**Indian Society of Plant Genetic Resources**

**c/o ICAR-NBPGR, Pusa Campus, New Delhi - 110 012**

**Dr B.R. Barwale Award for Application/ Excellence in PGR (2021)**

**Contributions of Dr B.R. Barwale**

Late Dr Badrinarayan Ramulal Barwale (1931-2017), is widely regarded as Father of Seed Industry in India. As the Founder Chairman of Maharashtra Hybrid Seeds Company Pvt. Ltd (Mahyco), he devoted his life for upliftment of Indian farmers and was instrumental in literally transforming the face of Indian agriculture. Since the earliest days of Indian independence, this private farmer and entrepreneur led the way in privatizing the development and distribution of cost-effective high-yielding varieties and hybrid seeds. He began farming on his family's land in the 1950s, experimenting with a high-yield okra hybrids given to him at the World Agricultural Fair in New Delhi. Seeing the importance of investment, Dr. Barwale as a young farmer sought to develop his family’s farm with extra hired workers and innovative irrigation. By 1961, his success had attracted the attention of the Rockefeller Foundation, which was cooperating with the Indian Council of Agricultural Research to build a private-sector seed industry in the country. Over the next three years, Dr. Barwale was marketing hybrid corn and sorghum in addition to his own okra seeds. In 1964, he started Mahyco where he cultivated the higher efficiency seeds and began selling them to area farmers at an affordable price. Dr. Barwale was aptly felicitated with **12th World Food Prize** in 1998. The President of India awarded him with **Padma Bhushan Award** in 2001 for his distinguished service of high order in the field of trade and economic activity.

Dr Barwale was very closely associated with the Indian Society of Plant Genetic Resources since its inception, contributing generously towards activities and awards of ISPGR. Just prior to his sudden demise on July 24, 2017, Dr Barwale had consented for institution of an award in his name, based on the recommendations of a Committee that reviewed ISPGR awards.

**Objective of the Award**

**Dr B.R. Barwale Award for Application/ Excellence in PGR** was instituted by ISPGR in 2017 to recognize the work of scientists/researchers who have significantly contributed in any area of PGR science or application, including collecting, characterization, evaluation, conservation, use (e.g. development of varieties) and other matters for its management. The award is to encourage mid-level scientists working in the PGR domain. The award is supported by generous contribution made by the family of late Dr B.R. Barwale.

**Description of the Award**

* The Award consistsof a cash prize of Rs. 1,00,000**,** citation and plaque of honour.
* The Award is given annually.

**Eligibility**

* The award is to be given to an Indian citizen.
* The Award is meant for mid-career scientists to be given to persons who have made significant contributions in research/management of plant genetic resources, with special reference to India.
* A deceased person will not be considered for the Award. However, the Award may be given posthumously in the event of death of the applicant/ nominee.
* The age of the person should not be more than 55 years on the date of application.

**Procedure for application/nomination**

* Application/nomination should be sent in the prescribed application/nomination form (attached).
* Application/nomination accompanied with a brief resume of his/her work should be sent to the General Secretary, Indian Society of Plant Genetic Resources, New Delhi.
* One hard copy and one soft copy of application /nomination form are required to be submitted.
* Application/nomination will be valid only for the year for which applied/nominated.
* Application/nomination received after the due date will not be considered.

**Selection Procedure**

* Selection of the Awardee will be made by a committee of eminent experts constituted by the Executive Council of Indian Society of Plant Genetic Resources.
* The Selection Committee will critically examine the information provided in the application/nomination form including the significant contributions made and publications brought out by the candidate
* The recommendations of the Selection Committee will be perused and considered by the Executive Council
* The Executive Council will take a final decision for the selection of Awardee.
* The deliberations relating to final selection will not be revealed and made public.
* The selection made by the Executive Council will be deemed final and no protest against the selection will be entertained by the Indian Society of Plant Genetic Resources.

### Indian Society of Plant Genetic Resources

c/o ICAR-National Bureau of Plant Genetic Resources

Pusa Campus, New Delhi - 110 012, INDIA

Tel: 25802817; E-mail : ispgr2015@gmail.com

**Application/Nomination form for**

|  |
| --- |
| **Dr B.R. Barwale Award for Application/ Excellence in PGR (2021)** |

Name of Applicant

|  |
| --- |
|  |

(Name and Affiliation)

**Indian Society of Plant Genetic Resources**

Insert recent colour photo

c/o ICAR-National Bureau of Plant Genetic Resources

Pusa Campus, New Delhi - 110 012, INDIA

**BIODATA OF NOMINEE**

|  |  |  |
| --- | --- | --- |
|  | Name in full | Dr/Mr/Ms  |
|  | Date of Birth (age as on last date of application) |  |
|  | Nationality |  |
|  | Field of specialization |  |
|  | Present Position/ Designation(last post held, if retired) |  |
|  | (a) Official Address |  |
|  | Tel No (with STD code) |  |
|  | Mobile no. |  |
|  | E-mail |  |
|  | (b) Residential Address |  |
|  | Tel No (with STD code) |  |
|  | Mobile No. |  |
|  | E-mail |  |

1. **Academic and Professional Record**
2. **Post Graduate Degree onwards** (MSc/PhD/Post-Doc/DSc/Other)

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree/Diploma** | **University/ Institution** | **Year** | **Grade/ Score/ Division** |
|  |  |  |  |
|  |  |  |  |

1. **Employment record** (reverse chronological order)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Position Held** | **Organization** | **Institution & Place of Posting** | **Period (From-To)** | **Duration (Year, months)** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. **Trainings undertaken**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Training**  | **Place** | **Period (From-To)** | **Duration** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**2. Significant Achievements of the Applicant/Nominee (50 marks)**

1. **Research achievements/services rendered in relation to PGR** (*max 20-marks*)

(e.g. germplasm exploration and collection, introduction, exchange, plant quarantine, characterization, evaluation, conservation, utilization, documentation, taxonomy, DNA fingerprinting and other related activities such as policy etc.)

