8th International Conference

On

Recent Advances in Agriculture, Animal Husbandry, Sciences & Technology for Sustainable Entrepreneurship (RAAAHSTSE-2023)

Venue: Auditorium, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya Gwalior, Madhya Pradesh, India

March 26-28, 2023



Organized by

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Biokart India Pvt. Ltd. Bengaluru, India

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NABARD

CAE

Centre for Agribusiness Incubation and Entrepreneurship (Supported by NABARD), Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, Madhya Pradesh, India (www.rvskvv.net)

AEDS

Agro Environmental Development Society (AEDS)
Majhra Ghat, Rampur, U.P, India
(www.aedsi.org)

Tribhuvan University
Research Centre for Applied Science and Technology (RECAST), Kathmandu, Nepal
(www.recast.edu.np)

University of Debrecen
Faculty of Agricultural and Food Sciences and Environment Management,Institute of Plant Protection, Debrecen, Hungary
(www.edu.unideb.hu)

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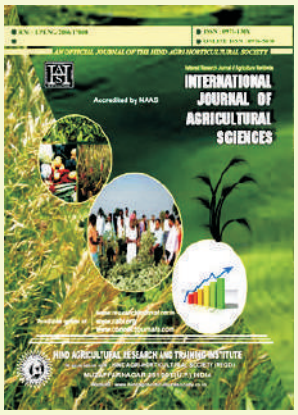
Our Publication



International Journal of Agricultural Sciences
(ISSN: 0973-130X)
(http://researchjournal.co.in/IJAS.htm)
(Scientific Indexing Service, Google Scholar, Advanced Science Index, **NAAS Rating: 4.73**)

International Journal of Plant Sciences
(ISSN: 0973-1547)
(http://researchjournal.co.in/IJPS.htm)
(Scientific Indexing Service, Google Scholar, Advanced Science Index, **NAAS Rating: 4.15**)

Weather of Gwalior

Weather of Gwalior during the conference (February-March) will be very pleasant and enjoyable due to average day and night temperature range from 32-33 ºC and 20-22ºC, respectively.

About the Gwalior

Gwalior is a city in the Central Indian State of Madhya Pradesh. It's known for its palaces and temples, including the Sas Bahu Ka Mandir intricately carved Hindu temple. Ancient Gwalior Fort occupies a sandstone plateau overlooking the city and is accessed via a winding road lined with sacred Jain statues. Within the fort's high walls is the 15th-century Gujari Mahal Palace, now an archaeological museum. Gwalior's history is traced back to a legend in 8th century AD when a Chief Tain known as Suraj Sen was struck by a deadly disease and cured by a hermit-saint Gwalipa. As a gratitude for that incidence, he founded this city by his name. The new city of Gwalior became existence over the centuries. The cradle of great dynasties ruled the city Gwalior. With different Dynasty, the city gained a new dimension from the warrior kings, poets, musicians, and saints who contributed to making it renowned throughout the country. The city is also the setting for the memorials of freedom fighters such as Tatya Tope and the indomitable Rani of Jhansi.

About Centre for Agribusiness Incubation and Entrepreneurship (CAIE), Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior, MP

The RajmataVijayaraje Scindia Krishi Vishwavidyalaya, Gwalior was established by Government of Madhya Pradesh Vide Ordinance No. 4 of 2008 notified in the Extraordinary Gazette No. 507 dated 19th August 2008 as

second Agricultural University by bifurcating the JNKVV, Jabalpur. As per RVSKVV act (No. 4, year 2009), the horticulture and veterinary science & animal husbandry. The research activities are operated through five Zonal Agricultural Research Stations (Morena, Khargone, Jhabua, Indore and Sehore); four Regional Agricultural Research Stations (Gwalior, Mandsaur, Ujjain and Khandwa) and 4 special research stations (Entkhedi, Bagwai, Jaora and Badwah) having 22 All India Coordinated Research Projects and several adhoc projects to enhance the productivity and profitability of agriculture system. Transfer of technology is the part of extension activities carried out by 21 KrishiVigyanKendras. Therefore, the mission of university is to conduct education research and extension activities for enhancing productivity optimization of profit and sustainability of agricultural production system and improving rural livelihood in Madhya Pradesh.The agribusiness incubator CAIE has been created with initial funding of Rs. 7.0712 crores from NABARD with the staff to manage the Incubation Centre. Funds will be spent mainly to create pilot plant and basic infrastructure, salaries and other contingency etc. and the staff will identify the technologies that could potentially be commercialized to promote start-ups which are related to agriculture and allied sectors. RVSABI gradually will be moved away from RVSKVV technology to a more client-centred approach. In order to engage scientists in CAIE work, management will encourage the scientific consulting, effectively putting scientists in contact with enterprises. CAIE business model will be evolved from fee-based (rental of infrastructure, office, and facilities) to offer feasibility studies and consulting services for promotion of start-ups as well as increasing the farm productivity by using the potential at utilization of Natural Resources and improved technologies.

