

International Conference Global Perspective in Agricultural and Applied Sciences for Food and Environmental Security (GAAFES-2019)

Decmeber 1-2, 2019

VENUE: UGC-HRDC Hall, Kumaun University, Nainital, Uttarakhand, India



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Important Dates

Last date for receipt of abstracts:	25.10.2019
Communication of acceptance:	25.10.2019
Last date for registration:	25.10.2019
Applications/Nominations for Award:	20.10.2019
Last Date for Submission of Papers/ Book Chapters:	30.10.2019
Communication of acceptance of Papers/ Book Chapters:	30.11.2019

Email: gaafesconference@gmail.com, **Website:** www.agetds.com

ORGANIZED BY



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

CO-ORGANIZED BY



Department of Geography,
D. S. B. Campus, Kumaun University,
Nainital, Uttarakhand, India

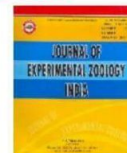


Faculty of Agriculture (FOA),
Agriculture and Forestry University,
Chitwan, Nepal

Colaboration With:



National Gladiolus Trust (NGT)
Jammu, J&K, India



Invitation

We feel great pleasure to inform you that **Agricultural & Environmental Technology Development Society (AETDS), U.S. Nagar, Uttarakhand, India** is organizing an International Conference on “**Global Perspective in Agricultural and Applied Sciences for Food and Environmental Security (GAAFES-2019)**” in collaboration with **Department of Geography, Kumaun University, Nainital, Uttarakhand, India and Agriculture and Forestry University (AFU), Chitwan, Nepal on December 1-2, 2019 at UGC-HRDC Hall, Kumaun University, Nainital, Uttarakhand, India.** The organizing committee of the conference invites scientists, academicians of National and International levels, professionals, research scholars, NGOs, social and extension workers, students, corporatist, entrepreneurs, farmers and others who are actively involved in practices and research area 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 agricultural and all applied sciences which will boost their knowledge and experience in the concern 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 threat to the existence of life on earth. Therefore there is a great need of institutional efforts as well as people participation to address the conservation of natural resources for food security and existence of life on earth. The International Conference on “**Global Perspective in Agricultural and Applied Sciences for Food and Environmental Security (GAAFES-2019)**” 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 Global scientific community, policy makers, administrators, industry representatives and other stake holders 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 the 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 institutes.

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 a autonomous research and educational organization registered under society registration act 21, 1860 bearing the registration no UK06708052019001367. AETDS is mainly engaged in 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 environment. AETDS is organizing workshop and training program, symposium on different burning and challenging issue at National and International level. 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, Medical Science, Social Sciences, Biological and Physical 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.

KUMAUN UNIVERSITY, NAINITAL, UTTARAKHAND, INDIA

Kumaun University has been awarded four stars status by the National Assessment and Accreditation Council (NAAC). Kumaun University is an ISO 9001-2008 certified institution, which follows International Quality Management System. Established in 1973, Kumaun University consists of three campuses at Almora, Nainital and Bhimtal; 35 affiliated government colleges; and almost equal number of affiliated self-financed private institutions spread across the Kumaun region. The total area covered by the university thus far is an impressive 160 acres. The beautifully designed colleges blend in perfectly with the surrounding architecture and complete the breath taking scenery. In order to cater the technical, professional and vocational education, another campus of the University is being developed at Bhimtal. Special emphasis is placed by Kumaun University to uphold the motto of excellent teaching and high quality research. In the residential and affiliated campuses, both teaching and research activities are equally important factors that support the curriculum and contribute to the student's learning habits.

