

## ONLINE-INTERNATIONAL CONFERENCE

On

# “Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change: Sustainable Approaches” (AFHAFBC-2021)

Organized by:

“Krishi Sanskriti” New Delhi

On

01<sup>st</sup> August, 2021

- All the sessions will be conducted in “Online Mode”.
- All the participants will be provided a web link for joining with detailed schedule before the Conference.
- E Certificates and online publication links will be sent to the participants through emails.

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### CALL FOR PAPERS AND CONFERENCE

#### THEMES:

The aim and objective of **Online-International Conference “Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change: Sustainable Approaches”** is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change: Sustainable Approaches. The Organizer cordially invites abstracts and full length research papers for **AFHAFBC-2021** which is the premier forum for the presentation of sustainable approaches in the fields of theoretical, experimental results in the field of Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change issues. The conference will bring together leading researchers, entrepreneurs and academicians in the domain of interest from around the world. Topics of interest for submission include various subthemes, but are not limited to the conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among scholars. Contributions are invited from prospective authors from related areas. All contribution should be of high quality, original and not published elsewhere or submitted for publication. During the review period, papers will be reviewed by eminent scholars in the respective areas. All selected papers will be published in International Journal having ISSN No. in online version and that will be released on the day of conference.

#### THEMES:

##### *Agricultural Sciences:*

- Advanced Machine Systems
- Agri ecology & organic agriculture
- Agricultural Biotechnology
- Agricultural Biotechnology regulations, rules & Perceptions,
- Agricultural buildings
- Agricultural Ergonomics
- Agricultural fossil fuel use and rising energy costs,
- Agricultural land availability and ‘peak food’,
- Agricultural pollutions and its control techniques,
- Agricultural Production
- Agricultural systems
- Agricultural waste management
- Agriculture and rural development
- Agriculture biology and plant protection
- Agriculture Economics and Agribusiness Management
- Agriculture Extension and Organizational management
- Agriculture for Sustainable Development,
- Agriculture mechanization and postharvest Technology
- Agro industry start-ups
- Agro-industry
- Agronomy and Crop Sciences
- Animal biotechnology,
- Animal Production, health and Hygiene
- Application of Nano-Technologies in Agriculture,
- Aquaculture and Biosystems Research
- Biodiversity and Agro biodiversity

- Biological natural resource engineering
- Bio-machine systems
- Cell and tissue engineering,
- Cellular and molecular biology,
- Climate change and Agriculture
- Computational Methods and Statistic for Agriculture
- Crop breeding, genetics & genomics,
- Crop sciences
- Domestic animal breeding, genomics & biotechnology,
- Emerging technologies in Agriculture and Livestock
- Energy in agriculture
- Energy, alternative energy and waste Resource management
- Farmland preservation,
- Fertilizers & chemicals
- Field crops
- Financing credits and agricultural subsidies
- Gene regulation and Gene expression databases,
- Geo-informatics in Agriculture
- Green Agriculture
- Hi-tech technologies
- Horticulture and Landscape Architecture
- Impact of Agriculture on Climate Change,
- Industry Transformation - Case Studies
- Information Technology, Automation and Precision Farming
- Intensive growing methods
- Interaction between agricultural production and retailing
- International training and cooperation
- Irrigation & water management
- Large scale and global agribusiness: efficiencies, offerings and deficiencies,
- Logistics of agricultural production
- Nanotechnology and Nano-agriculture
- Nanotechnology in agriculture
- Natural Resources & Sustainable Agriculture,
- Organic Farming and Sustainable livelihood,
- Pharmaceutical Biotechnology,
- Planning and fleet management
- Plant biotechnology,
- Plant design using conceptual design techniques,
- Plant protection
- Plants, seeds & propagation materials
- Post harvest treatment
- Precise agriculture
- Precision farming and variable rate technology
- Principles and practices of sustainable agriculture in new green revolution,
- Prospects of Agro based Renewable Energy,

- Renewable energy in agriculture
- Research & development
- RNA and DNA structure and sequencing,
- Robotics and new technologies
- Role of agro-biotech innovation for national and international competitiveness,
- Rural development
- Seed, fruit & reproductive plant biotechnology,
- Selection and improvement of plants and animals
- Significance of Carbon credit in modern Agriculture,
- Software & hardware
- Soil and agricultural issues,
- Soil and water engineering
- Soil sciences
- Soil, water and Management
- Structures and environment
- Sustainable Agriculture,
- Terramechanics
- Turnkey, joint projects and know-how
- Urban agriculture,
- Water Engineering in Agriculture,
- Watershed design for water quality protection
- Weed control and crop protection

