



RAMA
UNIVERSITY

National Conference on _____
**Recent Innovations in
Agricultural & Allied Sciences**
For Livelihood Security

October
13th & 14th
2022



Organized By: Faculty of Agricultural Sciences & Allied Industries,
Rama University, Kanpur Nagar, U.P. (India)



BACKGROUND

India's population has increased 3.35 times since Independence; by 2027, it will surpass China to become the most populated country in the world. And yet, India accounts for only 2.4 per cent of the global land. The average size of landholding per state is 1.08 hectares, according to the latest agricultural census. Farmers in half the Indian states are marginal (with land less than 1 ha); the remaining are small farmers (land holdings of 1-2 ha). Most of them have been facing several major constraints such as input supply, credit availability, proper transport, and market facility, etc. Food production must double by 2050 to match the country's population and income growth. The small and marginal farmers, therefore, have a major role in the country's food security and meeting the SDG goals. Nearly 14 per cent of the population (189.2 million) is still undernourished in India, according to State of Food Security and Nutrition in the World, 2020 report. The Global Hunger Index 2021 placed India at the 101th position among 116 countries. Achieving 'zero hunger' by 2030 is a humungous challenge, and needs an integrated and multi-dimensional approach for overall sustainable agriculture and food systems in the country.

One of the critical challenges for a country's food security is climate change and its impact in form of extreme weather events. The predicted 1-2.5 °C temperature rise by 2030 is likely to show serious effects on crop yields. High temperatures may reduce crop duration, permit changes in photosynthesis, escalate crop respiration rates and influence pest population. Climate change accelerates nutrient mineralisation, hampers fertilizer use efficiency (FUE) and hastens the evapotranspiration in soil. The impact of climate change is directly or indirectly related to crop, water and soil as it influences the water availability, changes the intensity and frequencies of drought, effects microbial population, soil organic matter reduction, yield reduction, depletion of soil fertility as driven by soil erosion, etc. Precision farming with soil testing-based decisions, automation using artificial intelligence will be focused for precise application of inputs in agriculture. Use of Nano and GPS technology, drones, robots etc. can make life of farmers easy and exciting with good results. These advanced devices will make agriculture be more profitable, easy and environmentally friendly.

Hence this conference is being organized with an objective to provide a platform for the researchers, extension workers, academicians and students working with the smart options in the field of agricultural and allied sciences to share and discuss their innovations and advancements. Participants will likely benefit from deliberations during the conference in terms of knowing about the work done across the globe and the peer criticism and review during the conference.

Themes/Thrust Area

- Innovative Approaches in Resource Conservation and Management
- Emerging Trends in Plant Breeding Towards Sustainable Bio-economy
- Climate Smart Agriculture for Sustaining Productivity
- Precision Tools for Smart Management of Natural Resources
- Smart Approaches for Environmental Conservation and Ecological Management
- Artificial Intelligence, Machine Learning and Digital Ecosystem in Agriculture
- New Prospects in Agri-entrepreneurship and Agro based Industries
- Marketing for High Tech Start-Ups
- Soil and Plant health Management: Advance and Future Strategies
- Innovations and best practices in agricultural extension and advisory services





Call for Abstracts:

- Abstracts are invited for presentation in both Oral and Poster category.
- The Abstract should be less than 500 words typed in A-4 size, follow the format: 14 font size for title (bold), 12 for author names (bold), affiliation (Italics), abstract body and keywords (Italics). Font will be Times New Roman. Abstract should be submitted through email: ncrials2022@ramauniversity.ac.in
- The registered participants shall only be allowed for Oral and Poster Presentations based on selection by the technical screening committee.
- Only one abstract is allowed for each registration. However, individual can be a co-author of abstracts submitted by other registered delegates.

Important Due Dates:

- Last date of Abstract submission: 20th September, 2022
- Intimation of acceptance of abstracts: 25th September, 2022
- Submission of full length papers: 30th September, 2022
- Last date for Registration (without late fee): 1st October, 2022

Registration Details:

Registration fees include the kit, access to technical and poster sessions, lunch etc. The research fellows/students are required to produce a valid certificate from Principal Investigator/ identity card of the institute for availing the student discount. Confirm your registration by completing the attached form along with the non-refundable registration fee either by demand draft in favor of Rama University, Uttar Pradesh payable at Kanpur Nagar or through electronic payment. The bank details are as follow:

- ❖ Account Details: Registration fee may be sent by NEFT/ IMPS/ Cash deposit in favor of Rama University, Uttar Pradesh,
- ❖ Account number- 007388700000931
- ❖ YES BANK Ltd., Branch- Civil Lines, Kanpur Nagar,
- ❖ IFSC Code: YESB0000073

Conference is open only for the registered participants. Registration fee is as under:

Registration Fee	
Category	Fee (₹)
Industries/Exporters	2,500.00
Delegates/ Academics	1,500.00
Members of Rama University	1000.00
Students	700.00
Farmers	Free of cost

*Bring the cash deposit or bank transfer detail in original at the time of final registration.





