



## Proforma for Nomination for New Category of Fellowship Indian National Science Academy (INSA)

### I. Scientists Working in Technology Missions of National Importance

### II. Scholars in the History and Philosophy of Science

- *These two categories have been created to recognize the contributions of highly successful technocrats and administrators of technology missions who do not meet the usual criteria for election to the fellowship.*
- *The nominators must ensure that the nominee really belongs to these two new categories and the contributions are not covered by any other regular category. The Search Committee reserves the rights to transfer the nomination to a regular category, if deemed appropriate.*
- *The candidate for the fellowship must be nominated by a proposer and a seconder; self-nominations will not be considered.*
- *Members of the Council cannot nominate any candidate during his/her tenure to avoid a possible conflict of interest.*
- *Only one nomination can be made for a candidate for the consideration of the most relevant Category. This must be ensured by the Proposer.*
- *Canvassing of any kind will lead to rejection of the nomination.*
- *Biography must be properly filled in all regards and sent as a single PDF document by email to [fellowship@insa.nic.in](mailto:fellowship@insa.nic.in). The name of the file should be:*

*Last Name-Initials-Category-Number-F-YYYY. For instance, the nomination of "Tarun Kumar Shashtradnya for New Category I" for the year 2020 should be named as follows:*

*[Shashtradnya-TK-New Category-I-F-2020.pdf](#)*

- *In addition to the PDF, a word file of item 23 should also be attached.*



## DECLARATION BY NOMINATORS

\*We, the undersigned Fellows of the Indian National Science Academy, propose and second the following as a candidate for election as Fellow of the Academy. We also declare that we are currently not members of the Council for the year of consideration:

**Name of the Nominee:** \_\_\_\_\_  
Title (Prof/Dr/Shri/Smt)    First Name    Middle Name/s    Last Name

<b>New Category: (I) Scientists Working in Technology Missions of National Importance (II) Scholars in the History and Philosophy of Science</b>	
<b>Proposed by</b>	<b>Seconded by</b>
Name:	Name:
Signature: (electronic or letter)	Signature: (electronic or letter)
*Certified from personal knowledge: Yes/No	*Certified from personal knowledge: Yes/ No
Remarks (if any) (attach a separate file)	Remarks (if any) (attach as a separate file)
Date:	Date:

(\* Nominators must give the nature of personal knowledge in the above remarks.)

## FOR INSA OFFICE USE

The nomination as pdf files and other documents on being received at the Office of the Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi-110002, online or by email shall be recorded, with the date of receipt in the book to be kept for the purpose.

Date of Receipt:

Whether considered earlier: Yes/No

Committee:

If yes, Years of consideration:

## Authorized Signatory

\* Each nominee shall be proposed and seconded by Fellows# on a form prescribed for the purpose. Of these, at least one shall certify from personal knowledge of his/her scientific attainments. The Vice-President (Fellowship Affairs) shall have power to sign a certificate on behalf of a Fellow not resident in India on receiving a written request from him/her.

# including Indian, Foreign and Pravasi Fellows.



## THE FORM OF UNDERTAKING BY THE NOMINEE

To:

The President  
Indian National Science Academy  
Bahadur Shah Zafar Marg  
New Delhi-110002

Dear President,

I, .....,  
agree to be admitted to the Indian National Science Academy as a FELLOW if elected in accordance with the by-laws as they now stand or the by-laws that may come into force after any amendments in future. I also state that there are no serious charges or court cases involving me on ethical, moral, or professional conduct which will make me ineligible for nomination as a Fellow. I waive my right to the information regarding any reviews received from the experts whose opinions are sought by INSA regarding my nomination. The information provided to the nominators is correct to the best of my knowledge and belief and is as per official record.