AGRICULTURE AND FORESTRY UNIVERSITY (AFU), CHITWAN, NEPAL

The Agriculture and Forestry University (AFU) was established in Rampur, Chitwan, Nepal in 2010 which is the first technical university in the country. The university aims at producing highly skilled human resources required to work on quality research and development in agriculture. It aims at all round development of agriculture, livestock, aquaculture and forestry which would raise the socio-economic conditions of rural people through quality teaching, research and extension. The mission of Agriculture and Forestry University is to produce competent manpower to promote education, research and development in agriculture, veterinary, fisheries, forestry and allied disciplines. This university was founded merging Rampur Campus, Institute of Agriculture and Animal Science (IAAS) and Forestry Campus, Hetauda of the Institute of Forestry of Tribhuvan University of Nepal. AFU has started College of Natural Resource Management, a constituent college at Purunchaur Kaski, Pokhara on 2016. In the academic year 2017/18 we are establishing College of Natural Resource Management, Marin Kapilakot, Sindhuli. Huge attraction is there to study Agriculture in Nepal. Improving society's awareness on the role of agriculture in our daily lives can greatly improve the image of the sector in general and therefore the amount of students choosing this particular field of study is increasing every year.

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, 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: 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: Recent advances in Physical, Mathematical, Information, Chemical Sciences, Engineering and technology

- Inorganic and organic chemistry- recent trends
- Nuclear and Astrophysics
- Applied aspects and recent trends in physics, chemistry and mechanical engineering
- Geometrical theory, mathematical visualization, group theory and probability
- Laser technology-applications, thin film and astrophysics
- Electronic, functional and photonic materials
- X-ray and solid state chemistry
- Bioorganic and synthetic chemistry
- Computer science, computer vision, data encryption, cloud computing and security issues
- Algebraic geometry, Number theory and coding theory
- Predictive and multilevel modeling in healthcare disparities
- Importance of IT in LIIs education
- E-resources, Plagiarism, collection development and Information Technology
- Socio-ecological perspectives, Landscape pattern, Heterogeneity change for ecological goods and services

Conference Session

- Conference session will be held for two days and Educational visit tour
- Expert lectures from invited speakers, Interactive sessions and share the knowledge from relevant experts for professionals, farmers & students
- Technical sessions for Lead, Oral & Poster Presentations
- Plenary & concluding sessions

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, M S 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 JANGDE¹, MANMOHAN SINGH BISEN², YOGESH KUMAR SIDAR²

¹Department of Agronomy, Indira Gandhi Krishi vishwavidyalaya, Raipur

²Department 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) Reputed Journal (Special Issue):

All selected papers will be published in special issues and it will take 3 to 4 month's times

- **Journal of Experimental Zoology, India (NAAS Rating 5.51, UGC Listed Journal): All selected papers will be published in special issues and it will take 3 to 4 month's times**

(Abbreviation: *J. Exp. Zool. India*)

An International Journal published biannually in January and July each year (ISSN 0972-0030)

Author Guidelines:

<http://www.connectjournals.com/jez>

- (B) Edited Book with ISBN:** edited book published by an International publisher with ISBN as a book chapter in conference proceeding form and **it will take 6 to 8 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

Conference Presentation Awards

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

Poster Presentation

Size: 24"x36" 1×1.2 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: gaafesconference@gmail.com, before 25, October 2019.

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
3. All selected papers will be published in special issues and it will take 3 to 4 month's times

Conference Registration Fee (GAAFES-2019)

Registration Fee (Before 1 November, 2019) On spot registration will be extra charges (Rs. 500)				Full Length Paper Publishing Charges Rs. (Optional)	
Participants Category	AETDS Member INR	Non-AETDS Member INR	Foreign Delegates US\$	Journal of Experimental Zoology, India	Book Chapters with ISBN By International Publisher
Delegates/Scientists/Academicians/ Professionals/ Corporate	1500/-	2000/-	40 \$	2,500/-	500/-
RA/SRF/JRF/PDF	1200/-	1500/-	30 \$	2,500/-	500/-
Students (UG, PG, Ph.D.)	1000/-	1200/-	20 \$	2,500/-	500/-
Accompanying Person = 800/- (Registration fee include working Breakfast, lunch and registration kit only)					
* All selected papers will be published in special issues and it will take 3 to 4 month's times.					
** All right reserved , *** Publication Fee should be pay after acceptance of research paper					
*No any paper will be published without registration					

