

Guidelines for Submission of Young Scientist Award Nominations

Associate Scheme is open to serving scientists, upto age of 35 years as April 15, 2024, working in agriculture related disciplines in Research/Academic Systems in India.

Duly completed online Nomination Form should be submitted by the Proposer on the Academy's nomination portal latest by **May 1, 2024 before 1200 a.m. midnight**.

Nominations will be grouped under the following 8 sections:

- I. **Crop Sciences**, covering Genetics and Plant Breeding, Plant Genetic Resources, Plant Biotechnology, Plant Physiology & Biochemistry, Seed Technology, Post-Harvest Technologies, and Bioinformatics for all field crops
- II. **Horticultural Sciences**, covering Genetics and Plant Breeding, Plant Genetic Resources, Plant Biotechnology, Plant Physiology & Biochemistry, Seed Technology, Post-Harvest Technologies, and Bioinformatics for all horticultural crops
- III. **Animal Sciences**, covering Animal Genetics & Breeding, Animal Nutrition, Animal Physiology, Animal Biochemistry and Biotechnology, Animal Production, Animal Reproduction, Animal Health, Animal Products Technology, Dairy Sciences, Poultry Sciences, and Bioinformatics
- IV. **Fisheries Sciences**, covering Fish Genetics & Breeding, Fish Nutrition, Fish Pathology, Fish Biotechnology, Fish Biosystematics, Fish Processing & Technology, Fisheries Resource Management, Aquaculture, and Bioinformatics
- V. **Natural Resource Management Sciences**, covering Agricultural Meteorology, Agronomy, Environmental Science, Forestry, Agroforestry, Soil Science including Soil Microbiology, Water Management (other than Soil and Water Engineering), Agricultural Physics, and Bioinformatics
- VI. **Plant Protection Sciences**, covering Agricultural Chemicals, Agricultural Entomology, Plant Pathology, Nematology, Microbiology, Organic Chemistry, and Bioinformatics
- VII. **Agricultural Engineering and Technology**, Farm Machinery & Power, Soil and Water Engineering, Agricultural Process Engineering, Value addition and Post-Harvest Technology, Food Technology, Textile Technology and Computer Application including Bioinformatics in Agriculture
- VIII. **Social Sciences**, covering Agricultural Economics, Agricultural Statistics, Extension Education, and Community Science, including Food Science and Nutrition

Last date for submission of nomination

1. The complete nomination should be submitted online on or before May 1, 2024 before 1200 a.m. midnight. No updates/reprints/ additional information shall be considered after the deadline is over.

Before sending the nomination, please ensure the following:-

1. A softcopy of each of the best 20 papers is attached.
2. A softcopy of each of the proofs for claims made in items (3) & (4) in Part – B of the Nomination Form is attached.
3. Please ensure that all the information provided in Part B of the Nomination Form is correct to the best knowledge of the Proposer.
4. Please note that Technology / Product mentioned should be other than those claimed in 20 best publications.
5. Proofs of category of Technology / Commercialization / Patent / Copyright / Developer / Co-developer must be enclosed.
6. All columns in application including Technology, Products, Books and Awards must be filled in with complete details otherwise no marks will be given.

Guidelines for Evaluation of Nominations for Young Scientist Award of the Academy

Allocation of marks for different criteria:

- | | |
|---------------------------------------|---------------------------|
| 1. Publications | – maximum 60 marks |
| 2. Products & Technologies | – maximum 30 marks |
| 3. Awards & Honours | – maximum 10 marks |

1. PUBLICATIONS (Max. 60 marks)

- i) The nominees should submit the list of their 20 best research publications, of relevance to the discipline of agriculture representing the section, in chronological order. The Reviews and Review Articles will not be given any marks. For each publication give name(s) of the author(s), indicate the corresponding author by asterisk '*' after his/her name, year of publication, full title, name of the journal, volume No. and page Nos. For NAAS scoring of journals, list of Journals as identified by NAAS and available on Academy website: www.naas.org.in may be consulted and the Journal ID should be mentioned in the column provided in the proforma against each publication. For Thomson Reuters Impact Factor (IF) journals, NAAS Score = 6.0 + IF with capping on 20.00.
- ii) Multiple authorship: The present criteria of full marks to the first and corresponding author and 75% to all the co-authors may continue.
- iii) The total NAAS Score of all 20 publications will be obtained and multiplied by 0.3 with a cap of maximum of 60 marks.
- iv) A nominee must have a minimum score of 50% i.e. 30 marks in Publications for further evaluation.