Tribhuvan University, Research Centre for Applied Science and Technology (RECAST), Kathmandu, Nepal

The Research Centre for Applied Science and Technology (RECAST), established on September 8, 1977 under Tribhuvan University Act 1976, is primarily concerned with identification, improvement and adaptation as well as with generation and dissemination of the technologies appropriate to optimum utilization of natural resources for the overall development of the country.The centre strives to establish partnership with national and international academic institutions, government as well as private sectors and community-based organizations to address the country's needs through sustainable technological developments. RECAST is dedicated to contribute towards nation's commitment to achieve Sustainable Development Goals (SDGs) and graduation to then status of Developing Country.Our research areas include Appropriate Technologies Designs and Developments, Natural Products, Biotechnology, Biodiversity Conservation, Food and Agriculture, Materials Science and Nanotechnology, Rubbers and Plastics.The centre is striving to revive all its laboratory facilities as well as its consultancy and analytical services on foods, water and sanitation, natural products, construction materials, cosmetics, plastics, fuels and equipment designs. Keeping the spirit of the founders of the RECAST, the centre puts dedicated efforts to become a Centre of Innovations and Excellence, an attraction to the young researchers from all over the world.

University of Debrecen, Faculty of Agricultural and Food Sciences and Environment Management, Institute of Plant Protection, Debrecen, Hungary

With a student body of about 28,000 the University of Debrecen is one of the largest institutions of higher education in Hungary today. Hungary is a relatively small country of 10 million people, which has seven neighbors and one of the longest histories of European nations with a statehood of over 1100 years. As a member

of the European Union and at the crossroads of East and West, it is a very accessible location and an ideal base to explore all of Europe. Debrecen is the largest city outside Budapest and has over 200,000 inhabitants. At a convenient distance of 250 km to the East from the capital, Debrecen is a cultural, economic and scientific Centre of the region and a renowned university town. The cooperation of fourteen faculties ensures the multidisciplinary background guaranteeing the University a leading role as a research and education institution, and the intellectual center of Eastern Hungary.In 2007 our institution was the first to receive the highest degree of the Higher Education Qualification Prize awarded to the most reputable Hungarian higher education institutions.The University conducts its programs according to the European Qualifications Framework of the Bologna Process.Thus diplomas attained at the University of Debrecen are generally accepted in the countries of the European Union. Moreover, all our programs are accredited by the Hungarian Accreditation Board which is part of the European Accreditation Board. Medical programs are accredited by the World Health Organization (WHO), the State Education Department (NY, USA), Medical Board of California, Medical Councils of India (a qualifying exam is compulsory), Israel, Ireland, Iran, Norway and the United Arab Emirates.The aim of the educational, research and development activities at the Faculty of Agricultural and Food Sciences and Environmental Management is to satisfy the present and medium term requirements of Hungary, the agricultural sector and the society. The Faculty trains experts at the BSc, MSc and PhD levels in numerous fields of agricultural sciences: classical fields (animal husbandry, crop production and horticulture), environmental management, food processing, game management, nature conservation and crop protection are included in the diverse educational programs.

About the Agro Environment Development Society (AEDS)

The Agro Environmental Development Society (AEDS) is a scientific and research organization, registered under the society registration act 21, 1960 and the NITI Aayog Gov. of India. The prime objective of the organization is to promote the scientific awareness and sustainable development of agriculture, environment and biological sciencesfor the welfare of human beings. The society 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 600 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 800 participants (Scientists, Academicians, Industries Person and Students) were participated globallyand discussed their views on the diverse field of Agriculture, Environment and Biological Sciences. 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), 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 organizedrecently 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.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 International Conference

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 the sustainable development make it essential tobring together the disciplines of the agriculture, animal husbandry, fisheries, sciences & technology to address the today'schallenges for sustainable entrepreneurship. This conference will also bring outthe significance of theagriculture, animal husbandry, fisheries, sciences & technology 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 ahabitat for pollinators and natural predators of agricultural pests and when integrated judiciously into agriculturall and scapes, 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 thoseissues, 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 Agriculture, Animal Husbandry, Sciences &Technology for Sustainable Entrepreneurship (RAAAHSTSE-2023)"** provides a forum to discuss such emerging issues and advances in the areas of agriculture, animal husbandry and allied sectors 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 entrepreneurship developments in the relevant fields to promote the sustainable development.

Themes and Subthemes of the Conference:

1. **Recent Advances in Agriculture and Allied Sciences**
   - Agriculture Resource Management: Frontier aspects in agricultural waste management for environmental sustainability
   - Advances in Millet Research as a Sustainable Food Source
   - 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

- 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
- 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

2. Role of Entrepreneurship in Rural Development

- Advances in Language Skills for Business Communications
- Agriculture Startup Eco System
- Opportunities of Agri Tourism and Eco Tourism for Rural Development
- Challenges and Opportunities for Rural India Financing
- Agri Finance Growth for Develop Rural India
- Government initiatives for economic development of Rural India
- Role of Banking sectors in uplifting rural agriculture
- E-marketing strategies for solving agricultural products marketing
- Role of FPOs in mitigating market hurdles
- Role of Incubation Forum on Entrepreneurship Development
- Entrepreneurial Opportunities in the Sericulture Industry

3. 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

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 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
- 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

6. 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

7. Recent Trends in Applied Sciences for Sustainable Development

- Biopharmaceutics, pharmacokinetics and metabolism
- 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

Award and Honors

Interested candidates are requested to submit their details and updated CV or duly filed award application (application form download from society website at www.aedsi.org) to claim the respective awards (listed below) through e-mail to **aedsn2018@gmail.com** on or before March13, 2023. Society contribution for life members INR-4500/- & lifetime membership fee for Non-Members INR-5500/- will 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.