#### *Forestry:*

- Basic Theories
- Deforestation
- Economic Forest
- Emerging issues in precision agriculture and forestry
- Forest Economics
- Forest Genetics and Tree Breeding
- Forest Management
- Forest Protection and Statistics
- Forestry and Agro forestry
- Forestry Engineering
- Global warming on conservation/management of forestry Insects
- Shelterbelts
- Silviculture
- Wildlife Protection and Management

#### *Horticulture*

- Fruit growing
- Fruits & citrus
- Greenhouses & horticulture
- Vegetable growing
- Viticulture and Oenology

#### *Aquaculture:*

- Advanced Aquaculture Technology Systems
- Aquaculture Engineering
- Aquaculture Management Systems
- Aquaculture Marketing and Business

- Aquaculture Industry Transformation - Case Studies
- Aquaculture Production
- Aquaculture Production and Food Safety
- Aquaculture Waste Management
- Biofloc Technology
- Biosecurity in Aquaculture
- Biotechnology for Aquaculture
- Disease Control in Aquaculture
- Ecological Engineering for Aquaculture
- Feed and Management Technology
- Food Safety in Aquaculture
- GPS and GIS technologies for Aquaculture
- Integrated Multi Tropical Aquaculture
- Larvae Culture
- Life Transport Technology
- Live Feed Culture
- Organic Aquaculture
- Post Harvest Technology of Aquaculture Products
- Traceability of Aquaculture Source Foods

#### *Animal Science:*

- Animal Agriculture in the Globe
- Animal Health & Welfare
- Animal Protein and fibre products
- Biotechnology in veterinary medicine
- Clinical sciences
- Cutting Edge Science for Future Animal Agriculture
- Emerging public concerns with animal agriculture
- Environmental constraints to animal agriculture
- Fundamental sciences
- Genetics and breeding
- Global warming on management of medical and veterinary Insects
- Livestock Biotechnology
- Livestock building design for animal welfare and health
- Livestock Production
- Livestock, dairy farming & small ruminants
- Mammary development and lactation - a vision for functional genomics
- Meat and allied industries
- Poultry farming
- Public health and animal production
- Reproduction, physiology, anatomy
- Research for improved animal fibre products
- Technologies of animal husbandry
- Technologies of the agro food products processing
- The post-genomic future for genetic selection of livestock
- Traceability of animal source foods
- Veterinary & feeding system
- Veterinary education

- Wild life management, fishery and aquaculture

#### *Food & Nutrition Sciences:*

- Agro economical studies and Food processing purposes
- Amino acids and nitrogenous compounds,
- Antioxidants and photochemical,
- Application of artificial intelligence in food engineering research and in industry,
- Beverage and Fermentation Technology,
- Biocatalysis, organocatalysis and nanobiotechnology,
- Biomedical Computational drug discovery,
- Bio-MEMS and microbioreactors,
- Biomimetic and self-assembled materials,
- Biosensors and molecular diagnostics,
- Campus food issues and organizations,
- Carbohydrate, Protine and Lipid,
- Childcare provider feeding practices and nutritional socialization,
- Children's nutritional knowledge and reasoning
- Clinical and physiological techniques
- Community food security and Sustainable food communities.
- Control and system engineering for food industry
- Diet-related diseases
- Diet-related diseases and Enzyme Engineering.
- Diversion of foods into bio fuels.
- Drug screening and pharmaceutical synthesis
- Employment, rural quality of life, prices, import-export, commodity exchange markets, licensed warehousing and cluster analysis in food and agriculture
- Environmental Biotechnology, Food& dairy agricultural biotechnology.
- Food bioavailability
- Food biotechnology
- Food Engineering and biotechnology
- Food fortification and supplementation
- Food information and consumer education
- Food properties including thermal, chemical and mechanical properties
- Food safety and Bio-process engineering
- Food safety and traceability technologies, national legal infrastructure and food inspection system
- Food safety, hygiene and Flavours
- Food Science and Technology
- Food security and Food systems
- Food supply transportation and storage, and monitorin the food cold chain
- Food Texture and Rheology
- Functional foods, nutrition, nutraceuticals & bioactives

