



Minutes of the

Eighth Meeting of the Executive Council (2022-2024) of Indian Society of Plant Genetic Resources (ISPGR), New Delhi

Date: January 18, 2024

Time: 2.30 PM onwards

Agenda: Annexure 1

Venue: NAHE Committee Room, KAB 2 and online (Hybrid mode)

**EC Members
(2022-2024)**

Dr R.S. Paroda	President
Dr R.K. Tyagi	Vice President & Editor-in-Chief
Dr Manjusha Verma*	Joint Secretary
Dr Kuldeep Tripathi	Treasurer & Councillor (NZ)
Dr Monika Singh*	Councillor (NZ)
Dr Surendra Kumar Barpete*	Councillor (CZ)
Dr N. Sivaraj*	Councillor (SZ)
Member Secretary Dr Anuradha Agrawal	General Secretary

*Online participants

Agenda 1: Welcome Remarks

- At the outset Dr Anuradha Agrawal, General Secretary (GS), welcomed the EC members present physically as well as through online mode* and briefed about the agenda of the meeting (*Annexure 1*).
- She also informed that Drs G.P. Singh, J.C. Rana, Sunil Archak, S. Bera, V.K. Verma, Mohan Lal, Shailesh Tiwari, Anil Patidar and Rose Mary Francies could not attend the meeting due to their pre-occupation.

Agenda 2: Introductory Remarks by Chairman

- In his opening statement, President Dr. R.S. Paroda commended the initiatives undertaken by ISPGR throughout 2023, particularly highlighting the success of the 'National Seminar on Plant Biodiversity for Food, Nutrition, and Health Security in North-West Himalayas (PBFSNWH),' hosted at Shoolini University from November 27-28, 2023. Emphasizing the importance, he directed attention towards sustaining regional endeavors in the management of genetic resources for the current year as well.
- He appreciated Dr R.K. Tyagi to take over the charge of Editor-in-Chief, IJPGR and Dr Kuldeep Tripathi for taking the additional charge of Treasurer.

Agenda 3: Confirmation of the Minutes of Seventh EC (2022- 24) Meeting held on Nov 17, 2023 and Action Taken Report

- The Minutes of Seventh EC (2022-24) Meeting held on Nov 17, 2023 were confirmed.

- Action Taken Report on the recommendations of the Seventh EC Meeting was presented by Dr Anuradha Agrawal, General Secretary (*Annexure 2*). These were duly approved by the EC.

Agenda 4: General Secretary's Report

- Dr Anuradha Agrawal presented the General Secretary's Report (*Annexure 3*)
- She provided a summary of the 'National Seminar on Plant Biodiversity for Food, Nutrition, and Health Security in North-West Himalayas (PBFSNWH)', which took place at Shoolini University from November 27-28, 2023. She also shared the favorable responses received from students and young researchers who viewed the event as a valuable opportunity to showcase their work during the PBFSNWH.
- It was suggested by President, ISPGR to expedite the drafting and printing of the proceedings of PBFSNWH, preferably before end of Feb. 2024. The document should have not only recommendations but also, if possible actionable points.
(*Action : General Secretary, ISPGR and Co-Organizing Secretaries, PBFSNWH*)
- It was also proposed that a status paper on 'PGR of NWH region' be possibly prepared by inviting lead workers in that region. He also proposed to publish the success stories of the progressive farmers, in consultation with the concerned KVKs as a tangible outcome of PBFSNWH.
(*Action : Editor-in-Chief, IJPGR*)
- The committee comprising Drs G.P. Singh, R.K. Tyagi, Anuradha Agrawal and Kuldeep Tripathi, constituted in the 7th EC meeting for reviewing and revising the membership and suggest ways to generate revenue for the society, should hold its meeting at the earliest and provide its recommendations to the EC. The committee may also suggest guidelines for salary and benefits of Office Assistants of ISPGR.
(*Action: General Secretary and Treasurer*)

Agenda 5: Editor-in-Chief's Report

- Dr R.K. Tyagi, presented the Editor-in-Chief's report in which he shared the update of articles received and reviewed; and the expected timelines of issues of IJPGR to be published in 2024 (*Annexure 4*).
- EC deliberated on possible mechanisms to increase the rating of the IJPGR journal. It was suggested that active experts be invited to give review/research articles, identify additional or new Editors. Special issue can be considered as outcome of Society events (e.g. PBFSNWH).

(*Action: Editor-in-Chief, IJPGR*)

Agenda 6: Treasurer's Report

- Dr Kuldeep Tripathi presented the Treasurer's report, detailing the income and expenditure incurred in the current financial year, including PBFSNWH (*Annexure 5*).
- EC expressed satisfaction over the financial status.
- President suggested that follow-up action be taken for getting ICAR grant for IJPGR for the year 2023-24.
(Action: Treasurer)
- To increase Society Membership, it was suggested that letters to be to IARI-PGR alumni, representative of CGIAR in India, private sector etc.
(Action: GS and Treasurer)

Agenda 7: Discussion on Proposals for Regional Seminar/Conferences

- The General Secretary informed about two proposals for organizing the regional events (in 2024) submitted by the Zonal Councillors:
 - (a) PGR Awareness Program for college students at Hyderabad, by Dr N. Sivaraj (*Annexure 6*)
 - (b) 'National Conference on Emerging Challenges and Opportunities in Management of Biodiversity for Sustainable Agriculture and Nutritional Security (ECOMBSANS-2024)' by Dr Veerendra Kumar Verma, proposed to be organized at ICAR Research Complex for NEH Region, Umiam, Meghalaya (*Annexure 7*).

The proposals were agreed in principle by the EC, but with further refinement on details. Efforts may be made to generate sponsorship for the events from ICAR, Bioversity, Science Councils etc. Revised proposals to be sent to General Secretary at the earliest.

