2nd International Conference

Recent Advances in Agricultural, Environmental & **Applied Sciences for Global Development** (RAAEASGD-2019)

27-29, September, 2019

Venue: L.S. Negi Audotorium, Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India.





Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh, India. (www.yspuniversity.ac.in)

In Association with



Plant Pathology Research Institute, Agricultural Research Center, Cairo University Giza, Egypt (www.arc.sci.eg)



Tribhuvan University, **Institute of Forestry**, Pokhra Campus, Nepal (www.iofpc.edu.np)

About the Society

The Agro Environmental Development Society (AEDS) is a scientific organization registered under the Societies Registration Act 21, 1860. The prime objective of the organization is to promote the scientific awareness and sustainable development of agriculture and environment for the welfare of human being. 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 was 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 & Centre for Environment & Agricultural Development (CEAD), Pondicherry on November 27-29, 2018. On this occasion, nearly 800 participants (Scientists, Academicians, Industries Person and Students) were participated from India and abroad to discuss their views on the diverse field of Agriculture, Environment and Applied Sciences. AEDS is also publishing an International quarterly peer review journal "Journal of Agricultural & Environmental Research". Which is totally devoted to them, who unable to publish their work in time due to high article processing charges as well as several stringent policies. The principal objective of the journal is to publish scientific research on several areas of agriculture, environment and applied sciences.

Dr. Yashwant Singh Parmar University of Horticulture and Forestry (YSPUHF)

Dr. Yashwant Singh Parmar University of Horticulture and Forestry (YSPUHF) was established on December 01, 1985 named after Yashwant Singh Parmar, the first Chief Minister of Himachal Pradesh. It is a state university of Himachal Pradesh located in Solan, district of Himachal Pradesh, India. It has exclusive mandate of education, research and extension in horticulture, forestry as well as applied science. It covers 5.5 square kilometers area and is located in Nauni on the Solan-Rajgarh Road. University offers undergraduate, postgraduate and doctoral courses in horticulture, forestry, basic science and allied disciplines of agriculture. Dr. Y S Parmar University of Horticulture and Forestry has four colleges i.e. the College of Horticulture Nauni, College of Forestry Nauni, College of Horticulture & Forestry Neri and College of Horticulture&CehreThunag. Which are divided into 16 departments with 500 faculties (scientists and teachers). University has lush green and attractive campus surrounded by green vegetation and high peak hills, which makes it eye-catching and beautiful.

About Solan City of Himachal Pradesh

Solan is known as the "Mushroom city of India" because of the vast mushroom farming in the area as well as the Directorate of Mushroom Research (DMR) situated at Chambaghat and it is also an administrative headquarters of district of Himachal Pradesh, formed on September 01, 1972 in the Indian state of Himachal Pradesh. The largest Municipal Council of Himachal Pradesh, is located at Solan, 46 Km of south of the state capital, Shimla at an average elevation of 1,600 meters (5,200 ft). Solan is named after the Hindu goddess Shoolini Devi, which is surrounded by many hills and green flora, makes it attractive and beautiful for tourism. Every year in the month of June, a fair venerating the goddess is held, featuring a three day mela at the central Thodo grounds. Solan is also known as the "City of Red Gold", due to the bulk production of tomatoes. It is situated between Chandigarh and Shimla (State capital), on the Kalka-Shimla National Highway-22. The Kalka - Shimla railway a Narrow-gauge railway line passes through Solan. It was built by the British and is a recognized UNESCO World Heritage site. Weather of Solan during the conference will be pleasant and enjoyable due to average day and night temperature from 25-26 and 15-18 0C, respectively.

About the International Conference

Sustainable development is the organizing 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, Environmental and other applied sciences to address the today's environmental challenges for sustainable development. 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, Environmental & Applied Sciences for Global Development (RAAEASGD-2019)" provides a forum to discuss such emerging issues and advances in the areas of agriculture, environment and 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 Sub themes of the Conference:

- 1. Recent Advances in Agriculture and Allied Fields
 - Doubling farmers income through the innovative strategies
 - 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
 - > Frontier aspects in agricultural waste management for environmental sustainability
 - Applied aspects of soil and agricultural microbiology

- > Recent trends in entrepreneurial activities like sericulture, mushroom cultivation, vermicompost production, gardening, fishery, and apiculture, floriculture, etc
- 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 horticulture and allied sciences
- Agro-forestry and land use management
- Integrated management of weed

2. Natural Resource Management and Sustainable Hill farming for livelihood security

- Horticulture as growth engine of farming sector
- > 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

3. 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

4. Recent Advances in Biological and Allied Sciences

- > Emerging and applied aspect of plant and animal sciences indevelopmental 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

