide the natural resources and ecosystem services upon which the economy and society depend. The challenges associated with environmental sustainability make it essential to bring together the disciplines of the Agricultural, Biosciences and Applied Sciences to address the today's challenges for sustainable development. Veterinary and animal sciences have seen significant progress with advancements in disease diagnostics, vaccine development, and animal nutrition, ensuring better health and productivity of livestock. Additionally,

biotechnology and microbiome research are contributing to sustainable livestock management and food security. This conference will also bring out the significance of the biological science and forests for sustainable development and food security as forests support sustainable agriculture by stabilizing soils and climate, regulating water flow, providing shade and shelter and providing a habitat for pollinators and natural predators of agricultural pests and when integrated judiciously into agricultural landscapes, trees can increase agricultural productivity. The broad scope of sustainable development suggests that virtually any social, economic or environmental process or challenge amenable to scientific understanding may potentially be relevant. Emergence, meanwhile, could signify the novelty or intensification of some of those issues, fresh understanding of their causes or consequences, the development of new management options, or the identification of issues that have gone previously unrecognized. Therefore, the present international conference **"Recent Advances in Agricultural, Biological & Applied Sciences for Eco-Friendly Development (RAABASED-2025)"** provides a forum to discuss such emerging issues and advances in the areas of agriculture, biological & applied science to promote the sustainable development of our society. The international conference will be a best amalgamation of eminent scientists, researchers, scholars, and students who will share the latest developments in the relevant fields to promote the sustainable development.

Themes and Subthemes of the Conference :

1. **Recent Advances in Agriculture, Horticulture, Food, Veterinary, Animal Husbandry, Fisheries and Allied Sciences**
   - Agriculture Resource Management: Frontier aspects in agricultural waste management for environmental sustainability
   - Livelihood security in agriculture and allied sectors
   - Sustainable development through sericulture
   - Opportunities of entrepreneurship in horticulture and allied fields
   - Advances in animal husbandry and allied fields
   - Livelihood security with dairy farming
   - Recent research trends in veterinary sciences and animal husbandry
   - Emerging employment in fisheries sector for sustainable development
   - Current approaches in animal husbandry for increasing livelihood security
   - Climate smart agriculture systems: Transforming food systems under a changing climate'
   - Sustainable rural livelihood systems and doubling farmers income through the innovative strategies
   - Horticulture as growth engine of farming sector and recent advances in horticulture and allied sciences
   - Crop production technology and precision agriculture
   - Soil health management and conservation of natural resources
   - Integrated management of nutrient with special emphasis to micronutrient
   - Eco-friendly management of conventional and newly emerging plant disease and insect pests
   - Applied aspects of soil and agricultural microbiology
   - Recent advances in dairy, food Science and technology
   - Business and marketing in the agricultural sector for increasing livelihood
   - Agriculture engineering, soil and water conservation, and food processing
   - Recent advances in fisheries and allied sciences

- Emerging and applied aspect of plant and animal sciences in developmental biology
- Application of biotechnology, bioinformatics, enzymology, gene mapping, genetic engineering, molecular and cellular biology, for the development of science and technology
- Importance of medicinal and aromatic plants in the pharmaceutical sector
- Bioresources and technologies used for biofuel production
- Microbial ecology and diversity in different habitats
- Cultivation of useful microbes for agro-environmental sustainability

2. Natural Resource Management and Sustainable Hill farming for Livelihood Security

- Sustainable hill farming for livelihood security
- Management of land, water and human resources for sustainable agriculture, horticulture and forestry
- Climate change adaptation and mitigation strategies for hilly areas
- Diversification and integrated farming system for sustainability and their socio-economic implications
- Bio industrial waste and contaminated soils management and community participation Indigenous traditional knowledge
- Forest protection and management
- Finding synergies between forestry, agriculture, water and energy
- The role of urban forests in fuelling and feeding cities and providing environmental and social services
- Integrating forests and other land uses
- Forest landscape management
- Aquatic bio-diversity conservation and its management
- Livelihood opportunities and security in fish farming and allied sector
- Climate change adaptation and mitigation strategies for hilly areas
- Diversification and integrated farming system for sustainability and their socio-economic implications
- Bio industrial waste and contaminated soils management and community participation
- Indigenous traditional knowledge

