



# National Academy of Agricultural Sciences

Dr. K.V. Prabhu  
Secretary



NAAS/IX.16/15/433  
January 12, 2016

**Subject: Nominations for Academy Awards for the Biennium 2015-2016**

Dear Sir,

**Greetings and Best Wishes for the New Year 2016**

I am happy to inform you that the National Academy of Agricultural Sciences (NAAS) has instituted prestigious **Memorial Awards** (6 Nos.), **Endowment Awards**, (2 Nos.) **Recognition Awards** (6 Nos.) and **Young Scientists' Awards** (6 Nos.) for recognizing the contributions of agricultural scientists for their promoting excellence in agricultural research in India. Information about these awards and procedure for nominations are given in the enclosed Announcement. I shall be grateful if you could kindly nominate suitable scientists for the Awards in the prescribed proforma available on Academy's web site [www.naasindia.org](http://www.naasindia.org) and send the same duly completed in all respect so as to reach in the Academy on or before **31<sup>st</sup> March 2016**.

With kind regards,

Yours sincerely,

(K.V. Prabhu)

To

Directors and Joint Directors of ICAR Institutes

To be displayed  
in internet  
23/1





# NATIONAL ACADEMY OF AGRICULTURAL SCIENCES

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## Announcement

### ACADEMY AWARDS FOR THE BIENNIUM 2015-2016

*(Last date for receipt of Nominations is March 31, 2016)*

The National Academy of Agricultural Sciences has instituted various Awards for recognizing significant contributions of senior, middle level and young scientists to promote agricultural research. These awards are presented biennially at the time of Agricultural Sciences Congress. Nominations for the under mentioned categories of Awards are invited for the year 2015-2016. Persons eligible to nominate are the Fellows of NAAS/ Previous Awardees; DG/DDGs/ADGs of ICAR; Secretaries of Scientific Departments (Science & Technology, Biotechnology, Earth Sciences, Space, Atomic Energy); Presidents of Science Academies; Directors/Joint Directors of ICAR Research Institutes/NRCs/Project Directorates; Directors of Institutions of CSIR / ICMR; Vice Chancellors/ Directors/Deans of SAUs/ CAUs; Chairman UGC / ASRB / BARC; Principal Scientific Advisors, GOI; Presidents of all Professional Societies in the field of Agriculture; Heads of CGIAR Centres; Chairman of NGOs engaged in R&D in Agriculture.

#### SELF NOMINATIONS ARE NOT ACCEPTABLE.

#### I. MEMORIAL AWARDS

These awards are for life time contributions to the cause of Indian Agriculture including Research, Education and Transfer of Technology. The Awardee's contribution should have been recognized nationally/internationally and supported by significant publications. The Awardee shall be a distinguished Scientist above 55 years in age.

1. **Dr. B.P. Pal Memorial Award for Excellence in Agricultural Sciences:** This award is the apex award of the Academy. It is given once in two years for singular outstanding overall contribution to agriculture. The awardee can be from any science relevant to agriculture. The award consists of a scroll, a silver plaque of value not exceeding Rs. 1,00,000/-
2. **Dr. K. Ramiah Award:** For outstanding contributions in Agricultural Research in Plant Production including Genetics, Plant Breeding, Cytogenetics, Physiology, Biotechnology and Biochemistry of crops, fruits, vegetables, flowers, medicinal plants and forest trees.
3. **Dr. K.C. Mehta Award:** For outstanding contributions in Plant Protection including Entomology, Plant Pathology, Nematology, Microbiology and Agro-chemicals.
4. **Dr. M.S. Randhawa Award:** For outstanding contributions in Agricultural Administration, Transfer of Technology and Social Sciences.
5. **Dr. N.S. Randhawa Award:** For outstanding contributions in Natural Resources Conservation and Management, and Environment Sciences including Agronomy, Meteorology and Agro-forestry.
6. **Dr. P. Bhattacharya Award:** For outstanding contributions in Animal Sciences/ Animal Production Systems & Fisheries.

The awards from Sl. No. 2 to 6 consist of a citation and a silver plaque, the value of which shall not exceed Rs. 50,000/-.