[Action: (a) Dr N. Sivaraj and (b) Dr V.K. Verma]

Agenda 8: Remarks by Vice Presidents

- Dr R.K. Tyagi appreciated the ISPGR activities. In his additional role as EIC, he sought cooperation from all Editors and EC.

Agenda 7: Concluding Remarks by Chairman

- Dr R.S. Paroda appreciated the efforts made for successful organization of PBFSNWH and placed on record the enormous support extended by Shoolini University. He expressed happiness at ISPGR's initiative to hold seminars outside Delhi and hoped to continue the trend in other zones, especially biodiversity hotspots.

- He stressed that increasing the rating of the Journal would be the target of this year, where joint efforts need to be made.

The meeting ended with a vote of thanks to the Chair and all EC members by Dr Monika Singh.



Anuradha Agrawal
(General Secretary)



R.S. Paroda
(President)

Eighth Meeting of the ISPGR Executive Council (2022-2024)

Jan. 17, 2023

Hybrid mode

Venue: NAHEP Committee Room, Fifth Floor (Room # 511) KAB2, Pusa Campus, New Delhi - 110 012

Zoom Link: <https://us06web.zoom.us/j/86405329843?pwd=28ocsHqZoq2jLNwRGfxhkHIDJpJRpc.1>

Meeting ID: 864 0532 9843

Passcode: 182621

AGENDA

2.30 – 2.35 p.m.	Welcome	Anuradha Agrawal General Secretary, ISPGR
2.35 – 2.40 p.m.	Introductory Remarks by Chairman	R.S. Paroda President, ISPGR
2.40 – 2.50 p.m.	Confirmation of the Minutes of Seventh EC (2022-24) meeting held on Nov. 17, 2023 Action Taken Report General Secretary's Report	Anuradha Agrawal General Secretary, ISPGR
2.50 – 2.55 p.m.	Editor-in-Chief's Report	R.K. Tyagi Editor-in-Chief, IJPGR
2.55 – 3.00 p.m.	Treasurer's Report	Kuldeep Tripathi Treasurer, ISPGR
3.00 – 3.10 p.m.	Discussion on proposal to hold Regional Conference in Umaim, Meghalaya	Virendra Verma Councillor, East Zone
3.10 – 3.15 p.m.	Any other item, with the permission of Chair	
3.15 – 3.20 p.m.	Special Remarks	G.P. Singh Director, ICAR-NBPGR
3.20– 3.40 p.m.	Remarks by Vice Presidents	J.C. Rana R.K. Tyagi Vice-President, ISPGR
3.40– 3.55 p.m.	Chairman's Remarks	R.S. Paroda President, ISPGR
3.55– 4.00 p.m.	Vote of Thanks	Manjusha Verma Joint Secretary, ISPGR

Action Taken Report of the Seventh EC Meeting held on Nov. 17, 2023

	Recommendation	Action Taken
1.	<p>Following proposals for organizing the regional events submitted by the Zonal Councillors were agreed in principle by the EC</p> <p>(i) National Conference at Umiam, Meghalaya by Dr Veerendra Kumar Verma, and</p> <p>(ii) PGR Awareness Program for college students at Hyderabad (regional level) by Dr N. Sivaraj.</p> <p>Detailed proposals were sought from the proposers</p> <p><i>(Action: Dr N. Sivaraj and Dr V.K. Verma)</i></p>	<p>Detailed proposal received from Dr Verma and Dr Sivaraj; to be discussed in the 8th EC meeting.</p>
2.	<p>It was proposed that authors who did not respond to the decision on manuscript submitted to IJPGR for revision in due time, would not be allowed to submit other manuscripts at least for 2 years.</p> <p><i>(Action: Editor-in-Chief)</i></p>	<p>Guidelines being developed for notification of all.</p>
3.	<p>EIC along with GS and Treasurer may meet with M/S Diva Enterprises for any revenue generation model of the journal, provided it does not contradict terms and conditions of the contract with MRI Publications.</p> <p><i>(Action: Editor-in-Chief, General Secretary and Treasurer)</i></p>	<p>Online meeting to be held on Jan 20, 2024.</p>
4.	<p>EC requested Dr R.K. Tyagi, Vice President, to kindly take additional charge of EIC in light of resignation by Dr Sunil Archak, to which the former agreed as an interim measure. Also, it was agreed that Dr Sunil Archak be requested to extend his support to Dr Tyagi for smooth transition and no interruption in the publication of IJPGR.</p> <p><i>(Action: Dr Sunil Archak and Dr R.K. Tyagi)</i></p>	<p>Needful has been done</p>
5.	<p>It was recommended that the Life Membership Fees may be enhanced, w.e.f. next year. A committee comprising Drs G.P. Singh, R.K. Tyagi, Anuradha Agrawal and Kuldeep Tripathi was constituted for reviewing and revising the membership and suggest ways to generate revenue for the society.</p> <p><i>(Action: General Secretary and Treasurer)</i></p>	<p>Committee shall meet in later half of January for n/a.</p>



Indian Society of Plant Genetic Resources

Meeting of the Executive Council (2022-2024)

EC Meeting # 8

Date : Jan 18, 2024

Report of General Secretary, ISPGR

1. **Minutes of 7th EC meeting** were circulated on Dec. 18, 2023, by email.
2. National Seminar on **Plant Biodiversity for Food, Nutrition, and Health Security in the North-Western Himalayas** (PBFSNWH) was successfully organized on Nov. 27-28, 2023, at Shoolini University, Solan.
3. Accounts of PBFSNWH settled with Shoolini University; to be audited in next couple of weeks.
4. The Proceedings of PBFSNWH are under preparation
5. The last date for **ISPGR Awards was extended up to Jan 15, 2024** and widely circulated amongst all ISPGR members, State Agricultural Universities, Central Universities and research institutes. A total of 61 applications were received for :
 - Dr S.K. Vasal Award for Efficient Use of PGR (2023)
 - Dr B.R. Barwale Award for Application/Excellence in PGR (2023)
 - Dr R.S. Paroda Young Scientist Award (2023)
 - Fellows of ISPGR (2023)Applications are under process for assessment by Committee.

