

1st Circular

1st National Conference on Plant Genetic Resource Management (NCPGRM 2022)



22-24 November 2022

Organized by

Indian Society of Plant Genetic Resources (ISPGR), New Delhi
Indian Council of Agricultural Research (ICAR), New Delhi
ICAR-National Bureau of Plant Genetic Resources (NBPGR), New Delhi
Alliance of Bioversity International and CIAT, India Office, New Delhi

Co-Organizers

Trust for Advancement of Agricultural Sciences (TAAS), New Delhi
Protection of Plant Varieties and Farmers' Rights Authority (PPV&FRA), New Delhi



Venue:

**National Agricultural Science Centre (NASC)
Pusa Campus, New Delhi**

About NCPGRM

Plant genetic resources (PGR), related ecosystem services as well as the management practices employed by stakeholders are pivotal to agriculture and an important component of biodiversity. PGR are the biological cornerstone of global food and nutrition security. Hence, PGR management has been an important scientific and socio-economic concern over the past half a century. It is paramount that coordinated efforts are needed to collect, conserve and sustainably utilize vulnerable plant genetic resources in view of the fast depletion of genetic diversity of our food crops biotic, abiotic and anthropogenic factors. Further, *in situ* and on-farm conservation in farmers' fields do require efficient scientific management for much needed genetic enhancement to meet emerging challenges for our food, nutrition and environmental security.

Indian subcontinent is one of the Vavilovian Centres of Origin and is one of the twelve Mega Gene Centres of diversity in the world. It is endowed with rich biodiversity accounting for almost 12 % of world flora in a wide range of ecosystems. North-West Himalayas, North-East India, Western Ghats, and the Andaman and Nicobar Islands are hot spots of biodiversity and have around 33% of country's endemic recorded flora. Besides, the tribal and traditional farming communities played a significant role in managing and conserving the valuable genetic resources in the country. Also, the traditional varieties, landraces, wild progenitors, wild and weedy relatives of crop plants have been used in breeding or selected over generations for specific traits of economic importance.

The agricultural diversity and genetic resources that support crops, need to be used efficiently both to maintain current level of food production and to confront emerging new challenges. In the context of climate change, declining natural resources and increasing population, it is imperative that greater attention is now given to agrobiodiversity for our future sustainability. Fortunately, many valuable plant genetic resources do exist that would help in better adaptation to climate change by developing more stress tolerant varieties as well as to contribute towards attaining Sustainable Development Goals (SDGs). Adapting crop varieties to varying agro- ecological conditions can reduce risks induced by the climate change. Also, Covid-19 Pandemic has taught us the lesson that we need to diversify our food basket around the local food systems that are more adapted and sustainable. The recently held UN Food System Summit has exemplified this requiring renewed emphasis on enhanced use of local genetic resources of food crops. However, this would require concerted scientific efforts on collecting, characterization, evaluation, conservation and effective use of existing germplasm

This necessitates a scientific dialogue to deliberate the current status, available scientific evidences based technologies and innovations for more effective and efficient conservation through use of genetic resources. Also, PGR management approaches being followed and to be improved by both public and private institutions require critical assessment for needed improvement. In addition, the conference shall provide a platform to review the existing constraints and challenges, an update on progress related to implementation of 'Delhi Declaration' endorsed by the 1st Agrobiodiversity Congress (IAC) held in November 2016 that was inaugurated by the Hon'ble Prime Minister Shri Narendra Modi and define future strategy for long-term sustainable use of our PGR. The Indian Society of Plant Genetic Resources, in collaboration with Indian Council of Agricultural Research, ICAR-National Bureau of Plant Genetic Resources, Alliance of Bioversity International and CIAT, TAAS and PPV&FRA are organizing the **1st National Conference on PGR Management** during **22nd – 24th November 2022** to provide an opportunity to PGR researchers, academicians, policy makers, students and the farmers to present their research results, views and suggestions relating to current developments in the area of PGR management and develop the roadmap for future.