## II. ENDOWMENT AWARDS

The Endowment Awards shall be treated at par with Memorial Awards for the purpose of selection of awardees, and carries a **citation and silver plaque, the value of which shall not exceed Rs. 50,000/-**. The two Endowment Awards are:

- (i) **Dr. L.C. Sikka Endowment Award:** The award will be given to an outstanding scientist for contributions towards ensuring food and nutritional security. The awardee can be from any branch of science relevant to agriculture.
- (ii) **Dr. (Ms) Prem Dureja Endowment Award:** The award will be given to an outstanding *woman scientist* for her overall contribution to agriculture.

## III. RECOGNITION AWARDS

1. These awards are for distinguished contributions to the advancement of knowledge/ technologies in the relevant scientific disciplines of the particular area of agricultural sciences for which the award has been instituted. The research contributions should be based on work carried out in India as evidenced by publications in scientific journals of repute and products and technologies developed. The period of assessing the contributions shall be upto the year of nomination. The awards shall be given to the distinguished scientists in the age group of **35-55 years** who are **Fellows of the National Academy of Agricultural Sciences** in the following areas:

- a. **Plant Improvement** including Genetics, Plant Breeding, Cytogenetics, Physiology, Biotechnology and Biochemistry of crops, fruits, vegetables, flowers, medicinal plants and forest trees.
- b. **Plant Protection** including Entomology, Plant Pathology, Nematology, Microbiology, Agro-Chemicals and Organic Chemistry.
- c. **Soil, Water and Environmental Sciences** including Natural Resource Management, Soil Sciences, Water Management, Environmental Sciences, Agronomy, Meteorology and Agro-forestry.
- d. **Animal Sciences** including Veterinary Science, Dairy Science, Poultry Science, Fishery and Aquatic Resources.
- e. **Agricultural Engineering** including Farm Machinery & Power, Soil & Water Engineering, Agricultural Process Engineering, Textile Chemistry and Computer Application in Agriculture.
- f. **Social Sciences** including Agricultural Economics, Agricultural Statistics, Extension Education, Bioinformatics, Food Science & Nutrition, Food Technology & Home Sciences.

2. Each award consists of a **citation and a silver plaque, the value of which shall not exceed Rs. 30,000/-**

## IV. YOUNG SCIENTISTS' AWARDS

1. The primary objective of this category of awards is to encourage young scientists of promise and creativity through their contributions to agricultural sciences after obtaining Ph.D. degrees.
2. Scientists below the age of 35 years are eligible for this award.
3. There will be six awards, one in each area of agricultural sciences as given above for the Recognition Awards.
4. Selection will be made on the basis of nominations received in the prescribed proforma.
5. Each award will consist of a **citation, and a gold plated silver medal, the value of which shall not exceed Rs. 25,000/-**

**Note:** Nomination Form can be downloaded from the Academy web site [www.naasindia.org](http://www.naasindia.org), duly filled in and sent to the Executive Secretary, National Academy of Agricultural Sciences, NASC, Dev Prakash Sastry Marg, New Delhi 110 012 so as to reach the Academy on or before March 31, 2016.





# National Academy of Agricultural Sciences

NASC, DPS Marg, New Delhi - 110 012

## NOMINATION FORM FOR ACADEMY AWARDS 2015-2016

Name of the Award for which nominated: \_\_\_\_\_

1. Name in full (in block letters) :  
(Surname followed by given name) \_\_\_\_\_

2. Date & Place (Town/ Village, District, State,  
Country) of Birth: \_\_\_\_\_

3. Nationality \_\_\_\_\_

4. Field of specialization

(i) Major discipline (Section): \_\_\_\_\_

(ii) Area of specialization: \_\_\_\_\_

5. Present Position/Designation:  
(last post held, if retired) \_\_\_\_\_

6. Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tel. Off. : \_\_\_\_\_ Res. \_\_\_\_\_

Mobile : \_\_\_\_\_

Fax : \_\_\_\_\_

Email : \_\_\_\_\_

(Give STD code for Telephone & Fax No.)

Note: Persons eligible for making nominations are Fellows of NAAS / Previous Awardees; DG/DDGs/ADGs of ICAR; Secretaries of Scientific Departments (Science & Technology, Biotechnology, Earth Sciences, Deptt. of Space, Atomic Energy); Presidents of Science Academies; Directors/Joint Directors of ICAR Research Institutes/NRCs/Project Directorates; Heads of Institutions of CSIR, ICMR; Vice Chancellors/ Directors/Deans of SAUs/CAUs; Chairman UGC, ASRB, BARC; Principal Scientific Advisors, GOI; Presidents of all Professional Societies in the field of Agriculture; Heads of CGIAR Centres; Chairman of NGOs engaged in R & D in Agriculture. In addition, the nomination for Young Scientist Award can be forwarded by the concerned Head of the Department.