(Anuradha Agrawal)
General Secretary



Indian Society of Plant Genetic Resources

Meeting of the Executive Council (2022-2024)

EC Meeting # 8

Date : Jan 18, 2024

Report of Editor-in-Chief, Indian Journal of Plant Genetic Resources (IJPGR)

Manuscript current status

- Total Manuscripts = 82
- No. of MS Under Review = 36
- No. of MS under editorial process = 17
- No. of MS sent back to authors for revision = 19

Journal publication status

- All issues of IJPGR Vol 36 (1,2,3) 2023 are already published
- 10 articles accepted for first issue i.e IJPGR Vol 37 (1) 2024

(R.K. Tyagi)
Editor-in-Chief



Indian Society of Plant Genetic Resources

Meeting of the Executive Council (2022-2024)

EC Meeting # 8

Date : Jan 18, 2024

Report of Treasurer, ISPGR

- The summary of income and expenditure of ISPGR for the period April 1 to Jan 18, 2023, are as follows:

Bank Balance and Cash in Hand (Till Jan 18, 2024)

Source	Amount (Rs)
Fixed Deposit	99,16,176.44
Amount in Bank (saving account)	15,06,191.81
Cash in Hand	10,669.00
Total (Rs one crore, fourteen lakhs, thirty-three thousand, thirty seven, twenty five paise)	1,14,33,037.25

Income (From April 1 to Jan 18, 2024)

Source	Amount (Rs)
Payment received from Diva Enterprises	36,980.00
Donation for Dr. B.R. Barwale Award 2022	1,00,000.00
Donation for Dr S.K. Vasal Award 2022	1,00,000.00
Donation from Dr Pratibha Brahmi	50,000.00
Membership (Institutional)	80,000.00
Membership (Life)	1,55,000.00
Membership (Annual)	9,000.00
Bank Interest (From saving account)	15,238.00
TOTAL (Rs five lakhs, forty-six thousand, two hundred and eighteen)	5,46,218.00

Expenditure (From April 1 to Jan 18, 2024)

Expenditure Head and Details	Amount (Rs)	Total (Rs)
Office Expenses		3,90,914.00
Salary, honorarium, arrears	3,26,100.00	
Rent of ISPGR Office	19,950.00	
Miscellaneous expenditures (Stationery, postage, local travel, tea, refreshment etc.)	44,864.00	
Professional Charges		39,500.00

Audit fee (FY 2022-23) and 10 BD form (Income tax)	29,500.00	
Website maintenance (2023-24)	10,000.00	
ISPGR Award Function and GBM		5,76,881.00
ISPGR awards prize money	4,40,000.00	
Mementos	20,600.00	
Printing (Certificates, posters, side panels, panel podium, gate banner etc.)	20,226.00	
VIP dining hall charge, IGH, NASC	5,000.00	
Catering and refreshment	59,905.00	
Flowers and decorations	21,150.00	
Photography	10,000.00	
Publications		3,72,071.00
MRI Publishers (Web development and review platform development)	92,040.00	
MRI Publishers (For Archival updating of IJPGR Vol (1), 1988 to Vol 35(3), 2023 and Article Processing and Printing of IJPGR Vol 36 (1 and 2), 2023)	2,70,031.00	
Designing of Proceeding NCPGRM 2022	10,000.00	
GRAND TOTAL (Rs thirteen lakhs, seventy-nine thousand, three hundred and sixty six)		13,79,366.00

- Funds received for 'National Seminar on Plant Biodiversity for Food, Nutrition, and Health Security in the North-Western Himalayas (PBFSNWH), 2023', so far, are as follows:

S.no.	Source of Income	Amount (Rs)
1	Registration Fee	1,10,000.00
2	PPV&FRA	294,000.00
3	Alliance of Bioversity International and CIAT	200,000.00
4	Maharashtra Hybrid Seeds Co. Pvt. Ltd.	98,000.00
5	SJVN Limited	98,000.00
6	H.P. Council for Science, Technology and Environment (HIMCOSTE)	50,000.00
7	JP Scientific	50,000.00
8	Ambuja Cement	50,000.00
	GRAND TOTAL	9,50,000.00

- Expenditure on 'National Seminar on Plant Biodiversity for Food, Nutrition, and Health Security in the North-Western Himalayas (PBFSNWH), 2023', so far, are as follows:

Heads	Amount (Rs)
Registration	213,509.00
Mementoes and Gifts	75,640.00
Hall Arrangement	34,500.00
Food and Catering	432,091.00
Travel and Accommodation	71,438.00
Cultural program	9,157.50
Printing and Publishing	85,461.00
Grand Total	9,21,796.50

- The ISPGR membership details are as follows:

Total ISPGR life members	946
Institutional membership (April 1 to Jan 18, 2024)	4
Life membership (April 1 to Jan 18, 2024)	31
Annual membership (April 1 to Jan 18, 2024)	9

Kuldeep Tripathi

(Kuldeep Tripathi)
Treasurer, ISPGR

CONCEPT NOTE**INDIAN SOCIETY OF PLANT GENETIC RESOURCES
Plant Biodiversity Awareness Initiative for Students on 28-29 February 2024****Introduction**

The plant genetic resources (PGR) need to be used efficiently both to maintain current level of food production and to address emerging new challenges including genetic erosion due to several man-made and natural causes. Therefore, optimum utilization and conservation of PGR is utmost important in the context of climate change. It is imperative that greater attention is given to PGR for future sustainability through awareness creation also among the various stakeholder starting from school/college level students.