*(max 4 marks for each major achievement as PI, 2 marks as Co-PI)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Research Project Name (PI/Co-PI) | Funding Agency and Period | Major Achievements | Reference | For Office Use |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. **Products, Technologies & Intellectual Property Rights** *(max. 25 marks)*

(Development of varieties/databases/apps/softwares/web resources/products; award of patent/copyright/plant variety registration/trademark etc. relevant to PGR management - 3 marks as main developer, 2 marks as Co-PI/associate)

(Unique genetic stocks/germplasm registered; Development of new products/protocols/concepts; Guidelines/SOPs developed for PGR management, innovative work for furthering PGR {e.g. new facility development, awareness generation/extension activities/ promoting grassroot level participation, farmers/ tribal communities to maintain and sustain valuable diversity etc.} - 2 marks as main developer, 1 marks as Co-PI/associate)

*Please restrict to max. 15 outputs*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Product/Technology/IPR | Reference | PI/Co-PI | For Office Use |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. **Participation in conference/symposia/meetings related to PGR (***max 5 marks***)**

(2 marks for International, 1 for national for oral presentation/convenor/secretary; 1 mark for International, 0.5 for national for poster/abstract)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Name of Conference/symposia/trainings | Role (Lead/keynote speaker, Oral presenter, Convener, Coordinator, Secretary etc.) | Place  | Date | Organized by | For Office Use |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**(3)** **Publications (Total 40 marks)**

|  |
| --- |
| 1. **Research Papers (25 most important papers)** (*max marks 25*)

List below research publications in the descending order of Journals of impact and high standing (as identified by the NAAS): indicating name of author(s), year, title, name of journal, volume no. and page nos. or doi. Indicate your name with **bold font**, and underline name of corresponding author.*List of Journals identified by the Academy and their assigned weightage is available on Academy web site* [*http://www.naasindia.org*](http://www.naasindia.org)(2 marks for NAAS rating above 8.0; 1 mark for NAAS rating 7-8; 0.5 mark for NAAS rating below 7. Score 100% marks for first/corresponding author, 75% for second onward) |
| **S. No.** | **List of Publications** | **NAAS rating** | **Number of citations (google scholar/ Scopus/Web of science)** | **Marks**  |
|  | For Office Use |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| 1. **Papers published Indian Journal of Plant Genetic Resources** *(max. 5 marks)*

(1.5 marks for Full length paper; 1.0 mark for Short Communication/Other; 100% marks for first/corresponding author; 75% for second onward)Indicate your name with **bold font**, and underline name of corresponding author.*Papers listed here should not be already listed in section 3(b)* | Marks | For Office Use |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **(c) Books /Book chapters** *(max. 5 marks)*(Authored book 2 marks each, Edited book 1 mark, and book chapter 0.5 mark, each)Only list books with ISBN no., or those with at least 100 pages and published by a reputed publisher or organization such as ICAR, CSIR, Academies, Societies etc. | Marks | For Office Use |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **(d) Other Publications** (*max. 5 marks*)(Policy Documents/Briefs/Proceedings :1 mark each, Catalogues/Manuals: 0.75 mark each; Technical Bulletins/Germplasm Reporter/Popular Articles etc. 0.5 mark each) | Marks | For Office Use |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**4. Awards & Honors (10 marks)**

|  |  |  |
| --- | --- | --- |
| 1. **International Awards/Recognition** (*max. 3 marks*)

(0.75 mark for each award/recognition given by government/inter-government organizations, including fellowships, Chairs of committees/task force, leadership position, President/Secretary of Societies, Editor of reputed journal etc.) | Marks | For Office Use |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| 1. **National Awards/Recognition** (*max. 3 marks*)

(0.5 mark for each award/recognition given by government/autonomous organizations, universities, National Academies, including fellowships, Chairs of committees/task force, leadership position, President/Secretary of Societies, Editor of reputed journal etc.) | Marks | For Office Use |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| 1. **Contribution to ISPGR Activities/Office** *(max. 2 marks)*

(0.5 mark for each for major contribution, 0.25 for minor) | Marks | For Office Use |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| 1. **Life membership of ISPGR** *(max. 2 marks)*

(0.5 marks for each year beyond ten years) | Marks | For Office Use |
| Date of becoming ISPGR Member(receipt no, if available) |  |  |  |

**5.Any other Achievement/Accomplishments not captured above**

1. **Summary Statement of Overall Achievements**

A concise statement (about 250 words) highlighting the most important contributions and special attainments of the applicant/nominee and their impact on advancement of plant genetic resources management/science/policy.

|  |
| --- |
|  |

1. **Please provide the total list of publications (research papers in peer reviewed journal, books, book chapters, manuals, technical bulletins, technical articles) separately as annexure.**
2. **Declaration**

I have no objection for considering my candidature for the **Dr B.R. Barwale Award for Application/ Excellence in PGR (2020)** of ISPGR. I certify that no vigilance/ disciplinary proceedings are pending against me and the information given above is correct to the best of my knowledge.

Place:

Date: Signature of the Applicant

(Name: )