Venue:

Conference Hall, Vice Chancellor Secretariat Office, First Floor, Rama University, Kanpur Nagar (UP)

Opportunities for Co-Sponsors

Co-sponsors of the conference are offered with multiple opportunities including placement of their organization/company logo/emblem in the backdrop, advertisement in souvenir, etc. The sponsorship contribution is as follows:

Co-Sponsored

- ❖ Platinum ₹ 30,000 with 3 guest delegates (free registration)
- ❖ Diamond ₹ 20,000 with 2 guest delegates (free registration)
- ❖ Gold ₹ 10,000 with 1 guest delegates (free registration)

Advertisement in Souvenir

The Souvenir of the Conference which will contain messages from VIP's and articles from renowned scientists, policy makers and administrators have provision for advertisement by the Companies. Souvenir is a very important publication of the Conference and is usually kept by the delegates for long period to be used as reference book. Interested Companies may contact the organizers for giving their advertisements. The rates for the advertisement are as follows:

- ❖ Full colour page ₹ 10,000
- ❖ Half colour page ₹ 5,000
- ❖ Full B/w page ₹ 2,500
- ❖ Half B/w page ₹ 1,500

Events

- ❖ Invited papers and lead talks
- ❖ Oral Presentation
- ❖ Poster Presentation
- ❖ Farmers- experts interaction

Awards

- ❖ Best oral presentation
- ❖ Best poster presentation

Participants: _____

- ❖ Vice Chancellors, Directors, Directors Research and Director Extension of International Organizations/Institutions.
- ❖ Vice Chancellors, Directors of Central Agricultural Universities, Universities, State Agricultural Universities (SAU's) and other Scientific Institutions.
- ❖ Directors, Scientists and students at ICAR/CSIR/ State Universities/Private Institutes.
- ❖ NGO/Corporate Sector/ entrepreneurs/ Policy makers' representative involved with Agriculture.
- ❖ National/International institutions working in the field of Agriculture.





A brief about Rama University

Rama University is a renowned name in the world of education. Recognized by UGC, Government of India, the university is rising as one of the largest educational establishments in the country. Involved in imparting world class education, Rama University has shaped more than 10,000 professionals so far and offers more than 100 courses across 09 specialized fields. Based out of Delhi, NCR and Kanpur, Rama University has two hi.tech campuses spread across more than 150 acres of collective area. Lush green environment, serene surroundings and all the necessary facilities are available within the campus. The university promises to be a perfect place for learning. With highly educated faculty members with international experience, progressive learning approach and modern teaching methodology, the University is focused at preparing strong and future ready professionals. Rama University has 9 constituent faculties, 3 teaching hospitals and state-of-the-art research centers to efficiently cater to the students from all over the country. The dynamic environment in the University not only ensures enormous growth potential but also promotes intellectual as well as personal growth. The University offers specialized courses across 9 professional streams such as Basic & Clinical Medical Sciences, Dental Sciences, Nursing, Ayurveda, Juridical Sciences, Health & Nutrition Sciences, Paramedical Sciences, Biotechnology, Engineering, Commerce & Management, Journalism, RAMA University. The Paramount of Excellence Rama University has been a popular choice among the students looking for a pioneer educational institution for higher studies. The Sanskrit verse "Sarve Bhawantu Sukhina, Sarve Santu Niramaya", meaning let every individual be happy and thus every individual be healthy, is the stimulating force behind our aim to provide globally competitive courses to the aspirants. We promote a holistic learning environment.

A brief about of Faculty of Agricultural Sciences Allied Industries, Rama University, Kanpur Nagar, U.P. (India)

Faculty of Agricultural Sciences and Allied Industries at Rama University covers educational and scientific/research activities with an aim to promote science-based agricultural education and research. The comprehensive program provides students with sound knowledge in the mathematics, science and engineering science required to solve agricultural engineering problems. It also enables them to effectively identify and design sustainable solutions to address issues and global opportunities.

The agriculture degree program at Rama University ensures successful professional careers in agro-industries, government organization, educational/research/extension institute. It equips the students to demonstrate strong leadership skills, ethical integrity, and professional engagement in any work settings. With a degree in Agricultural Science, students take their first step toward a rewarding career.

Faculty of Agricultural Sciences and Allied Industries offers Bachelor (B.Sc.), Masters (M.Sc.) and Ph.D. Degree Programs in Agricultural Sciences. The aim is to generate trained manpower in the areas of agriculture and to integrate research and teaching to harness maximum potential and has emerged as a centre of excellence in imparting quality teaching and training at under graduate, Post-graduate level and propagating research activities in diverse field of this important science. The course curriculum will not only equip the student with sound knowledge and expertise in relevant areas but will also create avenues for research and job opportunities in future and for self-employment. Department is equipped with modern equipments with state of the art laboratory facilities and has dedicated faculty engaged in various disciplines of agricultural sciences.





Accommodation

The limited accommodation is available in the university and other guest houses. On request, the organizers will arrange for reservation of accommodation provided the payment is received well in advance. A wide range of hotels and guest houses is available. The likely tariffs are as under:

Hotels – ₹ 2000 to 5000/-

Guest house – ₹ 500 to 1500/-

Weather

Weather in October will be pleasant with average temperature in the range of 20°C to 30°C.

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