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
Half Page (Color)	15,000
Full Page (Black/ White)	10,000
Half Page (Black/ White)	7,000

Sponsorship Details	
Category	Fee (INR)
Platinum	1,50,000/-
Gold	1,00,000/-
Silver	75,000/-
Bronze	30,000/-

Mode of Payment and Bank Details

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

Account Name: **Agricultural & Environmental Technology Development Society**
 Bank Name: **Punjab National Bank**
 Payable at: **Udham Singh Nagar, Uttaranchal, India**
 A/C No: **7724000100022340**
 IFS Code: **PUNB0772400**
 MICR Code: **263024204**

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 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/ Environmentalist Award
- Excellence in Medical Research 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

(All interested delegates/researchers/academicians/farmers/students/Entrepreneurs are requested to send a soft copy of their bio-data with filled award nomination form before 20 October, 2019 to Secretary, AETDS to Email: gaafesconference@gmail.com.

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

***Note:** Lifetime membership fee is mandatory for award (Delegates/ Scientist/ Academicians/ Professionals/RA/SRF/ PDF: Rs. 4000/- only and Research Scholar/ Graduate Students: Rs. 3000/- only).

[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)

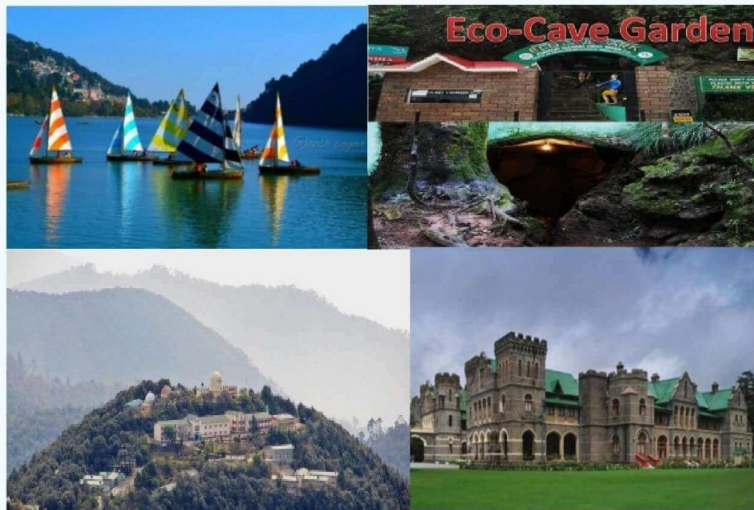
Accommodation Details

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

Accommodation Category	Charges Rs. (Single non-sharing)	Charges Rs. (Double sharing basis)
Basic Hotel	1000/-	2000/-
Deluxe Hotel	3000/-	4000/-
Super Deluxe Hotel	6000/-	8000/-

Attractions of Nainital

1. **Lake:** Amidst seven mountains touching the sky, the heart of the place is a ravishing lake showering its beauty with pristine and stagnant water.
2. **High Altitude Nainital Zoo:** Govind Ballabh Pant high altitude zoo is situated around 2km from the bus station. The zoo is set at an elevation of 2100mts above sea level providing high altitude animals a sufficient and habitat like environment.
3. **Maa Naina Devi Temple:** The deity of the temple is Maa Naina Devi represented by two eyes. The temple was destroyed by the drastic landslide of 1880, and was later rebuilt because the temple was of great importance amongst locals.
4. **Tiffin Top (Dorothy's Seat):** Four kilometers to the west of the lake lays Dorothy seat, also known as Tiffin Top. Here a seat was built by an Englishman named Kellet in the memory of his wife, who was killed in an air crash.
5. **Aries:** Located around one kilometer from Hanuman Garhi on the top of a ridge is the State Observatory.
6. **The Mall Road:** The Mall is Nainital popular promenade and the centre of frenetic activity especially in the late afternoons.
7. **Eco Cave Garden:** Eco Cave Garden is located one kilometre above Mallital near Kumaun University Campus.
8. **Snow View Point:** This popular vantage point, situated at 2,270 meters above sea level, offers an excellent view of the northern Himalayan ranges.
9. **Governor House Nainital :** known as Rajbhawan, Governor House Nainital is a British era building which is the one of the most praised tourist attractions of Nainital.