3. Climate Resilient Agriculture

- Ecosystem based approaches for climate change adaptation, ecosystem services, integrated farming system models and Land degradation neutrality
- Emerging approaches for biotic and abiotic stress management through big data analytics, precision farming, remote sensing, drone technology, AI, ML, Nanotechnology, modeling
- Sustainable soil management, conservation agriculture, organic farming, INM, soil-microorganisms-plant interactions
- Resilience through land and water management interventions, water management and governance

4. Emerging Issues in Environmental Management

- Frontier aspects in biotic and abiotic stress management
- Aquatic pollution due to industrial waste, problems and mitigation strategies
- Environmental development and biodiversity conservation
- Earth science, land use change,and management
- Advances in environmental microbiology and environmental engineering
- Climate change and its effect on environmental ecology and mitigation strategies
- Environmental chemistry, toxicology, health hazards and solution
- Environmental pollution and management

- Bioremediation of contaminated sites through innovative approaches
- Nanotechnology in water and wastewater treatment

5. Recent Advances in Biological & Applied Sciences

- Emerging and applied aspect of plant and animal sciences in developmental biology
- Application of biotechnology, bioinformatics, enzymology, gene mapping, genetic engineering, molecular and cellular biology, for the development of science and technology
- Applied aspects of microbiology in food, medical, industrial, agricultural and environmental development
- Importance of medicinal and aromatic plants in the pharmaceutical sector
- Bioresources and technologies used for biofuel production
- Applied aspects of microbiology in food, medical, industrial, agricultural and environmental development
- Microbial ecology and diversity in different habitats
- Cultivation of useful microbes for agro-environmental sustainability
- Applied aspects medical and pharmaceutical science in public healthcare
- Application of multidisciplinary knowledge in field of biomedical sciences
- Synthesis and biological screening of synthetic compounds and natural products for discovery of new drug
- Application of intellectual property rights (IPR) in science and technology
- Frontier aspects in computational biology for metagenomics analysis
- Advances in materials science, engineering, and technology
- Applied aspects in pharmacy, chemistry, physics, statistics and nano-science and nano-technology
- Innovative approaches in computer science, mechanical, and electrical engineering
- Role of the computer in the development of bioinformatics and biotechnology

6. The United Nations adopted on 15th march 2022 the resolution proclaiming 2026 the international year of rangelands and pastoralists to highlight the coexistence of pastoralism with nature:

- Diverse ecosystems, cultures and traditional knowledge.
- It also recognizes the importance of maintaining well-managed grasslands to ensure the sustainable management of pastoralism and the economic growth connected with these practices.
- Measures for strengthening pastoralism-based livelihood, pastureland management and enhanced fodder availability for livestock for balanced and sustainable ecosystem management need to be undertaken amid challenges and opportunities.

Awards and Honors

Interested candidates are requested to submit their duly filled award nomination (nomination form may be downloaded from society website at www.aedsi.org) to claim the respective awards (listed below) through e-mail to **aedsn2018@gmail.com** on or before **July 10, 2025**. Society contribution for life members INR-4000/- & lifetime membership fee for Non-Members INR-5000/- can be paid by NEFT/Net Banking/ Mobile banking/Online/banking app, Phone pay, Google pay etc. in favor of "Agro Environmental Development Society" payable at Saifni (State Bank of India, Account No. 37836254237, IFSC Code: SBIN0018205). Key contact for award confirmation: **aedsn2018@gmail.com** Mob: +91-6394082801.

