

3rd International Conference
Global Initiatives in Agricultural, Forestry and Applied Sciences
(Theme: Food Security, Environmental Safety and Sustainable Development)
(GIAFAS-2021)

October 17-18, 2021

VENUE: Shri Guru Ram Rai University, Dehradun, Uttarakhand, India

HIGHLIGHTS OF THE CONFERENCE SESSIONS

- Technical Session having Lead, Oral and Poster Presentations
- Expert lectures from invited speakers
- Plenary & Concluding sessions
- Best Oral/Poster Presentation Award (each technical session)

Key Dates to Remember

Last date for receipt of abstracts: 10.09.2021
Communication of acceptance: 10.09.2021
Last date for registration: 10.09.2021
Application/Nominations for Award: 10.09.2021
Last Date for Submission of Full Length Papers: 25.09.2021
Last Date for Submission of Book Chapters: 25.09.2021

Contact us :

Dr. Wajid Hasan
(Chief Organizing Secretary)
+91 7004942581, 7677466479

Dr. Moinuddin
(Organizing Secretary)
+91 9415271415

Mr. Kota Chakrapani
(Co- Organizing Secretary)
+91 7005209574

Prof. C. P. Singh
(Executive Director)
+91 7055691943

Dr. Huma Naz
(Managing Chairman)
+91 9557697271

Dr. Sanjay Swami
(Organizing Convener)
+91 9419157291

Dr. Vipin Kumar Misra
(Managing Chairman)
+91 9863390517

Prof. Mirza Hasanuzzaman
(Associate Director)
+88 01716587711

Dr. Hrikesh Singh
(Executive Chairman)
+91 8630442375

Mr. Jitendra Singh Ranawat
(Co- Organizing Secretary)
+91 83868 78682

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Publication Partner

International Journal of Agricultural and Applied Sciences (IJAAS)
(ISSN 2582-8053) peer-reviewed, Indexed Journal, Free Open Access (<https://agetds.com/ijaas/>)

Biological Forum – An International Journal (BFIJ)
(ISSN NO. Print : 0975- 1130, (Online): 2249-3239) **NAAS Rating - 5.11**, (<https://www.researchtrend.net/bfij/bfij.php>)

International Archive of Applied Sciences and Technology [IAAST]
(E- ISSN: 2277-1565 PRINT ISSN : 0976-4828) **NAAS Rating - 4.35**, (<http://soeagra.com/iaast.html>)

Invitation

The agriculture is the mainstay of human survival on planet earth. And, that is only possible, unless we marinate agriculture with forest and other applied sciences in order to perch agriculture on a better scientific footing, so that food and environment and security become a reality coupled with sustainable development. Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, **India** is organizing **3rd International Conference on “Global Initiative in Agricultural, Forestry and Applied Sciences for Food Security, Environmental Safety and Sustainable Development (GIAFAS-2021)”** in collaboration with Shri Guru Ram Rai University, Dehradun, Uttarakhand, **India**; Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, **Bangladesh**; Soil and Water Research Institute (SWRI), Karaj, **Iran**; Department of Soil Science, Faculty of Agriculture, University of Çukurova, **Turkey**; Faculty of Agro-Based Industry, UMK, **Malaysia**; College of Horticulture and Gardening, Yangtze University, **China** and **Corteva agriscience** at Shri Guru Ram Rai University, Dehradun, Uttarakhand, India on **October 17-18, 2021**.

The Organizing Committee of the Conference takes this privilege to invite scientists, researchers, academicians of national and international repute, professionals, research scholars, NGOs, social and extension workers, students, corporate, entrepreneurs, farmers, and others who are actively involved in Research and Development practices related to agricultural and applied sciences. The major objective of the conference is to provide a unified global platform representing multiple disciplines to share and discuss their experiences, research findings, and developmental activities in agricultural and applied sciences align to development of agriculture with other complimentary disciplines.

