

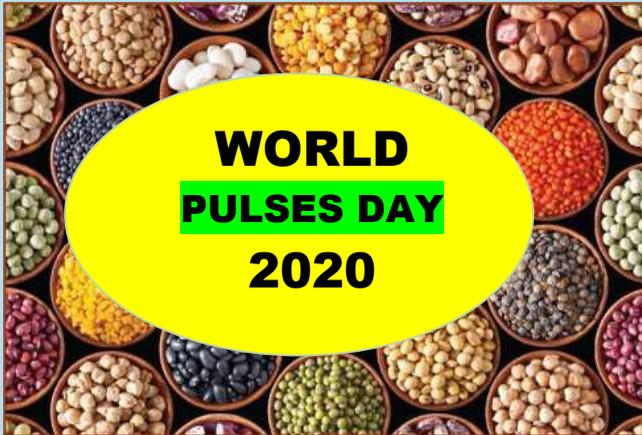


First Announcement

ICPulse2020

International Conference *Pulses the Climate Smart Crops: Challenges and Opportunities*

Central Institute of Agricultural Engineering, Bhopal
February 10-12, 2020



Organized by

Indian Society of Pulses Research and Development

and

ICAR-Indian Institute of Pulses Research

In collaboration with

Indian Council of Agricultural Research

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Background

Pulses are the important component of food chain and feed system across the globe as they contribute immensely to food and nutritional security in a sustainable manner through the diversification of agricultural production system. No wonder, therefore, specific cereal-food legume contributions have long been served as a staple food for majority of population worldwide. Civilization in Asia has survived on the staple diet of food legumes with wheat or rice, in Central and South America with maize, and in Africa with maize or rice and millets. Even in the industrialized world, where animal protein consumption is very high; the use of food legumes is growing because of concern for health and fitness associated with consumption of animal protein. Food legumes also supplement nutritionally rich fodder and feed for ruminants. Therefore, they serve as a functional element of many viable cropping and farming systems. Besides their inherent capability for symbiotic nitrogen fixation to nourish, food legumes do introduce combined nitrogen in the cropping system, with low carbon footprints and enrich the soil with organic carbon. The food legumes are, therefore, becoming increasingly significant in sustaining the production system and human/animal health in an eco-friendly manner.

It is inspiring to note that because of the importance of pulses as a global food, February 10 is designated as *World Pulses Day* by FAO of the United Nations. This further aims at bringing global attention to activities for its promotion by dissemination of information and communication connected to the pulse sector, thereby providing an opportunity to raise awareness about the (food and) nutritional benefits of pulses as part of sustainable food production programs (under SDG) intended to realize global food security and nutrition. These developments, in fact have gained momentum after FAO's announcement of 2016 as the *International Year of Pulses*.

India, as an example, is continuously striving for realizing its focused twin national priorities of *Self-sufficiency in pulses* and *Doubling farm income* by 2022. The country has made a history through a giant leap in pulses production scene as it has reached at higher average production of pulses to the tune of 24 million tonnes (MT) during last couple of years (from around 30 m hectares with a productivity of 800 kg/ha). With a focus in achieving 32 MT, the projected pulses requirements in the country by the year 2030 (and 39 MT by 2050), India poised to realize an annual growth rate of 2.2%. Further impetus is required for gaining stability in pulses sector through *an all-round efforts and strategic steps* in research, generating innovations, its dissemination, and commercialization along with capacity building. As a result, scaling in pulses productivity is targeted by at least an average of about 80-100 kg/ha during every 5-year interval to accomplish the achievable targeted yield of 1 tonne (t) per ha by 2025 and 1.4 t/ha by 2050. With an optimistic note it could be possible through genetic gains via novel technologies, like transgenic technology, MAS products, incorporating photo-thermal insensitivity and breeding short-duration varieties for increasing cropping intensity, conservation agriculture and strategic practicable technologies, research on storage structures and minimizing post harvest losses, promoting participatory and demand driven research including value addition and appropriate policy support. With existing resources and infrastructure, achieving greater heights for a stable production of pulses could require awareness and support at all the levels for realizing self-sufficiency in this wonder commodity.

Despite mammoth opportunities, growing concern in recent times to offset in rising food prices, global climate change, and energy crisis have ushered in new challenges for scientists and policy makers. Current and renewed recognition for pulses highlights the role of value-added agricultural research in enhancing food as well as nutritional security across the world in time to come. Contrary to marginalization of pulses in the wake of the green revolution in 1960s leading to a serious crisis in availability of pulses and sustainable agriculture production, time has come for collective deliberations on these climate smart crops in order to decide the future course of actions/mile stones/road maps further. And this is possible through global efforts.

