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STEERING COMMITTEE	Dr. Raj Kumar, Dr. Harmeet Janeja, Dr. Adesh Kumar, Dr. Anis Mirza, Dr. Sharad Sachan, Dr. Ankush M. Raut, Dr. Nitin Changade



International Conference on **Recent Trends in Smart & Sustainable Agriculture for Food Security (SSAFS-2022)**

Friday - Saturday
January 21-22, 2022

Organized by
**School of Agriculture,
Lovely Professional University**

ThinkBIG

LOVELY PROFESSIONAL UNIVERSITY (LPU)
Jalandhar-Delhi G.T. Road, Phagwara, Punjab
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www.lpu.in



CALL FOR ABSTRACTS AND FULL LENGTH PAPERS

Authors are requested to submit their abstracts and papers through e-mail in MS-word format. Abstracts should be typed in Times New Roman with 12 font size, 1.5 cm line spacing and should be fully justified. No further editing will be permitted at the proof stage.

Title should be informative, specific and short, not exceeding 25 words, first letter should be capital; Latin names should be italicized or underlined. The title should be followed by name of the author(s) in bold. The name of principal author should be marked with (*) and the name of the author presenting the paper should be underlined. Affiliation should be written in bold, centered and of 10 font size.

While sending the abstract, the author should mention the theme/thrust area above the title in Times New Roman (font size 14 bold). After receiving the abstract, an acknowledgement letter will be sent to the author with the registration number. The number should always be quoted while making further enquiry about the publication. The confirmation for acceptance will be communicated within 5-6 days. Abstract should not be more than 250 words. Selection of abstract for full length paper, oral or poster presentation will be made separately and intimated accordingly.

All the full length papers will be screened for originality and will be reviewed by two referees (external and internal). Authors are requested to submit the revised manuscript according to the journal guidelines before the specialized deadline. The selected papers will be published in SCOPUS and NAAS indexed journals (visit the conference website <https://conferences.lpu.in/ssafs> for more information). Additional charges will be applicable for the journal publication.

ABOUT LOVELY PROFESSIONAL UNIVERSITY

Lovely Professional University (LPU) is a multi-faculty research-oriented institution with hi-tech campus offering more than 150 professional programmes. LPU campus is a complete world in itself having students from 28 states of India and more than 40 countries of the world.

LPU is a world class institution having internationally benchmarked curricula, innovative pedagogy focused on experiential learning, Cutting edge research, 200+ foreign tie-ups, well qualified and faculty with industry exposure, outstanding sports & cultural facilities, excellent residential facilities, a shopping mall and In-campus hospital, Banks, postal services etc.

The University holds a high rank on various parameters by government bodies and other credible organizations. LPU is recipient of various awards/ recognitions/accreditations including NIRF ranking 2021 (MHRD, Government of India), which ranked LPU as 62nd amongst all government and private universities in India. LPU has been ranked amongst top institutions of India in various disciplines i.e. 12th in Architecture, 23rd in Pharmacy, 24th in Law, 37th in Management and 66th in Engineering. LPU is ranked among Top 200 universities of the world in Times Higher Education Impact Rankings 2021. It also has the distinction of being the first private university in India to get ICAR accreditation from Ministry of Agriculture, Govt. of India for its Agriculture programmes.

ABOUT SCHOOL OF AGRICULTURE

LPU is the first private university to be granted ICAR accreditation for School of Agriculture, by the Ministry of Agriculture, Government of India. The school offers B.Sc. (Hons.) in Agriculture, regular programmes for master's degree and full-time programmes for the doctoral degree. School of Agriculture has experienced and dedicated faculties in different disciplines like crop improvement, crop protection, natural resource management, social sciences and food technology. It has more than 2500+ students on roll thereby contributing significantly towards the development of trained human resources in agriculture. The school performs the integrated functions of teaching, research and extension in agriculture and its allied disciplines. School of Agriculture has well equipped laboratories, library, lecture rooms and excellent farm facilities.

CONFERENCE THEMES

1. Recent Approaches for Crop Production and Protection under Open and Protected Conditions

- Sustainable technologies for enhancing crop productivity and efficient crop residue management
- Farm mechanization for sustainable agriculture
- Plant health, insect, pest and disease management
- Molecular approaches in the diagnostics of plant pathogens
- Livestock management

2. Precision Horticulture for Climate Change Resilience and Stress Management

- Horticultural crops for its nutraceuticals value and combating Covid-19
- Horticultural innovations and use of Artificial Intelligence in horticulture
- Horticulture to ensure food and nutritional security
- Biotic and Abiotic stress management

3. Biofortification and Crop Improvement Using Conventional and Molecular Breeding

- Breeding climate-resilient crops based on genetic potential of natural populations
- Next-generation genomics: key to global food and nutritional security
- Innovation in plant breeding for food security and nutrition
- Physiological, biochemical and molecular approaches for crop improvement
- Applications of Nanotechnology for crop improvement

4. Soil Health and Plant-microbe interactions

- Strengthening inventorization of soil and water resources
- Soil mitigation strategies.
- Advancements in Improvisation of soil fertility
- Soil quality and capacity for crop production
- Interaction of soil beneficial micro-organisms with environment to promote plant growth

5. Food processing, Post-Harvest Management and Value Addition

- Novel Food Technologies and Future foods
- Food, Nutrition and Human Health
- Creating Infrastructure: Food processing value chains and storage Capacity
- Robotics in Food Science

AIM AND OUTCOMES

The aim of sustainable agriculture is to produce high quality and safe food with best use of available resources. Use of high-yielding crop varieties, balanced ways of fertilization and irrigation as well as crop protection, production and practices, remains the best method that suit local conditions and capacity. In the past, emphasis was placed on improving potential yield, but today's focus is primarily on improving the nutritional value of foods, reducing post-harvest losses, improving stress tolerance, and reducing resilience on chemical crop protection products. Growing food in a sustainable way leads to practices that produce more with less input in the same area of land and initiate the use of natural resources. By strengthening the resilience of smallholders farmers, we can guarantee food security for the planet's increasingly hungry population.

The conference is for scholars, researchers and advisors with devoted interest and concern for scientific advances, policy making and strategic perspectives connected with International conference on Recent Trends in Smart and Sustainable Agriculture For Food Security-2022. The conference offers excellent prospect of agriculture and food processing network worldwide to share knowledge and experience on teaching and research in agriculture, food processing and nutrition area. It invites all innovative people to one platform for their valuable discussion on maintaining agricultural sustainability, food and nutritional security globally.

IMPORTANT DATES

- Abstract Submission - Up to Jan 15, 2022
- Author's Registration - Dec 20 - Jan 20
- Full Paper Submission - Up to Jan 31, 2022
- Conference Dates - Jan 21-22, 2022

REGISTRATION DETAILS

Log on to
<https://conferences.lpu.in/ssafs>

Contact information:
sarvjeet.24849@lpu.co.in/
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Send your abstracts at
ssafs2021lpu@gmail.com

Mode of payment: Online

	Fees
International Delegates	USD 100
Industrial Delegates	INR 1500/-
Faculty (Internal)	INR 1000/-
Faculty (External)	INR 1200/-
Students/Scholars (Internal)	INR 500/-
Students/Scholars (External)	INR 700/-

SPEAKERS

Dr. Vijay Arora
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Horticultural University,
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