ABOUT THE INTERNATIONAL CONFERENCE

Demographic pressure on limited natural resources has converted many of the past glorious land uses as no longer so useful, alongside the depleting finite natural resources. Such phenomenon is more rampant in the developing countries, resulting in ecological imbalance, a threat to the existence of life on planet earth, sounding an alarm bell for an institutional efforts and mass common man participation to address the conservation of natural resources linked food security towards common existence of Man and Nature. **3rd International Conference on “Global Initiative in Agricultural, Forestry and Applied Sciences for Food Security, Environmental Safety and Sustainable Development (GIAFAS-2021)”** has been designed to focus on various scientific tracks covering major areas of research on agriculture, biological and applied sciences. This Conference anticipates to bring together the global scientific community, policymakers, administrators, industry representatives, and other stakeholders for real brain storming on these glaring issues related to current crisis of global agriculture.

I. Presentations during Conference

Lead Paper Presentations

The presentation under this category would offer an insight into the various themes of the conference. A Technical Committee will identify 2 - 3 speakers in each theme. Each lecture will be of 15-20 minutes followed by discussion. Lead speakers of the congress will be requested to provide 3-4 pages extended summaries of their presentation for inclusion in the congress proceedings.

Contributory Paper Presentations

This section would provide an opportunity for oral presentation of research papers received/submitted for poster presentation. Limited number of papers will be selected by the committee for presentation based on importance of subject matter and its relevance to the sub-themes of the congress and speakers will be informed well in advance for making the presentation. The presentation will be of 7-8 minutes.

Poster Presentations

Separate 'Poster Sessions' covering all the themes will be organized to encourage wider interaction and information sharing. The extended summary contributed for presentation will be screened as per the theme. Each poster session will have Chairman and Co-Chairman. They will prepare and present summary of the concerned Poster Session for formulation of meaningful recommendations.

II. Exhibition and Advertisement

An exhibition will be organized at the venue. The details of the space available and charges etc. will be made available in the second circular and on the Society Website. Advertisement can be included in the conference publications.

III. Guidelines for Preparation of Extended Summary

- Extended Summary should not exceed 1000 words excluding illustration (one) and references. The title should be short, specific and phrased to identify the content of the article. Heading should be in capital letter. i Extended Summary should be typed in MS-Word, Times New Roman with normal fonts. Font's size for different parts of extended summary are Title - 14 points bold, Authors – 12 point, Institute name – 11 points italic, Content – 11 points.
- Kindly Mention Name of the Theme in **Extended Summary**
- It should include the author(s) name(s), email id and place of work including the name of the university / organization, State, PIN code and the country. In case, the present address of any of the author is different, it should be given with complete address as footnote. The extended summary should begin with brief introduction and objectives, followed by methodology, results, conclusion and references (maximum two) and illustration (one). Heading of Methodology, Results, Conclusion and References should be given in capital letters. No heading for introduction is required. The guidelines are also available at Society [webpage \(https://agetds.com/giafas-2021/\)](https://agetds.com/giafas-2021/)
<https://agetds.com/wp-content/uploads/2021/06/Sample-Abstract-GIAFAS-2021.docx>
- The extended summaries of all the contributory papers will be published and provided to the delegates as soft copy during the conference. These must reach the Organizing Secretary in the prescribed format latest by **10.09.2021**. Extended summary prepared without following the style and format and guidelines will not be accepted for publication. A soft copy of the extended summary prepared in MS-Word doc may be mailed to : gifas2021@gmail.com

MAJOR THEMES/SUBTHEMES AND TRACKS 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 a sustainable agricultural system
- Resent aspects in crop production technologies
- Organic Farming with residue-free production
- Production and Management of Sericulture, Apiculture, Forestry, Vermicomposting, Fishery, etc.
- Doubling the Farmers income through an 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 farmer's 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
- Role of E-Commerce in Agriculture
- Govt. Policies and planning for Sustainable Development of Agriculture
- Hi-tech Horticulture, Horticultural innovations, food processing, and value addition
- Aquaculture: present and future
- Innovation in agricultural engineering
- Agricultural marketing, Export, entrepreneurship 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: Agroforestry, Natural resource management, Food and Environmental Security

