

# International Web Conference Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020)

October 4-6, 2020

## Highlights of WEB Conference Sessions

- *Technical Session for Lead, Oral and Poster Presentation*
- *Expert lecture from invited speakers*
- *Plenary & Concluding sessions*
- *Best Oral Presentation Award (each technical session)*
- *Best Poster Presentation Award (each technical session)*
- *Hard copy of certificate issued to Indians and Soft copy to Overseas Presenters/participation*

## Important Dates

<i>Last date for receipt of abstracts:</i>	<b>10.09.2020</b>
<i>Communication of acceptance:</i>	<b>15.09.2020</b>
<i>Last date for registration:</i>	<b>15.09.2020</b>
<i>Last Date for Submission of Full Length Papers:</i>	<b>25.09.2020</b>
<i>Last Date for Submission of Book Chapters:</i>	<b>25.09.2020</b>

## Jointly Organized By



Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India



Bangladesh Agricultural Research Institute (BARI), Gazipur, Dhaka, Bangladesh



Shobhit Institute of Engineering & Technology (A NAAC Accredited, Deemed to be University), Modipuram, Meerut, India



Rajiv Gandhi Central University, Itanagar, Arunachal Pradesh



Soils, Water and Environmental Res. Inst. (SWERI), Agriculture Research Center, (ARC) Giza, Egypt



## In collaboration with

Journal of Experimental Biology and Agricultural Sciences (JEBAS) (<https://www.jebas.org>)  
Journal of Postharvest Technology ([www.jpht.in](http://www.jpht.in))

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## Invitation

We feel great pleasure to inform you that Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India is organizing an International Web Conference on Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020) in collaboration with Bangladesh Agricultural Research Institute (BARI), Gazipur, Bangladesh, Shobhit Institute of Engineering & Technology (ANAAC Accredited, Deemed to be University), Meerut, India; Soils, Water and Environmental Res. Inst. (SWERI), Agriculture Research Center, (ARC) Giza, Egypt, Corteva agriscience on October 4-6, 2020.

The organizing committee of the conference invites scientists, academicians of National and International levels, professionals, research scholars, NGOs, social and extension workers, students, corporatists, entrepreneurs, farmers, and others who are actively involved in practices and research areas related to agricultural and applied sciences. The main aim of the conference is to provide a common platform for the researches, scientists, technocrats and students from all over the world to share and discuss their latest research finding, development activities in the area of agricultural and all applied sciences which will boost their knowledge and experience in the concerned area.

### **ABOUT THE INTERNATIONAL CONFERENCE**

There is huge pressure of population on limited agriculture resources in the developing countries, all this results in ecological imbalance and a threat to the existence of life on earth. Therefore there is a great need for institutional efforts as well as people's participation to address the conservation of natural resources for food security and the existence of life on earth. International Web Conference on "Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020)" has been designed to focus on various scientific tracks covering major areas of research on agriculture, biological and applied sciences. In this context, emphasis pointed on novel tools and technologies in the field of Agricultural and Allied Science, Medical Science, Social Sciences, Biological, and Physical Sciences. This conference will bring together the global scientific community, policymakers, administrators, industry representatives, and other stakeholders to exchange and share their experiences, new ideas. This conference will offer to discuss the practical problems and challenges and solutions adopted by the respective workers. It will be an opportunity of sharing our expertise and experience with renowned speakers from all over the world. It will also be a platform to strengthen the friendship and collaboration among the scientists, academia, and the institute

### **ABOUT THE AGRICULTURAL & ENVIRONMENTAL TECHNOLOGY DEVELOPMENT SOCIETY (AETDS), U.S. NAGAR, UTTARAKHAND, INDIA**

Agricultural & Environmental Technology Development Society (AETDS) U. S. Nagar, Uttarakhand, India is an autonomous research and educational organization registered under society registration act 21, 1860 bearing the registration no UK06708052019001367. AETDS is mainly engaged in the promotion of research in the field of Agricultural and Allied Science, Medical Science, Social Sciences, Biological and Physical Sciences for the development of wellbeing of mankind and farmers. Society is also working in the area of conservation of nature and the environment. AETDS is organizing workshops and training programs, symposiums on different burning and challenging issues at the National and International levels. It is also delivering support and services to educators, researchers, and farmers around the world. The main objective/aims of the society are to promote and disseminate knowledge in Agricultural and Allied Science, Social Sciences, and Biological Sciences for sustainable development to make world cleaner-greener. The first step of society in the right direction would come from educating and motivating young minds on the possibilities that this area entails for scientific exploration.