Prestigious Awards

Life Time Achievement Award	Eminent Scientist Award	Distinguished Scientist Award
Outstanding Achievement Award	Excellence in Extension Award	Excellence in Teaching Award
Outstanding/Best M.Sc./MVSc/ MHSc/M.Tech./ Ph.D. Thesis Award	Best Research Scholar Award	Best Academician Award
Young Scientist Award	Young KVK Scientist Award	Best KVK Scientist Award
Scientist of the Year Award	Young Agriculture Engineer Award	Young Biotechnologist Award
Young Woman Scientist Award	Scientist Associate Award	Excellence in Research Award
Best Fisheries Scientist Award	Best Teacher Award	Young Woman Fisheries Scientist Award
Young Plant Pathologist Award	Young Microbiologist Award	Young Agriculturist Award
Young Horticulturist Award	Young Scientist Award in Forestry	Young Scientist Award in Biological Science
Young Professional Award	Young Scientist Award in Agrometeorology	Young Entomologist Award
Young Scientist Award in Plant Pathology	Young Scientist Award in Agriculture Science	Young Scientist Award in Animal Husbandry
Young Scientist Award in Fisheries Sciences	Young Scientist Award in Plant Science	Young Scientist Award in Animal Science
Young Scientist Award in Agriculture Extension	Young Scientist Award in Agriculture Research	Best Farmer Award
Young Scientist Award in Food Science and Technology	Young Scientist Award Floriculture	Young Scientist Award in Soil Science and Agricultural Chemistry
Young Scientist Award in Vegetable Science	Young Scientist Award in Fruit Science	Young Scientist Award in Home Science
Young Scientist Award in Biotechnology	Young Scientist Award in Floriculture	Young Scientist Award in Agronomy
Young Scientist Award in Extension Education	Young Scientist Award in Animal Husbandry	Young Scientist Award in Veterinary Research
Best Scientist Award	Best Scientist Award in Plant Pathology	Young Environmental Scientist Award
Young Scientist Award in Chemistry	Best Scientist Award in Veterinary Research	Young Scientist Award in Life Science
Best Scientist Award in Agricultural Statistics	Best Scientist Award in Agronomy	Best Scientist Award in Agricultural Science
Best Scientist Award in Horticulture	Best Scientist Award in Pomology	Best Scientist Award in Forestry
Best Scientist Award in Soil Science	Best Scientist Award in Plant Breeding and Genetics	Best Scientist Award in Seed Science
Best Scientist Award in Crop Physiology	Best Scientist Award in Plant Protection	Best Scientist Award in Entomology
Best Scientist Award in Agriculture Economics	Best Scientist Award in Food Science and Technology	Best Scientist Award in Land and Water
Best Teacher Award in Engineering	Excellence Teaching Award in Engineering	Young Scientist Award in Engineering

AEDS-2025 Special Award: Prof. K.C. Mehta Memorial Award (In the field of Plant Pathology)

Award Nomination Form

Application for the Award……

Title of the Applicant (Mr./Ms./Mrs./ Er./Dr./Prof.) ……

Full Name (Capitalize each word)……

Designation…… Discipline……

Name of Department

Complete Institutional Address with Pin Code ……

……

Photographs

Correspondence Address with Pin Code……

……

Contact. No……Whatsapp No……..E -mail……Nationality……

Date of Birth…….....Sex (M/F)… ……

Academic Profile (Education Qualification) Graduation Onwards

Degree	College/University/Institute	Year of Passing	Subject	% /Division/ CGPA

Title of thesis (Only for thesis award)……

Experience in Teaching/Ressearch (yrs.)……Outstanding Achievement……

No. of Research Papers…....Book Chapters……...Books……..Book Reviews……Magazine Articles……

Total Impact Factor/NAAS Rating……... ……..Research Project Undertaken: PI……Co -PI……

No. of Patents/Technology Transfer/Variety Released /Any Other (If any)……

No. of Poster/Oral Presentations…….No. of Invited Lecture…….No. of Training Programme Attended……

No. Seminars/Conferences/Workshops Organized……

Any Previous Award Received……No. of M.Sc/Ph.D Students Supervised……

Administrative Responsibilities (HOD/Dean/Principle/In -Charge/Registrar/Member of Any Board/Other)……

……

Any Fellow Member of Scientific Society……

Any Other Relevant Information……

Declaration: The information given in this form is true and correct to the best of my knowledge and belief. In case any information proves to be false or incorrect. I shall be responsible for the consequences .