Date:

\_\_\_\_\_  
Signature of nominee

Place:



### BIOGRAPHICAL DETAILS OF THE NOMINEE

Category of Fellowship to which Nomination Belongs	(I) Scientists Working in Technology Missions of National Importance (II) Scholars in the History and Philosophy of Science			
1.	<b>Name of the Nominee</b>	:		
		:	First Name	Middle name/s
		:	Surname/Family name/Last Name	
2.	<b>Name to be addressed in correspondence</b>	:	Prof/Dr/Shri/Smt	
3.	<b>ORCID id (if applicable)</b>	:	0000-0000-0000-0000 (www.orcid.org)	
4.	<b>Personal Information</b>	:	(a) Date of Birth: DD-MM-YYYY	(b) Sex: M/F/T
		:	(c) Nationality:	Passport #:
		:	Place	Expiry Date:
5.	<b>Address and Name of the Institute where nominee carried out the work for which s/he is nominated</b>	:	Name of Institute:	
		:	Department/Centre/Unit	
		:	Name of Second Institute:	
6.	<b>Current Official Designation</b>	:		
	<i>(i) Name of Organization</i>	:		
	<i>(ii) Address</i>	:		
		:		
		:	Town/City:	State & Country:
		:	PIN/ZIP:	
		:	Institution website:	
		:	Personal website:	
	<i>Telephones</i>	:	Organization: (country, area)	Ext.
		:	Direct: (country, area)	
	<i>Official Email</i>	:	Official M: (country)	
	<i>Personal Email id</i>	:	Personal M: (country)	
7.	<b>Permanent address</b>	:		
		:		
		:		
		:	Town/City:	State & Country:
		:	PIN:	
		:	Landline #:(country, area)	
8.	<b>Address for Communication</b> <i>(Any change meanwhile must be communicated to INSA)</i>	:		
		:		
		:		
		:	Town/City:	State & Country:
		:	PIN:	
		:	Landline #:(country, area)	



9.	<b>Academic Qualifications</b>	:	#	Degree	College/ Inst.	State	Univ.	Year of Passing
			1.	Bachelors				
			2.	Masters				
			3.	M. Phil.				
			4.	Ph.D.				
			5.	Post-Doc. Fellow				
			6.	Any other (name)				
			7.	Any other (name)				
10.	<b>Details of Employment including Self Employment (Reverse chronology)</b>	:	#	Name and Address of Employer	Designation	Period (Month-Year)		
			•					
			•					
			•					
			•					
			•					
11.	<b>Field of Specialization</b>	:						
12.	<b>Technology Mission or History of Science</b>	:						
13.	<b>Relevant Statistics (if applicable)</b>	:	• No. of Peer reviewed Papers:		• International Patents:			
			• Conference Presentations:		• National Patents:			
			• Masters' Thesis Guided:		• Ph.Ds supervised:			
			• Current Masters Students:		• PDF guided :			
			• Current PDF:		• Current Ph.D. Students:			
			• Current Project Staff:		• Technology Transfer			
14.	<b>Membership and Fellowships of National &amp; International Academies, and Professional Societies. List positions as office bearers of any such bodies</b>	:	1.		7.			
			2.		8.			
			3.		9.			
			4.		10.			
			5.		11.			
			6.		12.			
15.	<b>Membership of Committees of UGC, AICTE, DST, DBT, SERB, DAE, DRDO, ISRO, MOEFCC, etc. (if any)</b>	:	1.		5.			
			2.		6.			
			3.		7.			
			4.		8.			
16.	<b>Awards &amp; Recognitions</b>	:	1.		4.			
			2.		5.			
			3.		6.			



17. **Confidential Reports and Other Publications in Public Domain:** *A list of most important reports or documents or policy documents in which the nominee was involved. Regular publications can be given in the following format.*

#	Authors (same order)	Title	Journal	Vol.	Year	Pages	DOI
1.*							
2.*							
3.*							
4.*							
5.*							
6.							
7.							
8.							
9.							
10.							

18. **Books or Book Chapters, Monographs, Editorship of Special Issues if any**

	Authors in the same order	Title	Author or Editor	Publisher, Place, Year	ISBN
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					

19. **List of Patents:** *Intellectual property, technological innovations, new products including new varieties of plants and crops, copyrighted design, and software including licensed technologies, products, designs, software, etc. may be mentioned. Provide the list of patents which are either granted or published. Include a statement if any technology was developed and transferred to industry. A complete list of patents may be attached separately.*

No.	Title of IPR/copyright	Names of Inventors	Country and Number	Year	If transferred to industry including its name
1.					
2.					
3.					
4.					