### **ABOUT THE BANGLADESH AGRICULTURAL RESEARCH INSTITUTE (BARI), GAZIPUR, DHAKA, BANGLADESH**

Bangladesh Agricultural Research Institute (BARI) is the largest multi-crop research institute conducting research on a wide variety of crops, such as cereals, tubers, pulses, oilseeds, vegetables, fruits, spices, flowers, etc. Besides variety development, this institute carries out research on such areas as soil and crop management, disease and insect management, water management and irrigation, development of farm machinery, improvement of cropping and farming system management, post-harvest handling and processing, and socio-economic studies related to production, processing, marketing and consumption. The institute functions with the director general as the chief executive along with three directors of three of its major wings, such as Research Wing, Support Service Wing, and Training and Communication Wing. The Research Wing executes and monitors all the research programmes and other research activities through 6 special crop research centres, 17 research divisions, 8 regional research stations and 28 sub-stations. Support Service Wing provides all the logistic supports in research and personnel management.

### **ABOUT THE SHOBHIT INSTITUTE OF ENGINEERING & TECHNOLOGY (Deemed-to-be-University), MEERUT-250110, INDIA**

Shobhit University believes in strategic growth as envisaged in our mission and vision, to impart quality education through vertical and horizontal integration. It strives to become a world class university, with a global perspective, that educates the future leaders of the world. Therefore, the challenge before the University is to remain in the forefront of cutting edge knowledge and to follow the best international practice(s) in academics. Shobhit University aspires to make academic issues and commitments as the key concerns of the young generation and thereby, make a significant contribution to the academic developments wherever they are in the world. By the fostering of quality education, research and innovation, the University endeavor to empower youth. SIET is inspired by talent, regularly enriched and driven by innovation is the guiding philosophy of Shobhit University's enlightened community. The University translates its vision into reality on the path of achieving excellence in engineering, technology, agriculture and management, based on the fundamentals of 21 century education to conform and serve basic human needs, for overall development and inclusive growth. Even during COVID-19 pandemic, the University has regularly conducted online classes, examinations and the results are declared. Research contributions of the University for doubling farmers income are highly appreciated, the University has also contributed in New Education Policy.

### **ABOUT THE SOILS, WATER AND ENVIRONMENTAL RES. INST, (SWERI), AGRICULTURE RESEARCH CENTER, (ARC) GIZA, EGYPT**

Soil, Water & Environment Research Institute (SWERI) is the oldest of the institutes of the Agricultural Research Centre (ARC) of Egypt. ARC-SWERI was established in 1903 and celebrated in 1971. The Institute functions under the ARC Business Division: Natural Resources. As reflected in its name, ARC-SWERI's mandate concerns the sustainable and integrated use and management of the natural resources soil, water, and Environment. To be an internationally recognized center of expertise in the fields of Soil Science, Water Science, Agro-meteorology, Environment, Remote Sensing, Geospatial Information Management, and Decision Support. ARC-SWERI follow a holistic approach towards natural resources utilization and conservation. It, therefore, promotes and collaborates in multi-institutional, cross-sectorial, bilateral, and multi-lateral research teams. Its researchers are trained and experienced in project management and planning, and in teamwork. The Institute has a proud history of successful formal agreements with national and international initiatives, and actively participates in formal ARC cooperation agreements with other countries.



## MAJOR THEMES/SUBTHEMES AND TRACKES OF THE CONFERENCE

### Theme 1: Innovative Approach in Agricultural and Allied Sciences

- Innovative approaches in Soil Health, Land Resources and Land Use Planning and management
- Precision Agriculture, Soil and Water Conservation for sustainable agricultural system
- Resent aspects in crop production technologies
- Organic Farming with residue free production
- Production and Management of Sericulture, Apiculture, Forestry, Vermicomposting, Fishery, Mushroom etc.
- Doubling the Farmers income through innovative approach
- Integrated Nutrient, Weed, Diseases and Pest Management
- International perspective in Animal Health and animal husbandry: Innovations and challenges
- Advances in Dairy Science and Technology for enhancing the farmers income
- Traditional and Herbal Medicines
- Scientific studies and development in allied sectors like: fisheries, dairy, poultry, home science etc.
- ITK, ICT, IPR, Smart Agriculture and Transfer of Technology (TOT) for Farmers Innovation
- Govt. Policies and planning for Sustainable Development of Agriculture
- Hi-tech Horticulture, Horticultural innovations, food processing and value addition
- Aqua culture: present and future
- Innovation in agricultural engineering
- Agricultural marketing, Export, entrepreneurships development and Agri-business management opportunities
- Income Analysis of production and marketing of Agri-enterprise
- Farm mechanization and post-harvest technologies to enhance farm profitability
- Agribusiness education, research, extension and training in India

