**Indian Society of Plant Genetic Resources**

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

**Dr S.K. Vasal Award for Efficient Use of PGR (2021)**

**Contributions of Dr S.K. Vasal**

Dr Surinder Kumar Vasal is a distinguished Indian geneticist and plant breeder, and alumni of IARI, New Delhi. He is renowned for development of Quality Protein Maize (QPM), while working at the International Maize and Wheat Improvement Center (CIMMYT), Mexico. Dr Vasal worked with biochemist Dr Evangelina Villegas for 35 years to develop a protein enriched form of maize in the 1970s. The QPM is created by adding protein to low nutrient corn and is referenced as "miracle maize" because of its role in alleviating malnourishment. This was accomplished by Dr Vasal by adopting several breeding approaches. Using a vast genepool of maize genetic resources, he developed donor stocks from which many QPM germplasm were generated through a modified backcross programme and various recurrent selection procedures, Subsequently QPM populations and genepools were generated to meet germplasm needs for various agroclimatic conditions. In addition to improving the nutritional value of maize, its productivity was also increased, through inbreds and hybrid development initiatives. Several superior QPM germplasm products are spread commercially in developing countries of Asia, Central and South America, and Africa. Dr Vasal and Dr Villegas were jointly awarded the World Food Prize in 2000 for their work on QPM.

**Objective of the Award**

**Dr S.K. Vasal Award for Efficient Use of PGR** is instituted by ISPGR from 2021, to recognize those who have shown professional excellence in the utilization of plant genetic resources, including areas of pre-breeding, genetic enhancement, use of germplasm or crop wild relatives for breeding, widening genetic base of crops etc. The award is to encourage a scientist (or team of 2-4 scientists) who have dedicatedly used PGR for developing advanced materials, that have impacted agricultural growth/ sustainability. The award is supported by generous contributions made by Dr S.K. Vasal to ISPGR since 2021.

**Eligibility**

* The award is to be given to an Indian citizen.
* The Award is meant for a scientist or a team of scientists (multidisciplinary, 2-4).
* 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.
* There is no age bar.

**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.

**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**

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| **Dr S.K. Vasal Award for Efficient Use of PGR (2021)**  |

Name of Applicant

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(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**

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

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| **Degree/Diploma** | **University/ Institution** | **Year** | **Grade/ Score/ Division** |
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1. **Employment record** (reverse chronological order)

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

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**2. Significant Achievements of the Applicant/Nominee (60 marks)**

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

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

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|  | Research Project Name (PI/Co-PI) | Funding Agency and Period | Major Achievements | Reference | For Office Use |
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1. **Products, Technologies & Intellectual Property Rights** *(max. 35 marks)*

(Development of varieties/databases/apps/softwares/web resources/products; award of patent/copyright/plant variety registration/trademark etc. relevant to PGR use - 4 marks as main developer, 3 marks as Co-PI/associate)

(Unique genetic stocks/germplasm registered; Development of new products/protocols/concepts; Guidelines/SOPs developed for PGR use, innovative work for furthering PGR} - 3 marks as main developer, 2 marks as Co-PI/associate)

*Please restrict to max. 15 outputs*

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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)

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|  | Name of Conference/symposia/trainings | Role (Lead/keynote speaker, Oral presenter, Convener, Coordinator, Secretary etc.) | Place  | Date | Organized by | For Office Use |
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**(3)** **Publications (Total 35 marks)**

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| 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**  |
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| 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 |
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| **(c) Books /Book chapters** *(max. 3 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 |
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| **(d) Other Publications** (*max. 2 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 |
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**4. Awards & Honors (5)**

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| 1. **International Awards/Recognition** (*max. 2 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 |
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| 1. **National Awards/Recognition** (*max. 2 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 |
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| 1. **Contribution to ISPGR Activities/Office** *(max. 1 marks)*

(0.5 mark for each for major contribution, 0.25 for minor) | Marks | For Office Use |
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| 1. **Life membership of ISPGR** *(max. 1 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.

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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 S.K. Vasal Award for Efficient Use of PGR** 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: )