The Indian Society of Plant Genetic Resources (ISPGR) recognizes the critical role of plant genetic resources (PGR) in ensuring food security, enhancing biodiversity, and promoting sustainable agriculture. By engaging with colleges (including AYUSH-Unani colleges) located in Hyderabad, Telangana State, ISPGR in partnership with ICAR-National Bureau of Plant Genetic Resources, Regional Station, Hyderabad and Association for Promotion of Ethno-medicine and Traditional Crops Diversity, Hyderabad, will be organizing a Awareness Program on Significance of PGR in agriculture and its conservation for students at Hyderabad, with following objectives:

Objectives

The PGR Awareness initiative by ISPGR aims to:

- To educate the students and local communities, about the importance of PGR in food production crop improvement, and ecosystem resilience.
- To raise awareness about the threats to PGR, including genetic erosion and habitat destruction, and their conservation through active participation of students and local communities through hands-on activities, workshops, and outreach programs.

Activities

1. **Expert Talks:** Presentations on topics related to PGR, biodiversity conservation, and sustainable agriculture.
2. **Interactive Workshop:** Conduct interactive workshop during the campaign to introduce students to the concept of PGR. It will cover topics on PGR management (crop diversity, seed conservation, and the role of PGR in food security)
3. **Campus Field Visits:** Field trip will be arranged for students to museum, polyhouses, MT S facility, laboratories and garden and farms where students and community members can observe firsthand the conservation efforts and diversity of plant genetic resources.

Target Participants: About 100 students drawn from various colleges, universities including AYUSH institutions for participation to celebrate National Science Day (28 February 2024)

The awareness programme will be designed as an ongoing initiative, with the above-mentioned activities planned for two days during February 2024 coinciding with the National Science Day.

Proposed dates: 28-29 February 2024

28.02.2024 – 50 students (Ayush institutions) & 29.02.2024 -50 students (University & Colleges)

Venue: ICAR-National Bureau of Plant Genetic Resources, Regional Station, Hyderabad 500 030

Expected Outcomes

1. Increased awareness and understanding of PGR among students' and local communities.
2. Promotion of a sense of responsibility for PGR conservation and sustainability of agriculture among the students

Organizers: Indian Society of Plant Genetic Resources (ISPGR), New Delhi; ICAR-NBPGR Regional Station, Hyderabad; and Association for Promotion of Ethno-medicine and Traditional Crops Diversity, Hyderabad

Budget

Budget required from the Society (ISPGR): Rs. 1,20,000/- (Rupees One lakh twenty thousand only) for two days [Banners; Educational materials; participation certificates; refreshments during lunch hour and tea time].

National Conference
on
Emerging Challenges and Opportunities in Management of Biodiversity for
Sustainable Agriculture and Nutritional Security (ECOMBSANS-2024)
26th -28th June, 2024

Venue

- ICAR Research Complex for NEH Region, Umiam, Meghalaya,

Important Dates

- Submission of abstract: 10th Feb, 2024
- Registration: 1st June, 2024

Organized by:

- Indian Society of Plant Genetic Resources, New Delhi.
- ICAR Research Complex for NEH Region, Umiam, Meghalaya.
- ICAR- National Bureau of Plant Genetic Resources (NBPGR), New Delhi.
- ICAR-Agricultural Technology Application Research Institute (ATARI), Zone-VII, Umiam, Meghalaya.
- ICAR-Agricultural Technology Application Research Institute (ATARI), Zone-VI, Umiam, Meghalaya.

CONTEXT AND RATIONALE

North-eastern India with 25.5 million hectares of the total geographical area comprised of 8 states, viz., Arunachal Pradesh, Assam, Meghalaya, Manipur, Mizoram, Nagaland, Tripura, and Sikkim. About 70% of the population in the region is dependent on agriculture, with land holding ranging from 0.005 to 4.0 hectares, and the majority (78.92%) of them are marginal and small farmers. The region is almost self-sufficient in food security, but the majority of the population, especially children and women, is suffering from protein and energy malnutrition, and micronutrient (vitamin and minerals) - related disorders, which are essential for sustaining life and physical activities.

The region possesses a diverse climate, varying from subtropical to alpine, favourable for the existence of diverse plant species, including wild and cultivated species. Hence, the region is a 'hot spot' for biodiversity. The region shared only 7.7% of India's geographical area, but contributed 21.67% of the national forest cover, 50% (8000 species) of the flowering plants, 39% (7,000 plant species) of higher plants, and 37% (300 species) of the wild edible plants in India. Furthermore, the region is considered the primary center of origin for crop species like rice, mandarin, banana, cucumber, brinjal, Indian bean, ginger, turmeric, large cardamom, taro, yam, bamboo, orchid, lily, and a secondary center of diversity for maize, chillies, chow-chow, beans etc. Besides, many underutilized crops like perilla, job's tear, faba bean, winged bean, rice bean, lima bean, sword bean, tree bean, tree tomato, edible mushrooms, ferns, lotus, *etc.* are grown by the local tribes and play an important role in ensuring the nutritional security of the local population. The region is also known for superior quality of the produce. Geographical Indications (GI) tags has been granted for several agricultural crops/commodities, such as, Joha rice, Boka Chaul, Kaji Nemu, Tezpur Litchi, and Karbi ginger