Date……Place……Signature of Candidates ……

Note: Candidates are requested to send a MS Word file of duly filled and signed nomination form on aedsn2018@gmail.com **(MS Word file of award nomination form may be download from the Society**

Call for Abstracts/Full-Length Papers

Participants are invited to submit abstracts on their original and unpublished research work (maximum 300 words & 06 keywords) that should be written in Times New Roman font, double line spacing with 12 font size using Microsoft word. Corresponding authors must be highlighted by asterisk (*) with complete mailing address. Authors are also requested to submit their own research work in the form of research and review papers on the diverse field of agricultural, environmental and biological sciences, not exceeding 4500 words for publishing in the International Journal. Papers/abstract to be submitted online along with registration form and fee details on **aedsn2018@gmail.com**

Publications & Fee Details

Name of Journal/ Publisher	NAAS Rating	Full length Paper Publishing Charges (INR)
International Journal of Agricultural Sciences (ISSN: 0973 1-30X) (Indexed in Scientific Indexing Service, Google Scholar, Advanced Science Index, **NAAS Rating: 4.03**) ***Paper should be sent in a proper format (Download sample paper *via*: http://researchjournal.co.in/IJAS.htm**	**4.03**	**3500**
International Journal of Plant Sciences (ISSN: 0973-1547) (Indexed in Scientific Indexing Service, Google Scholar, Advanced Science Index, **NAAS Rating: 3.43**) ***Paper should be sent in a proper format (Download sample paper via: http://researchjournal.co.in/IJAS.htm**	**3.43**	**3000**
National Press and Publications (NPP) NPP is a leading academic registered book publisher, in Lucknow, offering comprehensive publishing services and publishes **Edited Book, Authored Book, Text Book etc. with ISBN**	-------	**As per the quotation**

Note: TA & DA facilities will not be borne by the University or AEDS Society and no Abstract/Full length paper will be published without registration in the conference souvenir and Journal.

Conference Session

The conference session covering all the themes and subthemes will be supported by the Lead Lecture, Oral Presentation and Poster Presentation by Eminent and Leading Scientists, Teaching Faculties, Research Scholars and Students from India and abroad on the relevant topics of the International Conference through **physical/virtual mode.**

Poster Presentation

All the participants are requested to prepare their posters that should not exceed the dimension 1.4 × 1.2 m (length × width) and furnished with the title, Authors Name, Affiliation, Introduction, Material and Methods, Results and Discussion and Conclusion. Clear pictures, diagrams, graphs and short tables are highly encouraged to use in posters to win the Best Poster prize in each thematic area.

Conference Registration Fee

Categories	Indian Participants/SAARC Countries (INR)			Others Participants (USD)
	Before the Due Date Registration Fee		On Spot Registration Fee	Registration Fee
	Physical /Offline Mode	Virtual /Online Mode		
Students (Diploma , UG & PG)	2500	1500	3000	100
Ph.D. Scholar, JRF& SRF	3000	2000	3500	150
Delegates/Scientist/ Faculties/ Teachers Professionals, RA PDF& Others	4500	2500	5000	170
Accompanying Person (Spouses/Guests)	3000	----------	3500	100

Note: All the Lifetime members of AEDS will be given a discount of 500/-in the registration fee.

Note: Conference Registration/Accommodation/Publication/Society Lifetime Membership/Society Contribution Fee is Non-Refundable/Non-Transferable and registration fee covers only hospitality and conference kit; it does not include accommodation charges. Conference fee will be paid by NEFT/Net Banking/ Mobile banking/Online/banking app, Phone pay, Google pay etc. For further queries and assistance, please contact to Organizing Secretary, Dr. Chhatarpal Singh, E-mail: aedsn2018@gmail.com Mob: +91-6394082801.