Conference Venue & Accessibility

Weather of Nainital in December

Nainital is a Lake city temperature was 26°C/10°C in 1st December 2018. Mid-December to mid-February are the coldest months in Nainital. Since Nainital is located at an average elevation of 2084 m, it almost has a lovely weather all through the year and even the cold doesn't make weather disagreeable.

How to Reach UGC-HRDC (1st-2nd December 2019)

Nainital is well-connected by rail-cum-road from all the major towns of the country. It is located at the distance of about 325 km from Delhi and about 380 km from Lucknow. The twin township of Kathgodam-Haldwani is the last rail-head en route to Nainital. The distance between Haldwani/Kathgodam and Nainital is 40/35 km.

(In case of **Late arrival** at HRDC Hermitage for programme inform **Dr. P.C. Chanyal** 09690659365)



By Railways:

Kathgodam, 35 km away, is the nearest railway terminus of the broad gauge line of North East Railways connecting Nainital with Delhi, Dehradun and Howarah. Lalkuan, 60 Kms from Nainital, is connected to Bareilly, Mathura & Lucknow. A computerized railway reservation counter is situated near the Bus Stand, Tallital and High Court Campus, Mallital at Nainital. This facility is also available at Kathgodam, Haldwani & Lalkuan railway stations. For more details, please visit www.indianrail.gov.in or www.irc.co.in List of Trains



By Roadways:

The U.K.S.R.T.C. (Uttarakhand State Roadways Transport Corporation) runs direct buses to Nainital from Delhi, Lucknow and other major cities. There are many Private Tour Operators who provide good and comfortable buses to Nainital from New Delhi. Besides these, Harayana Roadways, Rajasthan Roadways & the DTC (Delhi Transport Corp.) also operate direct buses to Nainital. It takes around 8 hrs to reach Nainital from New Delhi by bus via National Highway No. 87.

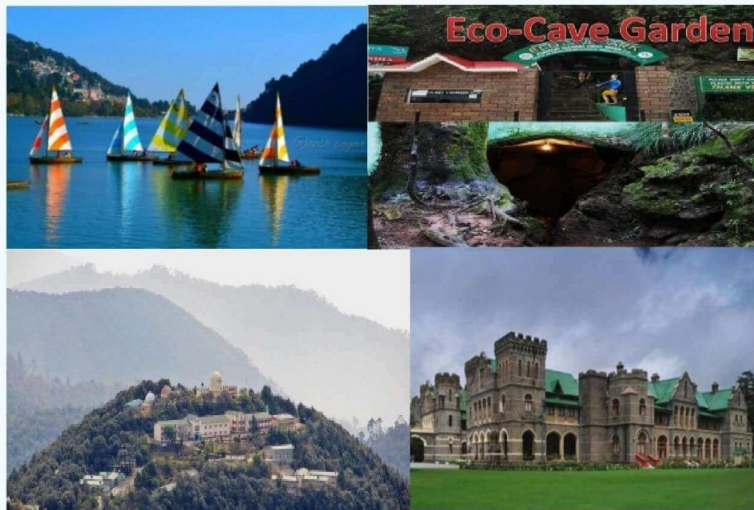


Local Taxi or Bus:

Taxi or Bus are available from Kathgodam or Haldwani. Taxis are available on shared seat basis at Haldwani Taxi Stand and at Kathgodam, Haldwani & Lalkuan railway stations. Most of the buses start from Haldwani Roadways Bus Stand.

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- Prof. P. C. Tiwari, Kumaun University, Nainital

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- Dr. Bishnu Prasad Bhattarai, HICAST, Kathmandu, Nepal
- Prof. R. C. Joshi, Kumaun University, Nainital
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- Dr. Prabhat Tiwari, RLBCAU, Jhansi, UP
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