of Assam; Adi Kekir ginger and Khaw Tai (Khamti rice) of Arunachal Pradesh; black rice (Chakhao), Tamenglong Orange, Sirarakhong's Hathei chilly, Kachai lemon, and Siroy lily of Manipur; Memong Narang and Khasi Mandarin of Meghalaya; Large Cardamom and Dalle chillies of Sikkim; King-chillies, Tree tomato and Sweet cucumber of Nagaland; Birds eye chillies of Mizoram; and Queen pineapple of Tripura. Besides crop species, the region is also known for the diverse landraces of livestock such as Siri (Sikkim and West Bengal), Lakhimi (Assam), Thutho (Nagaland), Masilum (Meghalaya) breed of the cattles; Chittagong (Meghalaya & Tripura), Miri and Daothigir (Assam), Kaunayen (Manipur) breeds of chicken, Sumi-Ne (Nagaland), Assam Hill (Assam & Meghalaya) of goat, Niang Megha (Meghalaya), Tenyi Vo (Nagaland), Doom (Assam), Mali (Tripura), Manipuri Black (Manipur) and Wak Chambil (Meghalaya) breed of pig and have been registered due to their unique traits.

Integrated farming systems are the main traditional farming practices in the region. However, the growing demands for food due to the increasing population possess challenges to food security. The loss of biodiversity due to deforestation, mining, shrinking of the wetland, biotic and abiotic stresses, and climate change further aggravated the problems. These emerging challenges are of grave concern for the loss of biodiversity as well as food and nutritional security of the region. The target of food and nutritional security, i.e., zero hunger and poverty by 2030 as envisioned in the UNDP Sustainable Development Goal, can be achieved only through new innovations and the full potential utilization of vast genetic resources to address issues of declining factor productivity such as soil health, water availability, incidences of diseases and pests, energy crises, livelihood security of small holders, and emerging challenges of climate change. Under Act East policy, to promote economic, strategic and cultural relations with the vast Asia-Pacific region the government of India has taken several initiatives, like the development of infrastructure related to road, railways and other means of connectivity. To conserve the vast genetic diversity present in the region, the steps should be taken to protect from emerging challenges such as trade, transboundary diseases and pests. Therefore, the national conference on 'Emerging Challenges and Opportunities in Management of Biodiversity for Sustainable Agriculture and Nutritional Security (ECOMBSANS)' aims to sensitize all stakeholders in innovative conservation and utilization of the diverse genetic resources of the region for sustainable agriculture and the way forward of genetic resources-led livelihood and nutritional security for resource's poor farmers.

Indian Society of Plant Genetic Resources, New Delhi extends you a warm invitation for your active participation in the Conference to accomplish its objectives.

CATEGORIES OF CONFERENCE THEME PRESENTATIONS

Keynote Lectures: Scientists across India, policy makers and administrators will be invited to deliver special lectures related to *Biodiversity of crops, livestock and fisheries* under different thematic areas. Keynote lectures will be of **20 minutes duration**.

Lead Lectures: Lead lecture will be of **10 minutes duration** that will cover emerging technologies and scientific advancements in the area of agro-biodiversity and conservation. Lead speakers of the conference will be requested to provide 3-4 pages extended summaries of their presentation.

Contributory/ Oral Papers: Limited number of papers will be selected by the committee for oral presentation based on importance of subject and its relevance to the sub- themes of the Conference. The speakers will be informed well in advance for making the presentation. The presentation will be of **5 minutes duration**.

Poster Presentations: All the delegates will get an opportunity to present their contributory research papers through poster presentation. Materials for fixing the posters will be provided by the organizers. The size of the poster should be 48" (L) X 36" (W) with standard font size used for posters.

PEST ORAL/POSTER AWARDS: The expert's committee will judge best oral and poster presentations under each thematic area. All the registered participants will be provided with a certificate.

THEMES & SUB-THEMES

Diversity in Plant Genetic Resources:

- Status of plant genetic resources in commercial and underutilized crops.
- Collection, evaluation and characterization of the genetic resources.
- In-situ/ ex-situ conservation of the genetic resources.
- Biotechnology as an instrument for plant biodiversity conservation.
- Geoinformatics as recent tools for biodiversity assessment.
- ICT/digital technology in management of plant genetic resources.

Biodiversity & Agriculture:

- Genetic resources for livelihood security, diet diversification, nutritional security, and sustainable farming systems.
- Biodiversity and local/ethnic food systems.
- Bioprospecting and Innovations.
- Ethnobotany and Traditional Knowledge of biodiversity.
- Genetic resources in management of biotic and abiotic stresses.
- Genetic diversity in agricultural important microbes for management of the biotic and abiotic stresses.
- Front Line Demonstrations (FLDs), Landmark cultivar/landraces for commercial production at farmers field.

Policy, Finance & Rights:

- Biodiversity conservation policies and strategies.
- GI crops based entrepreneurship development
- Innovations to address overexploitation, pollution, fragmentation, unsustainable agricultural practices and climate change.
- Economics of biodiversity.
- Safeguarding the rights of indigenous peoples and recognizes their contributions as stewards of biodiversity conservation and utilization
- Role of KVKs, NGOs and FPOs in conservation and utilization of genetic diversity.
- Integration and understanding of genetic resources in educational institution.
- Finance for biodiversity and alignment of financial flows with nature to drive finances toward sustainable investments and away from environmentally harmful ones.

Genetic Resources of Animal & Fisheries- Conservation & Utilization:

- Exploring, surveying and monitoring diversity of animal husbandry and fisheries sectors in India with special reference to NEH region.
- Trans-boundary animal diseases and their impact on animal diversity in India.
- Innovative and biotechnological approaches for disease management of animal husbandry and livestock sectors.
- Diversity of fisheries sector in augmenting productivity and nutritional security bringing self-sufficiency in animal based products in NEH region: prospects and challenges.