Thematic Sessions

Session I: Augmentation of Germplasm for Enhanced Utilization

(Sub themes: Plant Exploration, Germplasm Exchange and Plant Quarantine)

Session II: Trait Discovery, Gene Mining and Genome Editing

(Sub themes: Germplasm Phenotyping, Genotyping and use of Biotechnology)

Session III: Conservation for Posterity

(Sub themes: Seed Genebank, Tissue Culture and Cryopreservation)

Session IV: Farmer Centric PGR Management

(Sub themes: In-Situ/ On Farm, Community Genebank, Participatory Plant Breeding, Relevant Traditional Knowledge)

Session V: Enabling Policy on PGR Management

(Sub themes: IPR, Farmers & Breeders Rights, Access and Benefit-Sharing, General Policies)

Call for Abstracts

The Organizing Committee invites the participants to contribute abstracts for **rapid oral** and **poster** presentation.

The Abstract not exceeding 300 words should have a title followed by the name of the author(s), affiliation and e-mail address of the corresponding author. It should contain a brief Introduction, Materials and Methods, Results and Discussion; and be in font—Times New Roman; size 12. Name of the presenting author must be underlined.

The Abstracts may be submitted to ncpgrm2022@gmail.com **on or before 20th September 2022**. Acceptance will be communicated to the presenting author by **30th September 2022**.

There will be separate “Poster Sessions” for each technical session to encourage wider interaction and sharing of the information. **Best poster and oral presentation in each session will be awarded.**

Registration

Registration form: <https://forms.gle/pvdxuckJ9dLR2Ra29>

Registration fee should be paid either through demand draft or NEFT in favour of the ISPGR, New Delhi to the following account number:

Name of the Bank & Branch: Canara Bank, Beej Bhawan, New Delhi

Account No.: 91212010004780

IFSC – CNRB0019121

Registration fee

Categories	Registration Fee (INR)	After Due Date or On Spot Registration (INR)
ISPGR Members	6,000	7,000
Non-ISPGR Members	7,000	8,000
Students/ Research Fellows (ISPGR Members)	3,000	4,000
Students/ Research Fellows (Non-ISPGR Members)	4,000	5,000
Industry and Private Organizations	8,000	9,000

•Participants are expected to make their own arrangements for accommodation

•The accompanying person who wishes to attend the symposium has to pay extra INR 3,000

Sponsorship — Diamond, Gold and Silver

There is an opportunity to give advertisements in the publications of the conference, which will contain messages from VIPs and articles from renowned scientists. Interested companies may contact the Secretariat (ncpgrm2022@gmail.com) for giving the advertisements.

Diamond Sponsorship (INR 5 Lakhs)

Name/logo of sponsor to be displayed at prominent places including backdrop of the dais/website

Advertisement in publications (full page color, cover/special insertion)

Exemption of registration fee for three participants

Gold Sponsorship (INR 3 Lakhs)

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Exemption of registration fee for two participants

Silver Sponsorship (INR 2 Lakhs)

Name/logo of sponsor to be displayed at prominent places

Advertisement in publications (half page color)

Exemption of registration fee for one participant

Venue

The venue will be the **A.P Shinde Auditorium, National Agricultural Science Centre (NASC), Pusa Campus, New Delhi.**

The weather in Delhi during November is expected to be very pleasant.



Important Dates

Call for abstracts : 20th August 2022

Registration opens: 20th August 2022

Last date for abstract submission: 20th September 2022

Acceptance of abstracts: 30th September 2022



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1st National Conference on Plant Genetic Resource Management (NCPGRM 2022)

(Please mail the filled registration form at ncpgrm2022@gmail.com)

Name : Prof/Dr/Mr/Ms.....

Designation:.....

Gender: Male..... Female:..... Other.....

Institute/University:

Address:.....

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Mobile No:.....

E-mail Id :

ISPGR Member : Yes..... No

Title of the abstract:.....

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Session:.....

Sub-theme:.....

Mode of paper presentation: Oral..... Poster.....

Mode of Registration Fee Payment:

Note: Please add your full name and NCPGRM in the comment box while making online payment

NEFT Transaction ID (UTR No.):.....

Demand Draft No. (**Payable at Delhi**):

Date:.....Name of Bank:.....

Date:.....

(Signature of the participant)