5. Recent Trends in Pharmaceutical and Applied Sciences for Sustainable Development

- Role of pharmaceutical science in drug design and development
- Role of industries in the development of pharmaceutical science
- Pharmaceutical manufacturing technology and engineering
- Biopharmaceutics, pharmacokinetics and metabolism
- Application of ancient knowledge of drugs in form of active constituents in field of pharmacy
- > 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

Conference Awards and Honors

Interested candidates are requested to submit their detail CV to claim the awards (listed below) through e-mail to aedsr2019@gmail.com on or before September 04, 2019. Society contribution for life members Rs. 5000/-& Non-Members 6000/-can be paid by NEFT / Net Banking / Cash 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: aedsr2019@gmail.com

Mob: +91-08115912700 or +91-07355245820.

Award Categories

Life Time Achievement Award	Eminent Scientist award	Scientist Associate Award
Best Research Scholar Award	Young Microbiologist Award	Outstanding/Best M.Sc./Ph.D. Thesis Award
Young Scientist Award	Outstanding Achievement Award	Best KVK Scientist Award
Scientist of the Year Award	Distinguished Scientist Award	Young Biotechnologist Award
Young Woman Scientist Award	Scientist Associate Award	Excellence of Research Award
Young Plant Pathologist Award	Best Academician Award	Young Agriculturist Award
Young Horticulturist Award	Best Forest Ranger Award	Best Forest Conservator Award
Outstanding/Best M.Sc. / M.Tech./	Young Environmentalist Award	Excellence in Teaching Award
Ph.D. Thesis Award		

AEDS-2019 Special Award: Prof. K.C. Mehta Memorial Award (In the field of Plant Pathology) **Call for Abstracts/Full-Length Papers**

Participants are invited to submit abstracts on their 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 and presenting authors must be underlined. Authors are also requested to submit their own research work in the form of book chapter/researchand review papers on the diverse field of agricultural, environmental and applied sciences, not exceeding 6000-7000 words for publishing in following International Journal / Edited Book. Full lengthPapers/abstract to be submitted online along with registration form at aedsr2019@gmail.com

- (A) International Journal: International Archive of Applied Sciences and Technology (IAAST)

 UGC approved and NAAS rating 4.45, Official peer review International index Journal
- (B) International Journal: Bulletin of Environment, Pharmacology and Life Sciences
 NAAS rating 4.95, Monthly peer reviewed open access International Journal
- (C) International Journal: Journal of Agricultural & Environmental Research (JAER)

 JAER is also an official peer review International Journal published by Agro Environmental Development Society, Rampur, UP, India
- (D) International Edited Book with ISBN: Chapter will be published in International edited book in the form of conference proceeding.

Authors Guideline: Author may contact for manuscript preparation to aedsr2019@gmail.com

Full length paper Publishing fee

Name of Journal/ Publisher	Full length Paper Publishing Charges (INR)
International Archive of Applied Sciences and Technology	1800/-
(UGC approved & NAAS Rating: 4.45)	
Bulletin of Environment, Pharmacology and Life Sciences	1800/-
(NAAS Rating 4.95)	
Journal of Agricultural & Environmental Research	Nil
International Edited Book with ISBN	Nil

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, Journal and edited book.

Conference Session

The conference session covering all the themes and sub themes will be supported by the Plenary Talk, Lead Talk, Invited Talk, Oral Presentation and Poster Presentation by eminent and leading scientists, Teaching Faculties and Research Scholars from India and abroad on the relevant topics of the International Conference.

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 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

	Indian (INR)		Foreign (USD)	
Categories	Before the due date	On spot Registration	Before the due date	On spot Registration
Students (UG & PG)	2000	2500	250	300
Ph.D. Scholar, JRF & SRF	2500	3000	300	350
Delegates/Scientist/ Professionals, RA&PDF	3500	4000	350	400
Private Organization, Industries etc.	6000	7000	450	550
Accompanying (Spouses/Guests)	2500	3000	150	200

^{*}Note: Conference Registration / Society Contribution Fee is Non Refundable/Non-Transferable and registration fee will cover only hospitality and Kit; it does not include accommodation charges. For further queries and assistance, please contact to Organizing Secretory, Dr. Chhatarpal Singh, : cpsingh.2012@gmail.com, Mob: +91-8115912700, +91-7355245820

Accommodation

Accommodation for all the participants will be arranged at the University campus and Solan city near the conference venue on prior request and pre-payment basis or participants arrange their own accommodation them selves. No spot accommodation facility will be provided by the accommodation committee at the time of the conference. Kindly confirm your accommodation on or before September 01, 2019.