OFFICIAL LANGUAGE

English is the official language of the Conference.

CALL FOR PAPERS

Abstracts (Maximum 400 words, should include titles, authors name, affiliation and corresponding authors email ID of unpublished research works related to the conference themes are invited for presentation(Oral and Poster). Abstracts, Keynote papers (Not more than 1000 words) and lead papers (not more than 1500 words) are to be submitted preferably through e-mail attachment at Ecombsans2024@gmail.com.

DATES TO REMEMBER

Date for start of the abstract submission: 10th Feb, 2024
Last date for submission of abstracts /papers: 15th June, 2024
Acceptance of abstracts/paper: 20th June, 2024
Date of registration without late fee: 20th June, 2024

REGISTRATION FEE

ISPGR member: ₹ 5000/-
Non-ISPGR members: ₹ 6000/-
Students/ Research fellow: ₹ 2000/-
Industry/private organization: ₹ 10000/-
Accompanying Persons: Rs. 2000/- (No Welcome kit will be provided to Accompanying Persons)
Extra ₹ 500/- for Late fee after 20th June, 2024

SPONSORSHIP

The organizers seek financial support from different stakeholders, especially the government and non-governmental organizations to make this academic event a grand success. The sponsorships in various categories viz. **Diamond, Gold and Silver Sponsors** will be welcomed. Organization/Company's logo on event backdrops, publications, colour advertisement

Diamond Sponsors	:	Rs 1.50 lakh/- (Two complimentary registration, logo on abstract / Souvenir and one full page coloured advertisement)
Gold Sponsors	:	Rs 1.00 lakh/- (One complimentary registration, logo on abstract / Souvenir and half page coloured advertisement)
Silver Sponsors	:	Rs 0.50 lakh/- (One complimentary registration, logo on abstract / Souvenir and half page coloured advertisement)

PAYMENT DETAILS

A/C Name: ISPGR National Conference-2024 (Kindly provide the Copy of the PAN card of the ISPGR)

A/C No:

IFSC Code: SBIN0012464

ICAR Complex Umiam Branch, Umiam, Ri-Bhoi, Meghalaya

ABOUT THE INSTITUTE

The ICAR Research Complex for North Eastern Hill Region (ICAR RC NEH) was established on 9th January, 1975 under the aegis of the Indian Council of Agricultural Research (ICAR). This is the first of its kind set up by ICAR, which encompasses all the disciplines of agriculture, horticulture, animal sciences, agricultural engineering, agroforestry, fishery and social sciences to cater to the research needs of the tribal areas of NEH Region including Sikkim. **Beside research and extension, the institute is also actively involved in human resources development, offering the UG, PG, and Ph.D. programmes under the IARI as a hub in north-eastern India.** The headquarter (HQ) of the institute is located in Meghalaya (Barapani), while its regional centres are located at Basar (Arunachal Pradesh), Imphal (Manipur), Kolasib (Mizoram), Jharnapani (Nagaland), Lembucherra (Tripura) and Gangtok (Sikkim). The institute has 20 Krishi Vigyan Kendras (KVKs) attached to different centres and HQ for providing on/off campus training to the practising farmers, school dropouts and farm women in the field of agriculture and allied sectors. **In the current year 2024, the institute is celebrating the golden jubilee (50th anniversary) of its foundation in serving the nation.**

ABOUT THE SOCIETY

The Indian Society of Plant Genetic Resources (ISPGR) was founded in 1987 as a multidisciplinary scientific body involved in the various issues of plant genetic resources (PGR) and related fields at ICAR-National Bureau of Plant Genetic Resources, New Delhi. It currently has > 950 members, nearly 800 of them being life members. The ISPGR was formally registered under the Indian Societies Act (1860) on November

3, 1987 with the Registrar of Societies, Delhi (Registration No. S/18336 of 1987). Membership is open to all persons interested in the field of PGR in India and abroad. Presently the Society is marching under the able and dynamic leadership of Dr. R.S.Paroda, as its President. Besides organizing seminar, symposium, to disseminate the knowledge on plant genetic resources (PGR), the society is also publishing Indian Journal of Plant Genetic Resources, a reputed journal in the field of plant genetic resources.

ACCOMMODATION

A wide range of accommodation in budget and luxury hotels at Umiam and nearby in the vicinity of the conference venue is available. The tariffs at the current rates are in the range of Rs. 3500/- to Rs. 7000/- per day for single/Double occupancy. Limited accommodation is available in various guest houses near the venue.

ROADMAP AND WEATHER

The seminar venue is well connected by road, rail and air route. The seminar venue is located 100 km from Guwahati airport, 80 km from Guwahati railway station and 10 km from Shillong airport. Weather during the seminar is expected to be warm and rainy with the temperature range of 20 °C to 30°C.