20.	<p><b>List of Noteworthy Presentations:</b> List of Keynote addresses, Orations, Award Lectures of national or international prestige during last 5 years could be provided.</p> <table border="1" data-bbox="251 388 1404 787"> <thead> <tr> <th>#</th> <th>Name of award lecture</th> <th>Awarding Organization</th> <th>Title</th> <th>Place</th> <th>Year</th> </tr> </thead> <tbody> <tr><td>1.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9.</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10.</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	#	Name of award lecture	Awarding Organization	Title	Place	Year	1.						2.						3.						4.						5.						6.						7.						8.						9.						10.					
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21.	<p><b>Any other relevant recognitions which will strengthen the nomination:</b></p>																																																																		
22.	<p><b>A critical analysis highlighting the most innovative contributions of the nominee with respect to current knowledge in the field (If necessary, attach additional sheets).</b> Kindly note if the nominee has been recognized by any major award, contributions of the nominee made after the award will carry weightage.</p>																																																																		
23.	<p><b>A brief statement, not exceeding 200 words, regarding the most innovative contribution of the nominee to the new category. The impact of the contribution should be highlighted.</b> (Please note that information beyond 200 words is liable to be deleted in the Book of Nominations - which is circulated to the Fellows). <b>(A separate word file should also be forwarded to INSA)</b></p>																																																																		
24.	<p><b>Citation:</b> A 50-word citation highlighting the work of the nominee which justifies the claim to the Fellowship must be provided for the purpose of introduction of the nominee at the induction ceremony, if s/he is elected. (This will be in addition to 200-word write-up required for Book of Nomination):</p>																																																																		
25.	<p><b>List of Experts:</b> Provide a list of 10 experts along with contact information who are leaders in the Nominee's Field. The experts can be from different geographical locations who could comment on suitability of the nominee. A comparison could be made with reference to the existing fellows of INSA in the same field. The proposer ought to inform the experts about this nomination stating that the Search Committee will contact them for their evaluation of the candidate.</p> <table border="1" data-bbox="251 1512 1404 1881"> <thead> <tr> <th>No.</th> <th>Name</th> <th>Designation</th> <th>Country</th> <th>Email id</th> <th>Telephone</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	No.	Name	Designation	Country	Email id	Telephone	1						2						3						4						5						6						7						8						9						10					
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26.	<b>Nominators' Details and Declaration about Conflict of Interest</b>				
	Name	Designation	Sectional Committee	Address	Email
	<p>We hereby declare that:</p> <p>(a) We have no conflict of interest in nominating this candidate whom I have known for ..... Years in my capacity as .....</p> <p>(b) We have verified that the work described in this form was carried out by the nominee in India and also confirm the accuracy of the information provided in this form. The candidate has signed an undertaking to this effect.</p> <p>(c) Currently we are not members of the Council of INSA, and should this nomination be carried forward to subsequent year (s) and meanwhile any one of us is elected to the Council, we will inform INSA and the candidate so that some other fellows who are not members of the Council should be approached for nomination or renomination.</p> <p>(d) We have nominated only one candidate for INSA Fellowship this year. S/He is also advised that only one nomination can be made for the Fellowship. No multiple nominations are made in this case.</p>				
			e-Signature:		
	Place:	Date:	Name of Proposer:		
	Place:	Date:	Name of Seconder:		
	(The proposer/seconder should send a letter of nomination by email at <a href="mailto:fellowship@insa.nic.in">fellowship@insa.nic.in</a> )				





## IMPORTANT INSTRUCTIONS TO NOMINATORS

Proposers may please ensure that the nomination form is duly completed and information as required by the Academy is sent ONLY as soft copies to [fellowship@insa.nic.in](mailto:fellowship@insa.nic.in).