### Theme 2: Natural resource management, Food and Environmental Security

- Natural Resources Management and their Conservation
- Climate change and global warming: Impacts, Policies, Planning and Management
- Green technologies for sustainability
- Environment Pollution and Disasters: Monitoring and Management
- Environmental and sustainable friendly energy resources: renewable energy, green energy, bio-fuels and waste product energy
- Medical and pharmaceutical Science and health care management
- IPR and Utilization of Plant resources : Issues and current challenges

- Bio-remediation, renewable energy and energy conservation
- Application of remote sensing and geographical information system in agriculture and natural resources management
- Regional planning and sustainable development

### Theme 3: Life Sciences, Biomedical Sciences and Biotechnological aspects

- Biodiversity (Plant/Animal) and Marine biology
- Molecular Biology, Bioinformatics, Biochemistry, Genetic Engineering and Enzymology
- Trends in Geography, Botany, Zoology, Microbiology, Plant Science, Geology etc.
- Bio-nanotechnology
- Biotic and Abiotic Stress Management, Weather forecast
- Pharmaceutical Science, cell and molecular biology
- Reproductive and molecular biology
- Infectious, viral and parasitic disease
- Wellness, health and antibiotic resistance
- Biosynthesis, mycoscience and metabolism
- Application of medicinal biotechnology for livelihood support
- Clinical and experimental oncology
- Molecular biology, biotechnology, bioinformatics, diagnostics and therapeutics
- Bio-nanotechnology, signaling pathways and molecular diagnostic
- Structural engineering, signal processing, imaging, image processing, hydrology and environmental engineering

### Theme 4: AGRI and Animal Husbandry Startups

- Natural Animal Nutrition- Alternative value chain other than meat products in animals- Natural Plant Protection products
- Natural Products for Regulating Phytohormones to increase tolerance of crops towards climatic stress and disease attacks
- Technologies for Regenerative Agriculture and Carbon farming
- All other biodiversity friendly green technologies of startups/ideas towards sustainable Crop and Animal production

### Call for Abstracts/ Full Length Papers

Delegates may present their theoretical, conceptual, and empirical papers in the International Conference. The full-length paper should not exceed 6000 words. The abstract of the empirical paper is to be written within 250-300 words. It must mention the objective, hypothesis, method, result, and implication.

The abstract/full paper should be typed in English, MS Word, Times New Roman, 12 fonts with 1.0 line spacing. (Kindly Mention Name of the Theme in Abstract)

## ABSTRACT FORMAT

**Theme Name:**

**Title: Capital letter**

**HEMANTKUMAR JANGDE<sup>1</sup>, MANMOHAN SINGH BISEN<sup>2</sup>, YOGESH KUMAR SIDAR<sup>2</sup>**

<sup>1</sup>Department of Agronomy, Indira Gandhi Krishi Vishwavidyalaya, Raipur

<sup>2</sup>Department of Entomology, Indira Gandhi Krishi Vishwavidyalaya, Raipur

E-mail id: @gmail.com, @yahoo.com

**Abstract:** be typed in English, M S Word, Times New Roman, 12 fonts with 1.0 line spacing.

**Key Words:** 3 to 5

Besides invited papers covering key issue, there will be oral and poster presentations. The full length selected research/review papers/articles/ Book Chapters will be publishing in the following as:

(A) Conference Proceeding (ISBN): Full length article

(B) Reputed Journal (Regular/Special Issue):

All selected papers will be published in special issues and it will take 6 to 8 month's times

i. Journal of Experimental Biology and Agricultural Sciences. JEBAS is an International, open access, peer-reviewed, UGC-CARE and SCOPUS indexed journal (NAAS (5.02) (<https://www.jebas.org>))

ii. Journal of Postharvest Technology ([www.jpht.in](http://www.jpht.in)) Indexed in UGC-CARE, NAAS (3.69), DOAJ, etc