ORGANIZING COMMITTEE

Chief Patron	Dr. Himanshu Pathak	Secretary, DARE and Director General, ICAR New Delhi
Patron	Dr. S.K. Chaudhari	Deputy Director General, Natural Resources Management, ICAR New Delhi
	Dr. T. R. Sharma	Deputy Director General, Crop Science, ICAR New Delhi
	Dr. K.M. Bujarbaruah	Vice President NAAS & Former DDG, Animal Science, ICAR New Delhi
	Dr. Anupam Mishra	Hon'ble Vice Chancellor, Central Agricultural University, Manipur, Imphal
	Dr. Prabha Shankar Shukla	Hon'ble Vice Chancellor, North Eastern Hill University, Shillong, Meghalaya
	Dr. Biydut C. Deka	Hon'ble Vice Chancellor, Assam Agricultural University, Jorhat, Assam
	Dr. Trilochan Mohapatra	Chairman, Protection of Plant Varieties and Farmers' Rights Authority, New Delhi
	Dr. H. S. Gupta	Chairman, Assam Agriculture Commission, Former DG BISA & Former Director, ICAR-IARI, New Delhi
President	Dr. R. S. Paroda	Former Secretary DARE & DG, ICAR New Delhi
Vice- President	Dr. Gyanendra Pratap Singh	Director, ICAR-ICAR-National Bureau of Plant Genetic Resources, New Delhi
	Dr. R. K. Tyagi	APCoAB Coordinator, Asia-Pacific Association of Agricultural Research Institutions (APAARI),
	DR J.C. Rana	National Coordinator, UN Environment GEF Project Biodiversity International-India B-Block, NASC Complex, New Delhi-110012, India
National Advisory Committee		
	Dr. A. K. Singh	Director, Indian Institute of Agricultural Research, New Delhi

	Dr. B. P. Mishra	ICAR- National Bureau of Animal Genetic Resources, Karnal, Haryana
	Dr. Uttam K. Sarkar	ICAR-National Bureau of Fish Genetic Resources, Lucknow, UP
	Dr. Alok K. Srivastava	ICAR-National Bureau of Agriculturally Important Microorganisms, Mau, UP
	Dr. S N Sushil	ICAR-National Bureau of Agricultural Insect Resources, Bengaluru, Karnataka
	Dr. S. K. Singh	Director, ICAR- Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Dr. T. K. Behera	Director, ICAR-Indian Institute of Vegetable Research, Varanasi , UP
	Dr. M. K. Verma	Director, ICAR- Central Institute of Temperate Horticulture, Srinagar.
	Dr. T. Damodaran	Director, ICAR – Central Institute of Sub-tropical Horticulture, Lucknow
	<i>Dr. G. Byju</i>	Director, ICAR- Central Tuber Crops Research Institute, Trivandrum, Kerala
	Dr. R. Dinesh	Director, ICAR-Indian Institute of Spices Research, Calicut, Kerala
	Dr. Anup Das	Director, ICAR Research Complex for Eastern Region, Patna, Bihar
	Dr. R. K. Mathur	Director, ICAR-Indian Institute of Oil Palm Research, Pedavegi, AP
	Dr. Amaresh Chandra	Director, ICAR- Indian Grassland and Fodder Research Institute, Jhansi, UP
	Dr. Dilip Ghosh	Director, ICAR-Central Citrus Research Institute, Nagpur, Maharashtra
	Dr. V. P. Sharma	Director, ICAR- Directorate of Mushroom Research, Solan, HP
	Dr. K. V. Prasad	Director, ICAR-Directorate of Floriculture Research, Pune, Maharashtra
	Dr. V. K. Gupta	Director, ICAR-National Research Center on Pig, Guwahati, Assam
	Dr. S. Girish Patil	Director, ICAR- National Research Center on Mithun, Nagaland
	Dr. S. P. Das	Director, National Research Center on Orchid, Pakyong, Sikkim
	Dr. Bikash Das	Director, ICAR- National Research Center on Litchi, Bihar
	Dr. R. Selvarajan	Director, ICAR- National Research Center on Banana, Thayanur, Tamil Nadu
	Dr. Mihir Sarkar	Director, ICAR- National Research Center on Yak, West Kameng, AP
	Dr. A. K. Tripathi	Dean, College of Agriculture, CAU, Pashighat
	Dr. B. N. Hazarika	Dean, College of Horticulture & Forestry, CAU, Pashighat

	Dr. Dwipendra Thakuria	Dean, College of Post Graduate Studies in Agricultural Sciences (CAU), Umiam, Meghalaya
	Dr. Ram Singh	Dean, College of Agriculture (CAU), Kyrdemkulai, Meghalaya
	Dr. Mayank Rai	Dean, Post Graduate College of Agriculture, RPCAU, Pusa, Bihar.
	Dr. Gopala Krishnan S.	Head, Division of Genetics, ICAR-IARI, New Delhi
	Dr. B. S. Tomar	Head, Division of Vegetable Science, ICAR-IARI, New Delhi
	Dr. O.P. Awasthi	Head, Division of Fruit Science, ICAR-IARI, New Delhi
	Dr. Markandey Singh	Head, Division of Floriculture, ICAR-IARI, New Delhi
	Dr. G. P. Mishra	Head, Division of Seed Science, ICAR-IARI, New Delhi
	Dr. Nagendra Rai	Head Division of Crop Improvement, ICAR-IIVR Varanasi
	Dr. Rajesh Kumar	Project Coordinator, AICRP on Vegetable Crops, ICAR- IIVR Varanasi
	Dr. M. Sankaran	Principal Scientist & Head, Division of Fruit Crops, ICAR-IIHR, Bengaluru
	Dr. Prasanna H C	Principal Scientist & Head, Division of Vegetable Crops, ICAR-IIHR, Bengaluru
	Dr. P. Naveen Kumar	Principal Scientist & Head, Division of Division of Flower and Medicinal Crops, ICAR-IIHR, Bengaluru
	Dr. Samarendra Hazarika	Head, Division of System Research & Engineering, ICAR NEH, Umiam
	Dr. Sandeep Ghatak	Head, Division of Animal & Fisheries Sciences, ICAR NEH, Umiam
	Dr. B. K. Singh	Head, Division of Crop Science, ICAR-NEH, Umiam
	Dr. B.P. Singh	Head, Division of Technology Assessment & Capacity Building, ICAR NEH, Umiam
	Dr. S. K. Das	Academic Coordinator, IARI Hub, Umiam, Meghalaya
	Dr. Pankaj Baiswar	Head, PME cell, ICAR-NEH, Umiam, Meghalaya
	Dr. Rakesh Singh	Head, Division of Genomic Research, ICAR-NBPGR, New Delhi
	Dr. Anju Mahendru Singh	Head, Division of Germplasm Conservation, ICAR-NBPGR, New Delhi
	Dr. Rajkumar Gautam	Head, Division of Germplasm Evaluation, ICAR-NBPGR, New Delhi
	Dr. P. K. Singh	Head, Division of Plant Exploration and Germplasm Collection, ICAR-NBPGR, New Delhi