**SELF NOMINATION IS NOT ACCEPTABLE.**

**7. Academic career and professional attainments**

(a) Degree	University/Institution	Year	Distinction, if any

(b) Position held	Institution	Duration

**8. Special attainments of the nominee (maximum 200 words)**

**List of Research Publications:** List research publications in the descending order of NAAS score of the Journals indicating name of author(s), year of publication, title, name of the journal, volume No. and page Nos. In case of papers accepted for publication, the proof of acceptance should be enclosed.

(a) **Twenty most important research publications** *(please attach copy of each publication)*

Sl. No.	List of Publication	NAAS Journal ID	Remarks by NAAS Secretariat

(b) **Twenty next important research publications** (other than 20 best given in (a) above)

Sl No.	List of Publication	NAAS Journal ID	Remarks by NAAS Secretariat

**10. Concepts/Processes/Patents/Products/Technologies/Books** (Please see Sl. No.1: Allocation of Marks)

I. Concepts, Processes and Patents

II. Products and Technologies

III. Books

**11. Awards & honors, including Scientific Leaderships** (Please see Sl. No.2: Allocation of Marks)

International/National Honor/Awards of high repute given by Government or Inter-Governmental Organizations

Proven leadership in institution building/advance centre of national/international repute

D.Sc. (Hon.)

Fellowships of National Science Academies



Other Honors/Awards by ICAR, CSIR, DST, DBT, NRDC, National Science Academies, etc.
International Post-Doctoral Fellowships/Awards
Young Scientist Awards/Associateship by the National Science Academies
National level Best Teacher/Researcher/Extension Worker Award
Awards by the Universities, Deemed to be Universities and State Government
National level Professional Society Award (a) Gold Medal, Fellowship, Honorary Membership based on the professional achievements  (b) Other awards/recognitions (excluding paper/poster award)
Institute level Best Teacher/Researcher/Extension Worker award
Chair of prestigious committees/taskforce; President/Secretary of professional societies; Leadership position in research programmes or research organizations

I certify that the information given in the form is correct.

**Date:**

**Signature of Nominee**

Particulars of Nominator	Remarks about the suitability of the nominee
Signature of the Nominator:.....	
Name: .....	
Address: .....	
.....	
Date :.....	

## GUIDELINES FOR EVALUATION OF NOMINATIONS FOR ACADEMY AWARDS

- ❖ **Memorial Awards:** Overall outstanding contributions of the nominee as evidenced through national/ international recognitions and publications shall be the basis for judging the nominees for the Awards.
- ❖ **Endowment Award:** (i) While Dr. L.C. Sikka Award is for overall outstanding contributions to any branch of science relevant to agriculture towards ensuring food & nutritional security, Dr. (Ms) Prem Dureja Award is for outstanding **woman scientist** for her overall contribution to agriculture.
- ❖ **Recognition Awards:** These awards are for distinguished contributions to the advancement of knowledge/technologies in the particular scientific disciplines of agricultural sciences. The awards shall be given to the distinguished scientists who are Fellows of this Academy in the age group of 35-55 years.

### Distribution of Marks (Total 100 Marks)

#### Publications 40 Marks

- (a) Twenty most important research publications: 30  
*Each publication will be given a maximum of 3.0 marks with a cap of maximum 30 marks*
- (b) Next 20 research publications (other than above 20 publications): 10  
*Each publication will be given a maximum of 1.0 mark with a cap of maximum 10 marks*

#### Concepts, Processes, Patents, Products, Technologies & Books 40 Marks

*(See details at Sl. No. 1: Allocation of Marks)*

- Group I Concepts, Processes and Patents 10
- Group II Products and Technologies 25
- Group III Books 5

#### Awards & honors, including Scientific Leaderships 20 Marks

*(See details at Sl. No. 2: Allocation of Marks)*

- ❖ **Young Scientist Awards:** The primary objective of this category of awards is to encourage young scientists below the age of 35 years of promise and creativity reflected through their contributions to agricultural sciences after obtaining Ph.D. degree.

