



Department of
Science &
Technology,
Government of
India



DST-SERB Sponsored Workshop on

'Genomics Mediated Breeding Strategies to Develop Climate Resilient Nutrient-Dense Pulse Crops'

6-8th March-2024

ICAR-Indian Institute of Pulses Research (IIPR), Kanpur

Changing climate has increased the occurrence of biotic and abiotic stresses that are the crucial constraints in harnessing the potential productivity as well as quality of pulses and warrant dedicated research and developmental efforts to utilize omics resources and advanced breeding techniques to assist rapid and timely development of high-yielding climate resilient nutrient-dense pulse crops to provide food and nutritional security. In recent past, the pulse researcher's community has made notable achievements in conventional and molecular breeding to accelerate genetic gain of pulses in terms of quality and quantity. The workshop primarily aimed to provide training to the researchers and teachers interested in application of various molecular and genomic tools to develop climate resilient and nutrient-dense pulse crops.

Following topics will be covered in the workshop: Overview of genomic resources in different pulse crops, various molecular breeding approaches like Marker assisted breeding, Genome wide association study, transcriptome analysis, transgenics and genome editing, hands on training on extraction and quantification of DNA, RNA, protein, minerals, starch components, anti-nutritional factors etc.

Who can participate:

Faculty members of ICAR-Deemed to be universities/SAUs/CAUs/CUs and other UGC recognized universities or colleges and research institutes are eligible to apply. The number of participants is limited to 25 only.

How to Apply:

Duly filled application form forwarded by the competent authority should reach the Course Director's email id ashoka.parihar@gmail.com on or before 25th Feb. 2024.

Registration Fee: No registration fee.
The training is sponsored by DST-SERB.

Travel: Travelling allowance will not be provided by the organizers.

Accommodation and Food

Accommodation is limited, based on the availability in the guest house.
Working lunch and refreshments will be arranged by the organizers.

Organizing committee

Course Director: Dr. Ashok K. Parihar, Senior Scientist, Crop Improvement Division, ICAR-IIPR, Kanpur
Course Co-ordinator: Dr. Shanmugavadivel, P.S., Scientist, Division of Plant Biotechnology, ICAR-IIPR, Kanpur
Co-coordinators: Dr. Debjyoti Sen Gupta, Crop Improvement Division & Dr. Vaibhav Kumar, Basic Sciences Division, ICAR-IIPR, Kanpur

Application Form

DST-SERB Sponsored Three -day Workshop on

‘Genomics Mediated Breeding Strategies to Develop Climate Resilient Nutrient-Dense Pulse Crops’

6-8th March-2024

under the SERB Scientific Social Responsibility Policy

1. Full Name (in block letters):
2. Designation:
3. Discipline/Specialization:
4. Present Employer and Address:
5. Permanent Address:
6. Date of Birth:
7. Sex (Male/ Female):
8. Phone/mobile No:
9. Email:
10. Educational Qualifications:
11. Current Areas of Research:
12. Teaching/ Research / Professional Experience (mention post held during last 5 years and number of publications):
13. Marital Status (Married/Unmarried):
14. Statement of purpose (50-100 words):
15. CV (please enclose)

Signature of Applicant with date

Recommendations of the forwarding institute

It is certified that the information provided above is verified and found to be correct. The applicant is recommended & nominated for attending the three-day workshop at ICAR-IIPR, Kanpur.

Signature of the forwarding Authority with Seal and Date