2 PRODUCTS AND TECHNOLOGIES¹ (Max. 30 marks)

Note: An illustrative (but not exhaustive) description of indicators is provided below for allocation of marks. The Sectional Committees may consider equivalent indicators for scoring and award of maximum marks as given below depending upon relevance and level of penetration of product/technology among stakeholders. For online products, URL should be accessible.

	Indicators	Marks
i.	Developer ² of each patented and commercialized product/each plant variety Gazette Notified by the CVRC/ animal, fish, bird breed (strain) authenticated by accredited body (national level)/New extension models/concepts/methodologies developed and recognized at national level	6.0
ii.	Developer of each patented product (not commercialized)/Associates of plant variety released by the Gazette Notified by Central Sub-Committee on Seed Standards, Notification and Release/ associate developer of animal, fish, bird breed(strain), with evidence of sale by demand of consumer farmers or other users such as breeder seed indent, production contract with the organization, authenticated by accredited body (national level)/Large scale success stories having impact across states and recognized at national level	4.0
iii.	Developer of each product (not covered by items I and II above) released by a constitutional committee/ Developer of plant variety released by the SVRC (State Level) and notified by Central Sub-Committee on Seed Standards, Notification and Release, with evidence of sale by demand of consumer farmers or other users such as breeder seed indent, production contract with the organization, authenticated by accredited body, Development of Value Chain/Model Village/Nutri-Smart Village	3.5
iv.	Product /technology (not covered by items I, II and III above) developed and commercialized/ Breeder of each non-notified/released crop variety protected under PPVFRA registry/unique indigenous germplasm/genetic stock registered at National repository/Development of smart village/Models of institutional innovations/ extension models/ ICT based extension programmes or any copyrighted product / technology comprehensive software	3.0
v.	Product/ technology developed and used/ Associates of plant variety released by the SVRC and notified by Central Sub-Committee on Seed Standards, Notification and Release/Policy Papers/Strategy papers/ Strategy documents developed at national/ICAR/DARE level/comprehensive software/web resource	2.0

¹ Developer (one) shall be awarded 100% marks, while all Co-developers/Associate 50%.

² Developer should certify that the Co-developer/Associate has been involved in development of the variety / germplasm at least for 2 years.

Developer of Products and Technologies authenticated by accredited body at national level

- **Products:** including variety, unique indigenous germplasm/genetic stock, chemical and biochemical formulation, diagnostics, vaccines, drug formulation, feed formulation, models of institutional innovations, programming, simulation or statistical models and computer software, including extension software such as expert systems and interactive multimedia, new pest and pathogen identified, new machines/equipment or major modifications in them and development of new value-added products that have been economically evaluated and adopted or have the potential to be adopted on a wide scale. In the case of social sciences, it may include New models/concepts/methodologies developed, special reports, policy papers, etc. with evidences of influence on research priorities, economic policies and programmes.
- **Technologies:** Research findings that become sustainable practices among the stakeholders. These include integrated pest management, integrated resource management, integrated farming system models, water harvesting and conservation methods, post-harvest technologies, institutional innovations, livestock and poultry, improvement and innovative extension efforts leading to large scale diffusion and adoption of technologies.

Documentary evidence should be enclosed for the patents/ copyright, adoption of products and technologies and their impact on livelihood of farmers/commercial value and acceptance by clients/stakeholders.

In outstanding cases where an extraordinary contribution such as development of a product/technology which has made large scale impact either at national or international level, for example development of HD2967 variety of wheat and zero-till drill, the Sectional Committee may award as much high marks as possible after critical examination of the claims of the nominee vis-à-vis co-workers. Such recommendations must be brought to the attention of the joint meeting of the conveners for ratification.

3. AWARDS, HONORS, FELLOWSHIP OF NATIONAL SCIENCE ACADEMIES, etc (Max. 10 marks)

Allocation of marks for Awards, Honours, Fellowship of National Science Academies etc. are given below:

Awards by ICAR, CSIR, DST, DBT, DRDO, NRDC, ISCA, National Science Academies, Central Govt. Departments etc.	(2 marks each)
Young Scientist Award/Associateship by the National Science Academies	(2 marks each)
Minimum 6 month Fellowship from organizations like DBT, DST, Commonwealth, DAAD, Alexander von Humboldt etc.	(2 marks each)
National and International level Professional Society and Academy (not covered above) Awards/Recognition (Fellowship; Associateship; Secretary, Editor-in-Chief, Editor and Member of Editorial Board	(1 mark each limited to maximum 5 marks)