

**INSA MEDAL
FOR
YOUNG SCIENTISTS**

2021

*Information &
Nomination Format*

Last Date for receiving
Nominations

January 31, 2021



**INDIAN NATIONAL SCIENCE ACADEMY
NEW DELHI**

INFORMATION

SCOPE

INSA Medal for Young Scientists instituted in 1974 by the Indian National Science Academy and awarded annually are intended to honour talented young Indian scientists in recognition of their outstanding contributions in any branch of science or technology coming within the purview of the Academy. ***The research carried out in India by the nominees will be primarily taken into consideration for the award.***

NUMBER OF AWARDS

The number of awards to be made in any year will be limited to 40.

AGE LIMIT

Any citizen of India who has not attained the age of 35 years on December 31, of the year preceding the year of award, shall be eligible for the award. Only those born on or after 1 January 1986 are eligible for consideration in the year 2021.

SELECTION PROCEDURE

Candidates recommended by the Sectional Committees will be invited to present their research work for consideration of the Committee which will meet in May 2021. The candidates thus called for the presentation are entitled for II AC return rail fare and local conveyance as applicable.

The evaluation and recommendation of the Sectional Committees are considered by the Council of the Academy which makes the final selection.

PRESENTATION OF THE MEDALS

Each awardee will be presented a Medal, a certificate, and honorarium of Rs. 1,00,000/-. The presentation of Medals to selected awardees will be made by the President, INSA during the Anniversary General Meeting of the Academy in December 2021. To receive the award, the awardees (along with spouse or one accompanying person) will be paid travel expenses to cover the actual II AC rail fare and local conveyance as applicable.

NOMINATION PROCEDURE

Candidates may be nominated by Fellows of the Indian National Science Academy, previous recipients of INSA Medal for Young Scientists, national scientific societies, university faculties, post-graduate departments or research institutions.

A nomination will remain valid for consideration for 3 years or the eligibility age whichever expires earlier. Renomination is not allowed at any stage. A nomination shall be made in the prescribed format (Annexure-I) along with all supporting documents. A soft copy of the nomination in PDF (through e-mail at ytinsa@gmail.com), must reach the academy latest by **January 31, 2021**. Nominations, which are not complete or received after the due date, shall not be considered.

Proforma for Nomination for INSA Medal for Young Scientists - 2021

NB: 1. The candidate for the award must be nominated by a proposer; self-nominations will not be considered.

2. To avoid a possible conflict of interest it is recommended that members of relevant INSA sectional Committees or INSA Council avoid nominating any candidate.

3. Only one nomination can be made for a candidate for the consideration of the most relevant Sectional Committee. This must be ensured by the Proposer.

4. Canvassing of any kind will lead to rejection of the nomination.

5. Annexure II must be properly filled in including the top 5 publications and sent as a single PDF document by email to ytinsa@gmail.com . The name of the file should be:

Last Name-Initials-SectionalCommittee-Number-YSM-2021. For instance, the nomination of "Tarun Kumar Shashtradnya for Sectional Committee VI" should be named as follows:

Shashtradnya-TK-SC-VI-YSM-2021.pdf

Name and Number of the Sectional Committee to which Nomination Belongs		Name:			No.	
1.	Name of the Nominee	:				
		:	Surname/family name (S)	First Name (F)	Middle name (M)	
2.	Name to be addressed in correspondence	:	Dr/Shri/Smt	F	M	S
3.	ORCID id	:	0000-0000-0000-0000 (www.orcid.org)			
4.	Personal Information	:	(a) Date of Birth: DD-MM-YYYY		(b)Sex: M/F/T	
			(c) Nationality:	Pass port #	Validity:	Yr.
			Age on December 31 of the previous calendar year	Years	Months	
Attach self-attested copy of a valid approved document as proof of age						
5.	Address and Name of the Institute where nominee carried out the work		Name of Institute			
			Name of Department/Centre/Unit			
			Name of Second Institute*			
			(*If any work was carried out in a collaborator's lab or abroad as exchange student or the like)			
6.	Current Official Designation	:				
7.	(i) Name of Organization	:				
	(ii) Address	:				
			Town/City:	State &Country:	PIN:	
			Institution website:			
			Personal website:			