- Agroforestry and sustainable development
- Agroforestry technological innovations
- Agroforestry for environmental conservation, climate change adaptation and mitigation
- Agroforestry policies, implementation; and future approaches for enhanced impacts
- Natural Resources Management and their Conservation
- Climate change and global warming: Impacts, Policies, Planning, and Management
- Green technologies for sustain ability
- 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, Biosynthesis, mycoscience and metabolism
- Biotic and Abiotic Stress Management, Weather forecast
- Pharmaceutical Science, cell and molecular biology
- Infectious, a viral and parasitic disease
- Wellness, health and antibiotic resistance
- 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
- Natural Products for Regulating Phytohormones to increase tolerance of crops towards climatic stress and disease attacks
- Technologies for Regenerative Agriculture and Carbon farming

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. **International Journal of Agricultural and Applied Sciences (IJAAS)** (<https://agetds.com/ijaas/>)

ii. **Biological Forum – An International Journal (BFIJ)** NAAS Rating - 5.11,

(<https://www.researchtrend.net/bfij/bfij.php>)

iii. **International Archive of Applied Sciences & Technology (IAAST)** (NAAS (4.35)

(<http://soeagra.com/iaast.html>)

(C) **Edited Book with ISBN:** edited book published by an International publisher 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 Bio-diversity 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

Note:

1. No TA & DA will be paid to participants by AETDS Society

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

Conference Presentation Awards

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

Note: No need to apply, these awards decided by session chairman during conference

Participants will submit extended summary of their research paper before the last date. These extended summaries will be scrutinized for poster presentations and authors will be communicated for preparation of manuscripts accordingly. All modern facilities of public address system and projection system are available. Guidelines for preparation of extended summary are given separately in the circular. All updates are available at the website www.agetds.com

Poster Presentation

Size: 24"x36" 1x1.2 m. Font Size: Title- 86pt, Authors-50pt, Sub heading-36pt, Text-24 pt, Caption-18pt

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: gifas2021@gmail.com, **before 10, September 2021.**

Conference Registration Form

<https://agetds.com/wp-content/uploads/2021/06/Registration-Form-GIAFAS-2021.docx>

Conference Registration (GIFAS-2021)

Registration Contribution (Before 10 September, 2021) On spot registration will be extra charges (Rs. 500)				Article Processing Contribution			
Participants Category	AETDS Member INR	Non-AETDS Member INR	Overseas Participants US \$	IJAAS*	BFIJ**	IAAST***	Book Chapters
Delegates/Scientists/RA,SRF Academicians/Professionals	2000/-	2500/-	50 \$	Free	4500/- (75 \$)	2500/- (50 \$)	800/- (10 \$)
Students (UG PG, Ph.D.)	1200/-	1500/-	30 \$	Free	4500/- (75 \$)	2500/- (50 \$)	800/- (10 \$)

Accompanying Person Contribution = 1000/- *All Fees are Non-Refundable.
 *** **Registration contribution include working Breakfast, lunch and registration kit only.**
 *International Journal of Agricultural and Applied Sciences (IJAAS).
 **Biological Forum – An International Journal (BFIJ).
 ***International Archive of Applied Sciences & Technology (IAAST).
 *No any abstract will be published without registration in the conference***Paper will be accepted after peer review process.**
 *All right reserved, ***Publication Fee should be pay after acceptance of research paper/Book chapters.

Advertisement and Sponsorship Publication Details

Advertisement details	
Ads Specification for souvenir	Fee (INR)
Front Cover Inside (Color)	40,000
Back Cover Inside (Color)	30,000
Full Page (Color)	25,000
Full Page (Black/ White)	15,000

Sponsorship Details	
Category	Fee (INR)
Platinum	1,50,000/-
Gold	1,00,000/-
Silver	75,000/-

Mode of Payment and Bank Details

Conference Registration Contribution can be paid by Cash/NEFT/IMPS/Net banking in favor of the following:

 Pay **7004942581 (entowajid@okicici)**  **7677466479**

 **PayPal** <https://www.paypal.me/aetds> (entowajid@gmail.com)

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

Bank Name: **Punjab National Bank**

Payable at: **Galla Mandi, Rudrapur, Uttarakhand, India**

A/C No: **7724000100022340**

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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/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**
- **Young Scientist Award/ Young Achiever Award**
- **Young Scientist Associate Award**
- **Outstanding/ Best Dissertation Award/ Ph. D. Thesis Award**
- **Innovative Farmer/ Entrepreneur Award**
- **Global Scientist Award (Screening Based on Google Citation Score, 3 Awards in each category (Research Scholar, Assistant Professor, Associate Professor, Professor))**
- **Student Academic Excellence Award (Bachelor and Master Degree Final Year students, those securing Minimum 8.0 CGPA/GPA)**

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: gifas2021@gmail.com, before **10 September, 2021**. (Award Nomination Contribution INR 5000/- (100US \$)).

Prescribed award nomination form available on society web page (www.agetds.com).

<https://agetds.com/wp-content/uploads/2021/06/Award-Nomination-Form-GIAFAS-2021.docx>

***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.

Accommodation Details

Accommodation will be arranged for the participants in the hotels at Dehradun near the conference venue on prior request and pre-payment basis as given below and no spot accommodation will be provided on conference days.

Weather of Dehradun in October

October, the first month of the post monsoon autumn, in Dehradun, is still a warm month, with temperature in the range of an average high of 28.5°C (83.3°F) and an average low of 15.7°C (60.3°F).

The Shri Guru Ram Rai University campus is centrally located and is very near to Railway Station and Bus stand. Local transport facility is readily available around the campus.

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- Rupali Kaushik, Tula's Institute Dehradun

Attraction of Dehradun



Tapkeshwar Temple



F.R.I.



Robber's Cave



Sahastradhara

Attraction of Haridwar (50 km from Dehradun)



Har Ki Pauri



Paramarth

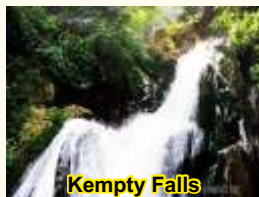


Jain Mandir



Ganga Aarti in Haridwar

Attraction of Mussoorie (30 km from Dehradun)



Kempty Falls



Shedup Choepelling



Mussoorie View



Mussoorie View

Attraction of Rishikesh (20 km from Haridwar)



Trayambakeshwar Temple



Neer Garh Waterfalls

Gangotri 240 km, Yamunotri 180 km from Dehradun



Gomukh



Yamunotri

Attraction of Badrinath (330 km from Dehradun)



Badrinath Temple



Sheshnaag lake

Attraction of Kedarnath (250 km from Dehradun)



Kedarnath Temple



Sonprayag

Attraction of Jim Corbett National Park (130 km from Dehradun)



Conference Venue & Accessibility



By Railways:

Dehradun is connected by regular train services to cities Delhi, Lucknow, Allahabad, Mumbai, Kolkata, Ujjain, Chennai and Varanasi. The Dehradun Railway Station is located 1-2 kilometers away from the city centre and should take you only ten minutes, depending on traffic. Dehradun is connected to the rest of the country by trains such as the Shatabdi Express, Jan Shatabdi Express, Dehradun AC Express, Doon Express, Bandra Express and the Amritsar-Dehradun Express among others.



By Bus:

Dehradun is well connected to most cities such as Delhi, Shimla, Haridwar, Rishikesh, Agra and Mussoorie by Volvo, Deluxe, semi-deluxe and Uttarakhand State Transport buses. These buses arrive and depart from the Dehradun Inter State Bus Terminal (ISBT) near Clement Town. Buses depart from here every 15 minutes to one hour. Other bus terminals in Dehradun are the Mussoorie Bus Station, located at the Dehradun Railway Station which has regular bus services to Mussoorie and other nearby cities. Another interstate bus terminal in Dehradun is the Delhi Bus Stand on Gandhi Road.



By Air:

Dehradun's airport is the Jolly Grant Airport, which is located 20 km away from the city centre. Air India, Jet Airways, Jet Konnect and Spice Jet have regular flights to Dehradun. You can hire a taxi from the airport to reach the city, which should take you 40 to 45 minutes depending upon traffic.