Accommodation

Accommodation for all the participants will be arranged near the conference venue on prior request and pre-payment basis or participants may arrange theirown accomodation themselves. No spot accommodation facility will be provided by the accommodation/conference committee at the time of conference. Kindly confirm your accommodation on or before **July 10, 2025.**

Accommodation Categories	Pay/Day (Individuals Non-Sharing) (INR)	Pay/Day (Double Sharing) (INR)
Normal Guest House	1700	1200
Deluxe Guest House	2500	2000

***Note: Accommodation will be done only after receipt of advance payment through NEFT/Net Banking/ Mobile banking/Online/banking app, Phone pay, Google pay etc.**

Mode of Payment & Account Details

Name of Account	Agro Environmental Development Society
Name of the Bank	State Bank of India
Bank Address	SBI, Saifni Shahabad, Bilari Road, Saifni, Rampur-244922, UP
Type of Account	Current
Account Number	37836254237
IFSC Code	SBIN0018205
MICR Code	244002161
Swift Code	SBININBB782

Important Dates

Last Date of Registration & Fee Submission	July 11, 2025
Last Date of Award Application	July 10, 2025
Last Date of Abstract Submission	July 10, 2025
Last Date of Full-Length Paper Submission	July 10, 2025
Last Date of Accommodation Confirmation	July 11, 2025

Conference Committee

Chief Patron

Mr. Manohar Lal Juyal, President, Maya Dev University, Dehradun, Uttarakhand

Patrons

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Prof. (Dr.) Ashish Semwal, Vice Chancellor, Maya Dev University, Dehradun, Uttarakhand

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Prof. Sandip Vijay, Pro Vice Chancellor, Maya Dev University, Dehradun, Uttarakhand

Dr Vijay Kumar Yadav, Project Coordinator, All India Coordinated Research Project (Forage Crops and Utilisation), ICAR-Indian Grassland and Fodder Research Institute, Jhansi, U.P.

Dr. Sudhir Singh Bhadauria, Deputy Commissioner (Crops), Ministry of Agriculture and Farmers Welfare, New Delhi

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Dr. A. Venugopal, Former Director, BTSSO Central Silk Board (Ministry of Textiles, Govt. of India), Bilaspur, Chhattisgarh

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Dr. Dhyal Singh, Associate Professor, School of Life and Applied Science, Maya Devi University, Dehradun, Uttarakhand

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Dr. Vikas Sharma, Professor (Biochemistry) SKUAST of Jammu, J&K, College of Horticulture and Forestry, Pasighat, East Siang District, Arunachal Pradesh, India

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Sample of Abstract

The effect of rice husk biochar on soil nutrient status, microbial biomass and paddy productivity of nutrient poor agriculture soils

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Abstract

The study related to the effects of rice husk biochar (RHB) application on soil microbial aspects and paddyproductivity in field condition is scare. Therefore, present study provides fresh insight into the effects of RHB onrice production in field conditions, with some updated information on soil microbial aspects. To study the impactof RHB and CSR-BIO (commercialized bio-formulation), on soil physico-chemical properties, soil microbial biomass (SMB) quantity and paddy productivity, four treatments were set up: control, RHB, CSR-BIO andRHB+CSR-BIO. The RHB with CSR-BIO both the amendments were applied at a rate of 10 t ha−1. Acrosstreatments, the water holding capacity, total -C, -N, -P concentrations and soil moisture content were statisticallyhigher in RHB and CSR-BIO treated soils over the control. The highest SMB-C, -N and -P (408.66 ± 0.57,83.33 ± 2.08 and 25.66 ± 1.52 μg g−1 dry soil, respectively) was recorded in RHB+CSR-BIO treated soil.Across the sampling dates, SMB-C, -N, -P and inorganic-N (ammonium- and nitrate-N) concentrations wereminimum on 35 day after transplantation (DAT) (tillering stage-active growth period), and maximum on 105DAT (maturity stage). The paddy plant growth variables (panicle length, tiller number, rice grain and paddystraw yields) were found higher in treated plots compared to untreated (control) plots, and varied significantly($P \leq 0.001$) due to treatments. Among the various selected paddy agronomic variables, the application of RHBand CSR-BIO treatment was more pronounced to the yield of rice grains. Results indicate that an increase in thequantity of SMB due to RHB+CSR-BIO addition, improves the soil nutrient status and hence, paddy productivityin nutrient poor agriculture soils. It is suggested that RHB generation from rice husk biochar could be asustainable crop residues waste management option to enhance the nutrient status, microbial biomass and paddyproductivity of disturbed agriculture soils.