(C) Edited Book with ISBN: edited book published by an International publisher (Apple Academic Press, Inc.) with ISBN as a book chapter and it will take 8 to 10 month's times  
Proposed Books Title

i. Conservation Agriculture and Smart Mechanization to Protect Natural Resources

ii. Abiotic and Biotic Stress Management to Mitigate Climate Change Impacts

iii. Precision Nutrient Management, Organic Farming and Biodiversity Conservation

iv. Innovative Extension Systems for doubling farmers income

v. Last Mile Delivery of Agronomic Management Practices

vi. Applied Perspective in Crop Protection

vii. Innovations in Weed Management Science

### Conference Presentation Awards

- Best Oral Presentation Award (each technical session)
- Best Poster Presentation Award (each technical session)

### Poster Presentation

Poster should be include- Title, Name, Address, Introduction, Materials and methods, Results and Conclusion.

**Delegates are requested to kindly send the soft copies of their Abstracts, full length paper/articles and book chapters for publishing with duly fill registration form by mail to: [paasconference1@gmail.com](mailto:paasconference1@gmail.com), before 10, September 2020.**

## Conference Registration Fee (PAAS-2020)

Registration Fee			Full Length Paper Publishing Charges Rs. (Original)			
Participants Category	For Indian INR	Overseas Participants US\$	Book Chapters	Full Paper in Proceeding	Journal of Postharvest Technology	Journal of Experimental Biology and Agricultural Sciences
Delegates/Scientists/Academicians/Professionals	500/-	10 \$	600/- (10 \$)	1500/- (25 \$)	1500/- (25 \$)	5000/- (125 \$)
Students (UG PG, Ph.D.)	300/-	5 \$	500/- (10 \$)	1500/- (25 \$)	1500/- (25 \$)	5000/- (125 \$)

\*No any abstract will be published without registration in the conference.

\*All right reserved, \*\*\*Publication Fee should be pay after acceptance of research paper/Book chapters.

## Mode of Payment and Bank Details

Conference participation Fee can be paid by NEFT/IMPS/Net banking in favor of:

**Account Name:** Agricultural & Environmental Technology Development Society

**Bank Name:** Punjab National Bank

**Payable at:** Gallamandi, Rudrapur, Udham Singh Nagar, Uttaranchal, India

**A/C No:** 7724000100022340

**IFS Code:** PUNB0772400

**MICR Code:** 263024204



**7004942581 (entowajid@okicici)**

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## AETDS Society Awards and Honors

- Life Time Achievement Award
- Fellow Award/Eminent Scientist Award/Distinguished Scientist Award/Outstanding Scientist Award
- Scientist of the Year Award/Outstanding Achievement Award
- Best Veterinarian/Horticulturist/Agronomist/Entomologist/Plant Pathologist/ Plant Breeder/Forestry/Agroforestry Award/Soil and Water Conservationist Award
- Excellence in Extension Award/ Best Extension Scientist Award/ Best KVK Scientist Award
- Best Teacher/Excellence in Teaching Award
- Best Research Scholar Award
- Young Women Scientist Award
- Environmental Protection Research Award/Environmentalism Award
- Young Horticulturist/Agronomist/Biologist/Biotechnologist/Professional Award/Forestry/Agroforestry Award
- Young Scientist Award/ Young Achiever Award
- Young Scientist Associate Award
- Outstanding/ Best Dissertation Award/ Ph. D. Thesis Award
- Innovative Farmer/ Entrepreneur Award

(All interested delegates/researchers/academicians/farmers/students/Entrepreneurs are requested to send a soft copy of their bio-data with filled award nomination form send to Secretary, AETDS to Email: [paasconferencel@gmail.com](mailto:paasconferencel@gmail.com), before **10 September, 2020**. (Award Nomination Contribution INR 5000/- (100US \$)).

Prescribed award nomination form available on society web page ([www.agetds.com](http://www.agetds.com)).

### \*Note:

**The society has the full right to deciding the number of awards. Age limit below 38 years for young scientist, young fellow, young achiever, young teacher and young extension scientist award.**

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A man with dark, curly hair, wearing a blue button-down shirt, is smiling and looking down at two green tomatoes he is holding in his gloved hands. He is in a field of green plants, likely tomatoes. The background is a soft-focus green field. A diagonal blue and white graphic element separates the image from the text on the right.

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