- Genetically modified foods vis-a-vis Organic foods.
- Grazing' and 'snacking' as a social and nutritional practice
- Heat, mass transfer and fluid flow in food processing
- Home meals, fast food and supermarket 'home meal replacements
- Implications of transitions with growing affluence from grains, legumes and pulses, to meat and dairy.
- Industrial Biotechnology
- Infant feeding
- Information technologies in food and agriculture
- Laboratory and automation application in food beverage, biotechnology and nutraceutical technologies
- Macronutrients/ Micronutrients
- Marine & algal biotechnology
- Mathematical modelling and software development for
- Microorganism technology in food industry
- Minerals and trace elements
- Molecular gastronomy
- Nanoparticles, nanocomposites, and nanoporous materials for bio-applications
- New strategies in food packaging
- Non-thermal food processing
- Nutrition and health of the public
- Nutrition for people with special needs
- Nutrition policy
- Nutritional status of various ages
- Physiology and endocrinology
- Protein and gene delivery systems
- Proximate composition
- Recent product and process developments nanotechnologies in food and agriculture
- Reproduction and lactation
- Ruminant nutrition and Non-ruminant nutrition
- School lunch reform and midday meal schemes.
- Separation and purification processes for food production
- Socioeconomic status
- Sports nutrition
- Urbanization, population growth and the global food supply
- Waste management in food production and environmental sustainability

### ***Biodiversity:***

- Conservation of Biodiversity and Sustainable use of Medicinal Plants
- Awareness, Best Practices, and Ad Hoc
- Climate change and Plants Reservation
- Ecosystem Services and Biodiversity

- Eco-Theology and Plant Ethics
- Education and Capacity Building
- Global warming on agricultural Insects and food security for rural population
- Global warming on biotechnological advancement on insects
- Global warming on insect migration and biodiversity conservation
- Global warming on malaria, dengue and filariasis and human
- Global warming on marine ecosystem and aquatic sustainability
- Global warming on pesticide toxicity and including novel and nano- insecticides
- Global warming on Taxonomical implications on the biodiversity of species
- Global warming on wetland ecosystem management and pollution control
- Herbarium, Museums and Botanic Gardens
- In-Situ and Ex-Situ Conservation
- Invasive Species
- Protected and Reserved Areas, IPAS
- Scientific Research and Development
- Social Media and Information
- Taxonomy and Wild Plant Biology

### ***Climate Change and Environmental Engineering:***

- A Changing Relationship
- Cities and Climate Change: Issues of Preparedness, Adaptability and Management
- Development and Disaster Management: Adaption and Mitigation
- Development and Rivers
- Development, Biodiversity and Eco-system Services
- Displacement, Resettlement and Rehabilitation
- Environmental Impact Assessment: Success and Failure
- Environmental Legislation and Enforcement: Lessons Learnt
- Ethno-botanical Traditional Knowledge in Changing Environmental Conditions
- Food Security, Poverty, Inequality and Marginalization
- Green Economy and Sustainable Development
- Gross Domestic Product v/s Gross National Happiness
- Impact of Climate Change on Traditional Agricultural Practices
- Socio-ecological & Human Dimensions of Development
- Advanced treatment of water and secondary effluents (membranes, adsorption, ion exchange, oxidation etc)

- Advances in biological, physical and chemical processes
- Aesthetic quality of drinking water (taste, odors)
- Air emission trading
- Atmospheric modelling and numerical prediction
- Atmospheric physics
- Bio-engineering
- Carbon capture and storage
- Clean technologies
- Climate and climatic changes
- Control technologies
- Disinfection and disinfection by- products
- Ecological Engineering
- Economic instruments
- Eco-technology
- Effect of distribution systems on potable water quality
- Emission sources
- Geophysics
- GPS and GIS technologies
- Ground water management
- Habitat reconstruction
- Health and the Environment
- Health related organisms
- Hydrology
- Industrial wastewater treatment
- Institutional development
- Integrated ecosystems management
- Interaction between pollutants
- Life cycle analysis
- Management and regulation of point and diffuse pollution
- Management of water treatment residuals
- Meteorology
- Modelling and decision support tools
- Monitoring and analysis of environmental contaminant
- On site and small scale systems
- Optimization of collection systems
- Ozone layer depletion
- Physical oceanography
- Process modelling
- Public participation
- Regulatory practice, water quality objectives standard setting, water quality classification
- Renewable sources of energy-energy savings
- Resource management
- Satellite applications in the environment
- Soil decontamination
- Suspended and fixed film biological processes
- Sustainable cities
- Toxicity assessment and epidemiological studies

- Transboundary cooperation
- Water resources and river basin management

### *Global environmental change and ecosystems management*

- Biofuels
- Carbon capture and storage
- Climate and climatic changes
- Global warming
- Integrated ecosystems management
- Ozone layer depletion
- Satellite applications in the environment

### *Environmental restoration and ecological engineering*

- Biodiversity conservation
- Bio-engineering
- Deforestation
- Eco-technology
- Ground water remediation
- Habitat reconstruction
- Landscape degradation and restoration
- Soil decontamination
- Wetlands

### *Environmental sustainability*

- Clean technologies
- Environmental systems approach
- Life cycle analysis
- Renewable sources of energy-energy savings
- Resource management
- Sustainable cities