	Dr. Celia Chalam Vasimalla	Head, Division of Plant Quarantine, ICAR-NBPGR, New Delhi
	Dr. Sunil Archak	Incharge, Germplasm Exchange & Policy Unit, ICAR-NBPGR, New Delhi
	Dr. K Noren Singh	Professor, School of Crop Improvement, CPGS-AS, CAU, Umiam, Meghalaya
	Dr. Harish G.D.	Incharge, ICAR-NBPGR Regional Station, Shillong
Organising Committee		
Chairman	Dr. V. K. Mishra	Director, ICAR Research Complex for NEH Region, Umiam, Meghalaya
Co-Chairman	Dr. A. K. Mohanti	Director, ICAR-Agricultural Technology Application Research Institute, Umiam, Meghalaya
	Dr. G. Kadirvel	Director, ICAR-Agricultural Technology Application Research Institute, Guwahati, Assam
Coordinator	Dr. Anuradha Agarwal	Secretary, ISPGR, New Delhi
Co- Coordinators	Dr. Mohan Lal	Zonal Councillor (NE), ISPGR & PS, CSIR-NEIST, Jorhat (Assam)
	Dr. Sanjeev Kumar Singh	Ex-Treasurer ISPGR & Head KVK, Phek, Nagaland
Organizing Secretary	Dr. V. K. Verma	Senior Scientist- Horticulture, ICAR NEH, Umiam, Meghalaya
Co-Organizing Secretary	Dr. Amit Kumar	Senior Scientist-Plant Breeding, ICAR NEH, Umiam, Meghalaya
	Dr. N. Uttam Singh	Senior Scientist-Agricultural Statistics, ICAR NEH, Umiam, Meghalaya
Convenor	Dr. H. Rymbai	Senior Scientist- Horticulture, ICAR NEH, Umiam, Meghalaya
Co-Convenors	Dr. Anirudha Roy	PI, Agri-Business Incubation (ABI) Centre, ICAR NEH, Umiam, Meghalaya
	Dr. Samir Das	Senior Scientist- Animal Health, ICAR NEH, Umiam, Meghalaya
Members	Dr. Meena Das	Senior Scientist- Veterinary Parasitology
	Dr. Sourabh Deori	Senior Scientist- Animal Reproduction
	Dr. Sandeep Patra	Senior Scientist-Entomology
	Dr. Krishnappa R.	Senior Scientist-Plant Physiology
	Dr. Tasveen R. Bohra	Senior Scientist- Plant Pathology
	Dr. Chandan Debnath	Senior Scientist-Fisheries Sciences
	Dr. M. Prabha Devi	Scientist-Environmental Sciences
	Dr. Debasish Chakraborty	Scientist- Agricultural Meteorology
	Dr. L. Tautang	Scientist- Plant Breeding
	Dr. Philaim Shimray	Scientist- Plant Breeding
	Dr. A. P. Milton	Scientist- Animal Health
	Dr. N. Raju Singh	Scientist- Agroforestry
	Dr. Sandeep Jaiswal	Scientist- Plant Biotechnology

	Dr. Gojendra Singh	Scientist- Fisheries Sciences
	Dr. M. Bilashini Devi	Scientist- Horticulture
	Dr. H.D. Talang	Scientist-Horticulture
	Dr. Rahul Katiyar	Scientist- Animal Reproduction
	Dr. Christy C. Sangama	Scientist- Soil Microbiology
	Dr. Tasso Tayung	Scientist- Fisheries Sciences
	Dr. Simardeep Kaur	Scientist- Biochemistry
	Dr. P. Raviteja	Scientist- Floriculture
	Mr. Praveen G.	Scientist- Plant Genetic Resources

CORRESPONDANCE

E-mail:

Dr. V. K. Verma (9436703255), Dr. Amit Kumar (8974630789) & Dr. Samir Das (8730856556)

FOR ADVERTISEMENT

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. 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 Institute/ Organization/ Companies may contact the organizers. The rates for the advertisement are provided below

- Back cover page: ₹ 50,000/-
- Inside back page: ₹ 30,000/-
- Full page insertion: ₹ 25,000/-
- Half page insertion: ₹ 20,000/-



REGISTRATIN FORM

NATIONAL SEMINAR

on

Emerging Challenges and Opportunities in Management of Biodiversity for Sustainable Agriculture and Nutritional Security (ECOMBSANS-2024)

(26th-28th June, 2024)

(Please filled the registration form and send to ecombsans2024@gmail.com)

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

Designation:

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

Institute/University:.....

Address:.....

.....

Mobile No.:.....

Email ID:.....

Alternate Email ID:..... ISPGR

Member: Yes.....No.....

Title of the Abstract:

.....

.....

Session:.....

Mode of Presentation: Oral.....Poster.....

Date & Time of Arrival (for accommodation purpose):.....

Date & Time of Departure:.....

Details of Registration Fee

Details of Payment Rs.....Registration Category.....

Mode: Draft/Multi City/Cheque/RTGS/.....

Bank Details:.....

Ref. No. & Date:.....

Note:

- Please add your full name and ECOMBSANS in the comment box while making online payment

Place:.....

Date:..... (Signature of the Participant)