Keywords **:** Ammonium-N, Soil microbial biomass, Nutrient poor soil, Paddy, Rice husk biochar

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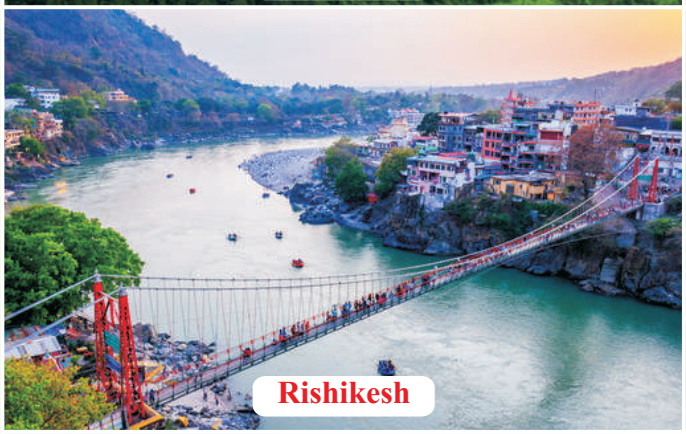
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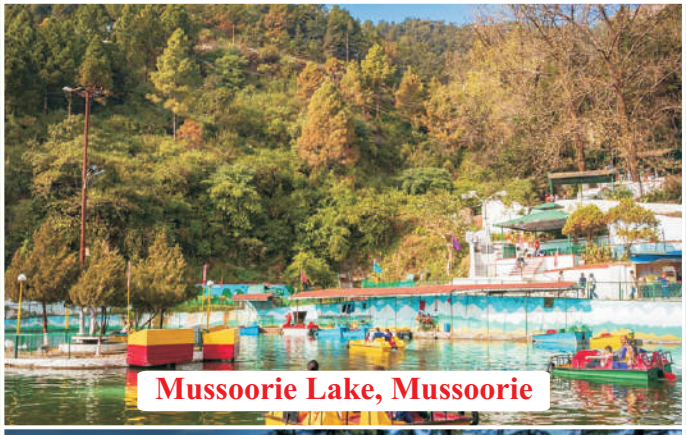

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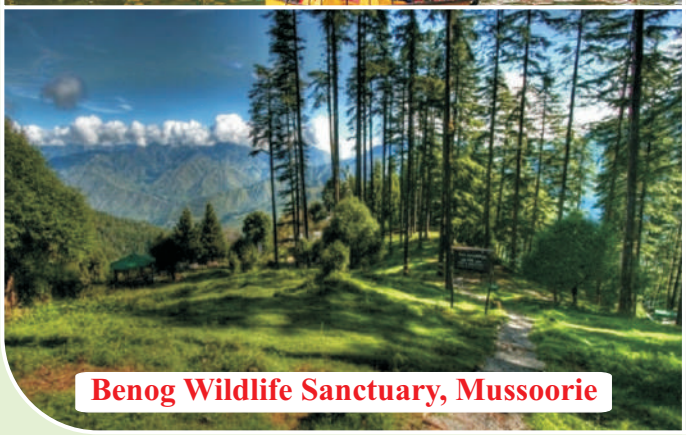

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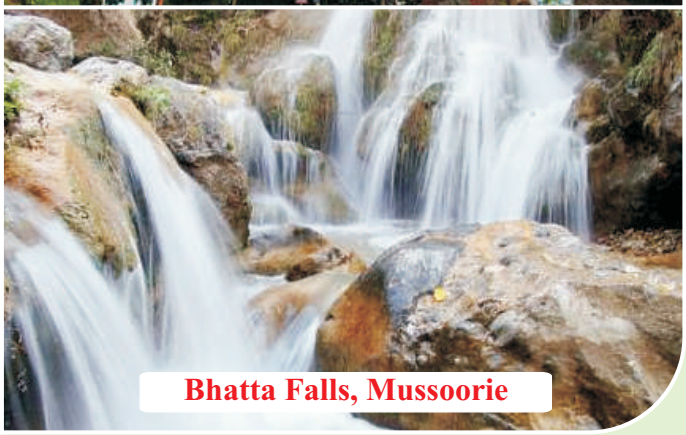

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