### Distribution of Marks (Total 100 Marks)

#### Publications 70 Marks

- (a) Twenty most important research publications: 50  
*Each publication will be given a maximum of 5.0 marks with a cap of maximum 50 marks*
- (b) Next 20 research publications (other than above 20 publications): 20  
*Each publication will be given a maximum of 2.0 marks with a cap of maximum 20 marks*

#### Concepts, Processes, Patents, Products, Technologies & Books 20 Marks

*(See details at Sl. No. 1: Allocation of Marks)*

- Group I Concepts, Processes, Patents and Books 5
- Group II Products and Technologies 15

#### Awards & honors, including Scientific Leaderships 10 Marks

*(See details at Sl. No. 2: Allocation of Marks)*



## ALLOCATION OF MARKS

### 1. CONCEPTS, PROCESSES, PATENTS, PRODUCTS, TECHNOLOGIES & BOOKS

*Note: An illustrative (but not exhaustive) description of indicators is provided below for allocation of marks. The Judging Committees may consider equivalent indicators for scoring. The Committee may identify many other examples as they review the cases.*

#### Group I: Concepts, Processes and Patents

- **Concepts** such as propounding a new theory or describing pathways and mechanisms of a process. In case of social sciences, the concept may include new approaches/tools such as total factor productivity, social business and meta-evaluation.
- **Processes** such as development and description of steps/components of a process that explain the total mechanism of operation. These may also include development of new extension methodologies, methods of conservation agriculture, development of innovative methodologies for research prioritization and technology impact assessment and applications of new concepts.

*Marks should be allotted based on credible evidence either published in journal with at least 15 number of citations or included in a reputed text book or referred to in important planning and policy documents. Complete reference of the published papers or books or planning and policy documents should be provided.*

*Each concept and process scores 1 mark.*

**Since difference between concept and process is thin, double counting should be avoided.**

- **Patents** granted with details of Patent No., Accession No., Trade Marks for GI, Germplasm Registration and IP protection should be provided.

*Each patent scores 2 marks.*

#### Group II: Products and Technologies

- **Products:** Development of new products (eg. variety, unique 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 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 animal improvement and innovative extension efforts leading to large scale diffusion and adoption of technologies.

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

*Each product, variety and technology adopted in large scale by farmers/clients/stakeholders and made significant impacts scores 3 marks.*

*Each product, variety and technology adopted in ICAR/CSIR/ICMR Institutes/SAUs or entered in multi-location trials for validation, including socio-economic feasibility scores 1.5 marks.*

*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 Swarna and Mahsuri varieties of rice and zero-till drill, the Judging Committee may award as much high marks as possible after critical examination of the claims of the nominee vis-à-vis co-workers.*

### Group III: Books

Books with at least 200 pages with ISBN No., published by a reputed publisher or organization, such as ICAR, CSIR and National Academies. Books published by the research institutes/universities may not be considered.

*Each authored book scores 2 marks and edited book scores 1 mark.*

## 2. AWARDS, HONORS & SCIENTIFIC LEADERSHIP

- National and international awards of high repute given by Government or Inter-Governmental Organizations such as Rafi Ahmad Kidwai Award, Bhatnagar Award and Norman E. Borlaug Award 6
- Proven leadership in institution building/advance centre of national/international repute 6
- D.Sc. (Hon.) 4
- Fellowship of National Science Academies (INSA, NASI, IAS, INAE, NAMS) 4
- Other awards by ICAR, CSIR, DST, DBT, NRDC, National Academies, etc. 3
- International Post-Doctoral fellowships/awards such as Humboldt, Fulbright, DAAD, BOYSCAST, JSPS, Commonwealth, JIRCAS, including those from the international centres of higher learning 2
- Young Scientist Award/Associateship by the National Science Academies 2
- National level Best Teacher/Researcher/Extension Worker award 2
- Awards by the Universities, Deemed to be Universities and State Government 2
- National level Professional Society Award
  - (a) Gold Medal, Fellowship, Honorary Membership based on the professional achievements 2
  - (b) Other awards/recognitions (excluding paper/poster award) 1
- Institute level Best Teacher/Researcher/Extension Worker award 1
- Chair of prestigious committees/taskforce; President/Secretary of professional societies; Leadership position in research programmes or research organizations e.g. Director / Project Director; Editor of NAAS rated Journals, 1 mark each 5