Accommodation Categories	Pay/Day (IndividualsNon-Sharing)	Pay/Day (Double Sharing)
University Dormitory	400-500	500-600
University Guest House	1500-2000	2000-2500
Deluxe Hotel	2000-2500	3000-4000

^{*}Note: Accommodation will be done only after receipt of advance payment through NEFT / Net Banking.

Mode of Payment & Account Details

Name of the Account: Agro Environmental Development Society

Name of the Bank: State Bank of India

Bank Address: SBI, Saifni Shahabad, Bilari Road, Saifni,

Rampur-244922, UP

Account Number: 37836254237 IFSC Code: SBIN0018205 MICR Code: 244002161

Important Dates		
Last Date of Registration (before due date)	September 10, 2019	
Last Date of Abstract Submission	September 10, 2019	
Last Date of Paper Submission	September 02, 2019	
Last Date of Award Application	September 11, 2019	
Last Date of Accommodation	September 01, 2019	

Sponsorship and Advertisement details:

	Sponsorship Details	Advertisement Details	
Categories	Fee (INR)	Description of Advertisement	Fee (INR)
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2. Gold	80000/-	Back Cover Inside (Color)	20000/-
3. Silver	60000/-	Full Page (Color)	15000/-
4. Bronze	30000/-	Half Page (Color)	10000/-

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27-29 September, 2019

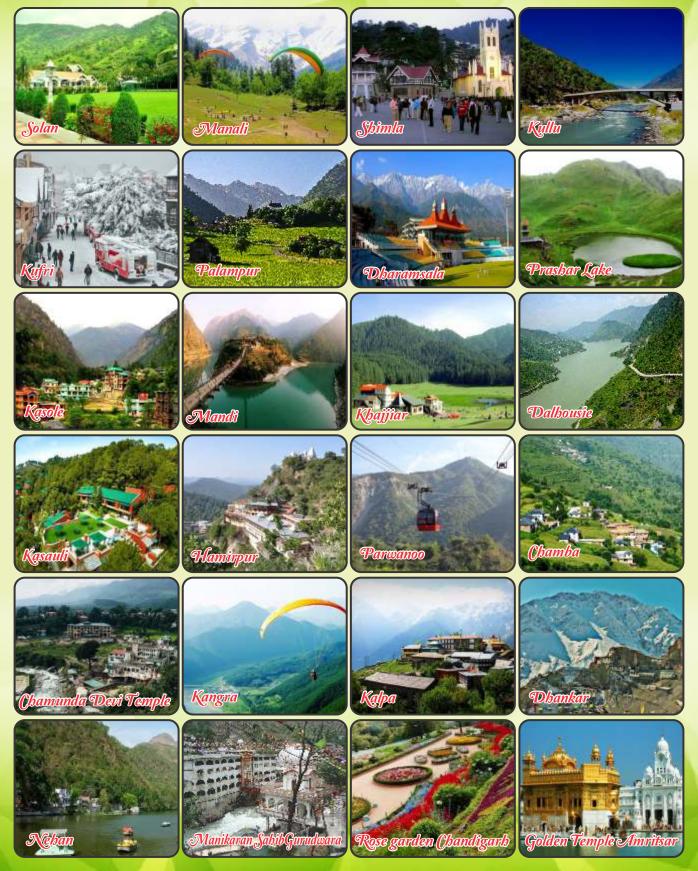
Venue: L.S. Negi Audotorium, Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal Pradesh, India.

Registration form

Name: Mr. Ms. Dr. Prof. (In Block Letter)	
Designation	
Organization	
Mailing Address with Pin Code	
E-mail	
Contact Number	
Gender	
Title of Abstract/Paper	
Name of Accompanying Persons (if any)	
Accommodation Required/Not Required	
University Dormitory	
University Guest House	
Deluxe Hotel	
Mode of Travel (Flight/Train/Bus/Others)	
Category of Participation: Faculty/Scientist/Research Scho	lar/Students/Others
— Fee Details	s ————————————————————————————————————
Cash Receipt / NEFT / Net Banking Ref. No	
DateConference Registration Fee (Rs.)	Society Contribution Fee (Rs.)
Accommodation Fee (Rs.)	
Accompanying Persons (if any)	
Total Amount (Rs.)	
Date of Arrival (for accommodation purpose)	
Date	
Place:	
	Signature of Applicant

Note: Kindly send the scanned copy of duly filled registration form along with the fee details via mail to: aedsr2019@gmail.com

Nearest Tourist Places



Glimpses of the University Campus







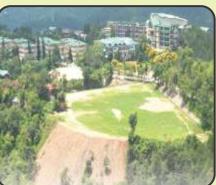












For Further Details Contact

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