- The Nomination is to be signed by **two Fellows**. Of these, at least one should certify from **personal knowledge** the scientific attainments of the nominee. The nature of personal knowledge must be specified in the proforma.
- Self-nominations will not be considered.
- **The Form of Undertaking by Nominee** must be submitted in the given format after duly filled and signed by the nominee. It should be attached to the PDF file by the proposer.
- The proposer must ensure that the cooling period of 2 years is over in case the candidate is renominated.
- The nomination is to be returned duly completed in all respects by the Proposer or the Secunder to the Executive Director, INSA, Bahadur Shah Zafar Marg, New Delhi 110 002 so as to reach not later than **a date specified by the Academy by email**. No hard copies are required.
- All entries in the nomination form should be completed.
- The primary criterion for election to the Fellowship will be contribution to the special field which could not be recognized in the regular Sectional Committee. e.g. contributions to new knowledge, new discoveries, development of new technologies of strategic importance, substantial improvement in existing technologies in defence, atomic energy or space programmes, etc.) which could not be published due to their proprietary or classified nature, and the economic impact of his/ her work. The work done in India should be given primary importance for nomination for Fellowship.
- A nomination will remain valid for consideration for 5 years. A renomination can only be made after waiting for a period of 2 calendar years.



## SUBJECT ALLOCATION TO SECTIONAL COMMITTEES

New Category: (I) Scientists Working in Technology Missions of National Importance  
(II) Scholars in the History and Philosophy of Science

SECTIONAL COMMITTEE I: *Mathematical Sciences*: Applied Mathematics, Pure Mathematics, Theoretical Computer Science, Statistics and Operations Research.

SECTIONAL COMMITTEE II: *Physics*: Astronomy, Astrophysics, Nuclear and High Energy Physics, Atomic, Molecular and Optical Physics, Statistical Physics, Theoretical Physics, Mathematical and Computational Physics, Condensed Matter including Soft, Liquids and Nano Materials, Cosmic Radiation, Cosmology, Space Physics, Basic Planetary Sciences, Lasers and Optoelectronics, Plasma Physics, Solar Physics, Atmospheric Physics.

SECTIONAL COMMITTEE III: *Chemistry*: Analytical Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Theoretical and Computational Chemistry, Structural Chemistry, Chemistry of Materials, Medicinal and Pharmaceutical Chemistry, Bio-organic, Bio-inorganic and Bio-physical Chemistry.

SECTIONAL COMMITTEE IV: *Earth & Environmental Sciences*: Surface and Solid Earth Science, Applied Atmospheric Chemistry and Physics, Climate Sciences, Meteorology, Geo Engineering, Ocean Sciences, Geo Sciences and Applied Planetary Sciences.

SECTIONAL COMMITTEE V: *Engineering & Technology*: Electrical Engineering, Telecommunication Engineering, Electronics and Optoelectronics, Chemical Engineering, Civil Engineering, Environmental Engineering, Mechanical Engineering, Aeronautical Engineering, Metallurgical Engineering, Computer Science and Engineering including Software and Data science, Information Science and Technology, Advanced Materials (such as Bio-materials, Hybrid Materials and Nano Materials), Polymer Science & Engineering.

SECTIONAL COMMITTEE VI: *General Biology*: Taxonomy, Structure, Ecology, Environmental Biology, Evolution and Behaviour of Plants, Animals and Microbes including Unicellular Eukaryotes.

SECTIONAL COMMITTEE VII: *Molecular Bases of Biology*: Cell Biology, Physiology, Development, Genetics, Genomics and other Omics of Plants, Animals and Microbes including Unicellular Eukaryotes.

SECTIONAL COMMITTEE VIII: *Biomolecular, Structural Biology and Drug Discovery*: Biochemistry, Biophysics, Molecular Biology, Pharmacology, Structural Biology, Bioinformatics, Computational Biology, System Biology.

SECTIONAL COMMITTEE IX: *Health Sciences*: Basic and Clinical Medical Sciences- Communicable and Non-communicable Diseases, Epidemiology, Anthropology, Psychology, Cognitive and Neurosciences, Medical Genetics and Genomics, Public Health, Nutrition, Immunology.

SECTIONAL COMMITTEE X: *Agricultural Sciences*: Agriculture, Horticulture, Forestry, Fisheries, Food Science, Veterinary Science, Pathogen Biology and Host Pathogen Interaction Both Plant and Veterinary Importance.