	<i>Telephones</i>	:	Organization: (country, area)		Ext.																																																
			Direct: (country, area)																																																		
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	<i>Personal Email id</i>	:		Personal M: (country)																																																	
8.	<i>Permanent address</i>	:																																																			
			Town/City:	State & Country:	PIN:																																																
			Landline #:(country, area)																																																		
9.	<i>Address for Communication (Any change meanwhile must be communicated to INSA)</i>	:																																																			
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			Landline #:(country, area)																																																		
10.	<i>Academic Qualifications</i>		<table border="1"> <thead> <tr> <th>#</th> <th>Name of Degree</th> <th>College/Institute</th> <th>State</th> <th>University</th> <th>Year of Passing</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>B.Sc./B.Tech./B.E./Eqvt.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.</td> <td>M.Sc./M. Tech./M.E./Eqvt.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3.</td> <td>M. Phil.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.</td> <td>Ph.D.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5.</td> <td>Post-Doc. Fellow</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6.</td> <td>Any other (name)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td>Any other (name)</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			#	Name of Degree	College/Institute	State	University	Year of Passing	1.	B.Sc./B.Tech./B.E./Eqvt.					2.	M.Sc./M. Tech./M.E./Eqvt.					3.	M. Phil.					4.	Ph.D.					5.	Post-Doc. Fellow					6.	Any other (name)					7.	Any other (name)				
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12.	<i>Field of Specialization</i>																																																				
13.	Research Contributions Statistics on Research and Innovation Productivity (Only numbers) for the work carried out in India. No work carried out in a foreign country should be included.		<ul style="list-style-type: none"> Publications in peer-reviewed journals Conferences Presentations: Masters' Thesis Guided: Current Masters Students: Current PDF: Patents: h index: No. of citations: 	<ul style="list-style-type: none"> International Patents: National Patents: Ph.D. under supervision: PDF guided : Current Ph.D. Students: Current Project Staff: Technology Transfer i10 index: Citations per paper: 																																																	
14.	<i>Membership and Fellowships of National & International Academies, and Professional Societies, if any. List positions as office bearers of any such bodies.</i>		1.	5.																																																	
			2.	6.																																																	
			3.	7.																																																	
			4.	8.																																																	
15.	<i>Membership of State or National Committees (if</i>		1.	5.																																																	
			2.	6.																																																	

	any)	3.		7.	
		4.		8.	
16.	Awards & Recognitions, if any	1.		4.	
		2.		5.	
		3.		6.	

17. *List of Five Most Important Publications must be provided in the beginning, which should be either as first author or corresponding author. Include PDF files of only the top five publications as an attachment as a single file. If any book is published it should be mentioned separately. All first author publications must be listed first. All other publications must be followed thereafter. Manuscripts under preparation or submitted should not be listed. Any publications which are proofread or ASAP type with a DOI but yet to be published in a regular issue can be listed. (Annexure-II)*

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

18. **List of Patents** (if any): Provide the list of patents which are either granted or published. Include a statement if any technology was developed and transferred to industry.

No.	Title of patent	Names of Inventors	Country and Number	Year	If transferred to industry including its name

19. **List of presentations:** List of presentations in the beginning (which should be enclosed) which should be either as the presenter or corresponding author. All other presentations should be listed thereafter.

#	Authors (same order)	Title	Name of conference	Place	Year	Pages
1.*						
2.*						
3.*						
4.*						
5.*						
6.						
7.						
8.						

	9.						
	10.						
20.	Statement about research contribution for which the INSA Medal for Young Scientists is given: The proposer should give a brief outline in an annexure within 500 words stating therein the most significant contribution in the field of specialization and its impact. Only work carried out in India will be considered. However, if part of the work was done abroad as exchange student, summer fellow, etc. it should be mentioned clearly. If the nominee is not the first author in such publications, it should be pointed out the exact nature of contribution to the publication.						
21.	Proposer's Details and Declaration about Conflict of Interest						
	Name	Designation	Fellow of INSA or Not	Address	Email	Phone	
	I hereby declare that: (a) I have no conflict of interest in nominating this candidate whom I have known for years in my capacity as (b) I have verified that a majority of the work described in this form was carried out by the nominee in India at as well as the accuracy of the information provided in this form. (c) I am not member of any Sectional Committee of INSA or the Council of INSA, and should this nomination be carried forward to subsequent year (s) and meanwhile I am appointed on any of the above, I will inform INSA and the candidate. (d) I have nominated only one candidate for INSA Young Scientist this year. S/He is also advised that only one nomination can be made for the relevant Sectional Committee. No multiple nominations are made in this case.						
	Place:	Date:	e-Signature:				
			Name of Proposer:				
	(The proposer should send a letter of nomination by email at ytinsa@gmail.com.)						

Notes:

- (a) All candidates for the award should be nominated by a proposer; self-nominations will not be considered.
- (b) A nomination will remain valid for consideration for 3 years or the eligibility age whichever expires earlier. Renomination is not allowed at any stage.
- (c) The proforma should be neatly typewritten giving complete information about the nominee under each column.
- (d) Soft copy in PDF only through e-mail at ytinsa@gmail.com well before last date.
- (e) The last date is strictly followed.

SUBJECT ALLOCATION TO SECTIONAL COMMITTEES

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 and Cellular 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.