Award & Honors

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	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
YoungScientist 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 CropPhysiology	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 Management

AEDS-2020 Special Award: Prof. K.C. Mehta Memorial Award (In the field of Plant Pathology)

Award Application Form

Application for the Award.....

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

Full Name (Capitalize each word).....

Designation..... Subject/Discipline.....

Name of Department

Complete Institutional Address.....

.....

Photo

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.....N o. 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 Applicant..... .....

Note: Applicants are requested to send a MS Word file of duly filled and signed application form at aedsn2018@gmail.com **(MS Word file of award application form may be downloaded from the website: www.aedsi.org)**

Call for Abstracts/Full-Length Papers

Participants are invited to submit abstracts on their original and unpublished research work (maximum 300 words & 06 keywords-As per the sample of abstract) 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 at **aedsn2018@gmail.com**

International Journal of Agricultural Sciences (ISSN: 0973-130X)

(Indexed in Scientific Indexing Service, Google Scholar, Advanced Science Index, **NAAS Rating: 4.73**)

International Journal of Plant Sciences (ISSN: 0973-1547)

(Indexed in Scientific Indexing Service, Google Scholar, Advanced Science Index, **NAAS Rating: 4.15**)

Publication Fee Details

Name of Journal/ Publisher	NAAS Rating	Full length Paper Publishing Charges (INR)
International Journal of Agricultural Sciences (ISSN: 0973-130X) (Indexed in Scientific Indexing Service, Google Scholar, Advanced Science Index, NAAS Rating: 4.73) ***Paper should be sent in a proper format (Download sample paper *via*: http://researchjournal.co.in/IJAS.htm**	4.73	3000
International Journal of Plant Sciences (ISSN: 0973-1547) (Indexed in Scientific Indexing Service, Google Scholar, Advanced Science Index, NAAS Rating: 4.15) ***Paper should be sent in a proper format (Download sample paper *via*: http://researchjournal.co.in/IJAS.htm**	4.15	2500

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

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, Professional, 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 1.3 × 1.0 m (length ×width) and furnished with the title, Authors Name, Affiliation, Introduction, Material and Methods, Results andDiscussion and Conclusion. Clear pictures, diagrams, graphs and short tables are highly encouraged to use inposters 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	On Spot Registration	Before the Due Date	On Spot Registration
Students (Diploma UG & PG)	2500	3000	200	230
Ph.D. Scholar, JRF& SRF	3000	3500	240	250
Delegates/Scientist/ Faculties/ Teachers Professionals, RA PDF& Others	4000	4500	300	350
Accompanying Person (Spouses/Guests)	3000	3500	200	240
Industry/Company	30000	35000	500	550

***Note:** **Conference Registration/Accommodation/Publication/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 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 **March 10, 2023.**

Accommodation Categories	Pay/Day (Individuals Non-Sharing) (INR)	Pay/Day (Double Sharing) (INR)
Normal Guest House	2000	1500
Deluxe Guest House	2500	2000
Dormitory	800 (Per Person)	800 (Per Person)

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

Mode of Payment & Account

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	Saving
Account Number	37836254237
IFSC Code	SBIN0018205
MICR Code	244002161
Swift Code	SBININBB782

Important Dates

Last Date of Registration & Fee Submission	13 March, 2023
Last Date of Award Application	13 March, 2023
Last Date of Abstract Submission	13 March, 2023
Last Date of Full-Length Paper Submission	13 March, 2023
Last Date of Accommodation Confirmation	10 March, 2023

Conference Committee

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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 microbialbiomass (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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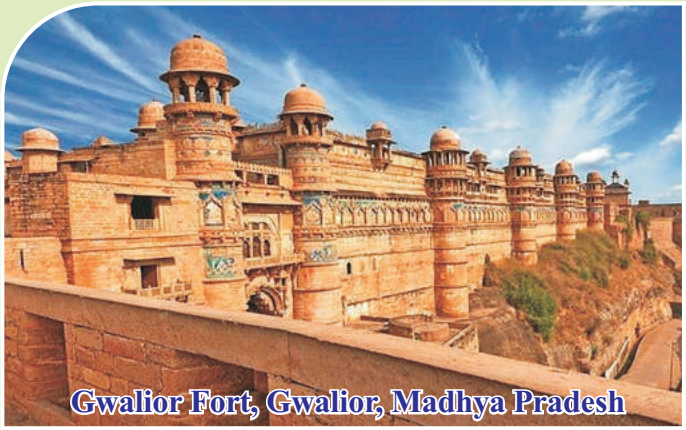
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