### *Health and the Environment*

- Biodegradation of hazardous substances
- Hazardous substances and detection techniques
- Health related organisms
- Indoor air pollution
- Quality guidelines, environmental regulation and monitoring
- Toxicity assessment and epidemiological studies

### *Wastewater and sludge treatment*

- Advances in biological, physical and chemical processes
- Anaerobic treatment
- Fate of hazardous substances
- Nutrients removal
- On site and small scale systems
- Process modeling
- Sludge treatment and reuse
- Storm-water management
- Suspended and fixed film biological processes

### *Air pollution and control*

- Air emission trading

- Atmospheric modelling and numerical prediction
- Control technologies

- Emission sources
- Interaction between pollutants

#### ***Solid waste management***

- Leachate treatment
- Legal, economic and managerial aspects of solid waste management
- Management of hazardous solid waste
- Optimization of collection systems
- Soil depletion, exhaustion, erosion and fertilizers; and remedies
- Technical aspects of treatment and disposal methods (landfilling, thermal treatment etc)
- Waste valorization

#### ***Water treatment and reclamation***

- Advanced treatment of water and secondary effluents (membranes, adsorption, ion exchange, oxidation etc)
- Aesthetic quality of drinking water (taste, odors)
- Disinfection and disinfection by-products
- Effect of distribution systems on potable water quality

#### ***Environmental dynamics***

- Atmospheric physics
- Ecological Risk Assessment
- Environmental Friendly Materials
- Environmental impact assessment
- Impact of Food Security Bill – India
- Legislation and Forecasting
- Modeling, Simulation and Optimization
- Natural resources management
- Renewable energy sources
- Role of GIS application in Land use & land cover change
- Sustainable Tourism
- Technical aspects of Treatment and Disposal Methods
- The environmental impact of seafood farms

#### ***Land Reclamation, Earth Observation & Surveying***

- Disaster management
- Earth observation and geographic information systems
- Sustainable development of rural area
- Topography and cadastre

#### ***Management and Engineering in Rural Areas***

- Production economics
- Farm management and agromarketing
- Agricultural policies

- Agr iBusiness and agricultural extension
- Agritourism and rural development
- Environmental economics

#### **IMPORTANT DATES:**

##### ***Abstract submission:***

Abstracts not exceeding 250-300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at [newdelhi.conference4@gmail.com](mailto:newdelhi.conference4@gmail.com) on or before **24<sup>th</sup> July, 2021**.

##### ***Submission of full length research paper & copyright form:***

Full length research paper, maximum in 6 pages and copyright form should be submitted together as separate attachment latest by **26<sup>th</sup> July, 2021** through email at [newdelhi.conference4@gmail.com](mailto:newdelhi.conference4@gmail.com)

##### ***Submission of Registration Details:***

Submission of Registration Form/Details: **28<sup>th</sup> July, 2021**. Registration process can be initiated after receiving acceptance letter of full paper.

#### **MANDATORY STEPS TO BE FOLLOWED:**

1. Abstract should be maximum 300 words, full length research paper should be maximum 6 pages.
2. In case of multi authored research paper, at least one Registration is mandatory.
3. All Selected papers will be available online after 10 to 25 days of conference date over, in order to download the papers the authors need to go in the publication section of Krishi Sanskriti website.

#### **Registration**

The participants are requested to register by sending the duly filled Registration form through e-mail alongwith their research paper and registration fees (**through RTGS/Wire Transfer or Online Transfer**).

Bank Details mentioned below for **RTGS/Wire Transfer or Online Transfer**:

**Beneficiary Name** : **Krishi Sanskriti**  
**Bank Name** : **Canara Bank**  
**Bank Address** : **Jeet Singh Marg, New Delhi**  
**Account No.** : **1484101026988**  
**Account Type** : **Saving**  
**IFSC Code** : **CNRB0001484**  
**Swift Code** : **CNRBINBBID**

### **Registration Charges:**

<b>Categories</b>	<b>Indian Delegates</b>	<b>Rest of the countries</b>
Academic Faculty/Industrial Delegates	<b>2000 INR</b>	<b>100 USD</b>
Research Scholars(Ph.D.)	<b>1500 INR</b>	<b>75 USD</b>
Students (UG and PG)	<b>1200 INR</b>	<b>50 USD</b>
Additional Pages as chapter in edited book/proceeding /in Journals	<b>300 INR</b>	<b>20 USD</b>
Only Certificates	<b>300 INR</b>	<b>20 USD</b>
Additional Research paper for same authors	<b>800 INR</b>	<b>35 USD</b>

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<https://www.krishisanskriti.org/afhafbc.html>

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