Keeping the above context and facts in view, the Indian Society of Pulse Research and Development (ISPRD) in association with ICAR-Indian Institute of Pulses Research (ICAR-IIPR), Kanpur under the patronage of Indian Council of Agricultural Research (ICAR), New Delhi has planned to organize an International Conference (*ICPulse2020*) on “**Pulses the Climate Smart Crops: Challenges and Opportunities**” at CIAE, Bhopal during **February 10-12, 2020**. Following deliberations/discussions among global fraternity in the commodity, we hope to achieve new heights with certain desired stability in the sector in time to come. The Conference will also proved an exceptional opportunity to scientists, researchers, policy makers, extension workers, traders and entrepreneurs to respond and discuss various challenges and issues; and the strategies both short-term and long-term to counter these as envisaged in UN’s Sustainable Development Goals.

The Conference will address long-term sustainability of global agricultural production system through diversification/intensification of crop/farming systems with pulses through an eco-friendly approach via massive germplasm exploration to inherit novel genes for crop improvement in term of widening the production base, enhancing the quality, insulation against major abiotic & biotic stresses, developing resilient legumes against unpredictable threats as projected by climatic change, scaling farm mechanization, post-harvest management and value addition. The Conference also envisages to address the critical gaps in understanding the production constraints, issues of eradication of protein malnutrition for food deprived people, application of modern genetic tools and biotechnological interventions for pulses improvement and in-depth insight for underline principles of adaptation of pulses to diverse climatic condition. Policy issue, PPP, ICT and social networking including the need for critical support systems will be addressed in the conference sessions through discrete and unique theme areas.

The Conference will comprise of well structured technical sessions with *key note lectures* by distinguished scientists of respective thematic areas along with other *oral and poster presentations*. The technical session will also include a number of parallel sessions. Poster exhibition will also be arranged on major themes. There will be a provision for the Best Poster Award on each major theme. The organizing committee will make all out efforts to make this symposium a wonderful event.

Themes

Recent Trends

- Production and Consumption
- Trade, Marketing and Policy Issues

Genetic Enhancement

- Pre-Breeding
- Restructuring Plant Types
- Genomics Enabled Improvement and Transgenics
- Quality Seed Production

Production Management

- Cropping System Intensification and Diversification
- Resource Conservation and Input Use Efficiency
- Linking Soil-Plant-Atmosphere and Abiotic Stress Management
- Climate Smart Agriculture and Resilience
- Farm Mechanization

Secondary Agriculture Perspectives

- Nutrition and Health
- Biofortification
- Post Harvest Technologies, Value Addition and Processing

Biotic Stress Management

- Modelling and Forecasting
- Host Plant Resistance
- Diagnostics and Epidemiology
- Eco-Friendly Approaches for Pest Management

Participatory Technology Development and Adoption

- Public-Private Partnership
- Technology Assessment, Refinement and Dissemination
- Socio-Economic Issues

Date and Venue

The Symposium will be held at CIAE, Bhopal, Madhya Pradesh, India during **February 10-12, 2020**.

Call of Papers/Abstracts

The participants of the conference are invited to contribute abstracts of the papers for oral or poster presentation on all the pulses including arid legumes and forage legumes. Abstracts not exceeding 300 words should be submitted on A4 size paper in MS Word and/or mailed electronically at icpulse2020@gmail.com. The title of the abstract should be in bold font followed by the name(s) of author(s) and affiliation. The Abstracts will be published pre-conference.

Schedule and Important Deadlines

Submission of Abstract	December 31,2019
Notification of Acceptance	January 15, 2020
Submission of Full Paper	January 31, 2020
Conference dates	February 10-12, 2020

Registration Fee

Schedule	Member		Non-member		Student*	
	Indian & SAARC	Foreign	Indian & S AARC	Foreign	Indian & SAARC	Foreign
Early bird (on or before -Dec, 31, 2019)	INR 6000	US \$ 400	INR 8000	US \$ 450	INR 4000	US \$ 200
Late birds and Spot Registration (upto Feb 10, 2020)	INR 8000	US \$ 450	INR 10000	US \$ 500	INR 5000	US \$ 250

Registration Fee for Corporate Members = INR 10000/-

(*Research Fellows, Research Associates and Accompanying persons will also be included in Students' category)

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Symposium Secretariat

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For further information's please visit:

<http://www.iipr.icar.gov.in> ; <http://www.isprd.in>

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Date of issue: _____

Validity date: _____

Whether submitting an abstract of Paper: Yes/No

If Yes, whether for: Oral/Poster

Title of Presentation:

Theme: _____

Payment of Fees :

I am sending registration fee for Rs/US \$ _____ through DD No.

dated _____ in favour of ISPRD-ICPULSE2020, payable at Kanpur.

Date:

Signature

Partidpants are requested to return filled-in registration along payments to the Organizing Secretary, on or before -----.

Registration Form can be downloaded from Symposium website: [http:// www.isprd.in](http://www.isprd.in)

Please add 30% more (of registration fee) for per accompanying person(s)