Nomination Form for INSA Young Associates

The undersigned proposes the following scientist as a candidate for the INSA Young Associates:

Name of the Nominee: _____

Proposed by:

Name: _____

Designation: _____

Official address: _____

Signature with Seal: _____

Fellow of INSA: Yes ☐ No ☐

Biographical Details of the nominee

(Before filling out this form please read the explanatory notes and guidelines provided at the end)

Please insert latest passport size photograph

1. Name in full: _____
   (Surname followed by forenames)

2. a) Date of birth: _____

   Age: ___ Years__Months

(as of 31st December, 2026 for the consideration in 2027, a self-attested, scanned copy of a certificate of age should be attached along with the nomination)

2. b) Gender (Voluntary disclosure): _____

3. Nationality: _____

4. Field of specialization: _____

5. Designation: _____

6. Address:

(a) Official: _____

(b) Residential: _____

(c) Address for correspondence: Official ☐ Residential ☐

Email: _____ Tel: _____
Mobile: _____

7. Sectional Committee: _____

8. Academic career and professional attainments:
(a)

Degree	Institution	Year	Mention PhD supervisor name and affiliation

(b)

Positions held	Institution	From (year)	To (year)	Mention PDF supervisor names and affiliations

(c) Awards and recognitions:

(d) Intellectual property, technological innovations, and new products:

(e) Other relevant information:

9. Research experience:

10. Statement of significant research contributions by the nominee to be considered for the INSA Young Associates (**500** words, indicating the work done in India/Abroad):

11. List of top ten percentile (minimum 5) of peer-reviewed publications of the author included in a standard bibliometric database (e.g., Web of Science) or technology transferred **with clickable URLs/links** (to support the significant research contributions mentioned above in 500 words). *Example: If a nominee has 100 publications included in the Web of Science, the nominee can list a maximum of 10 publications considered to be most significant by him or her at least 5 publications if the total number of publications is less than 50:*

No.	Paper details	In the case of multi-authored publications, please indicate the specific contribution of the nominee in each such paper. In case of work partly done abroad, please indicate the part of the work done in India
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

12. Publications, patents, and copyrighted material of the nominee:

Addendum by the Proposer

Nominee's Name:

Please answer the following:

1. All nominations are expected to meet the commonly held standards of professional ethics and scientific integrity.

   Are there any concerns that INSA should be made aware of regarding the nominee, in order to fulfill this expectation?

   ☐ No

   ☐ Not aware

   ☐ Yes, please explain (if required, you may attach extra documents):

2. Please elaborate on your relationship with the nominee:

   Name of the proposer:

   Present affiliation:

   Signature:

   Date:

This form is mandatory to be filled and signed by the proposer and submitted along with the nomination form.

The nomination form, addendum, and all the Annexures must be received by the last date at INSA via email at iya.iaf@insa.nic.in.

Explanatory notes for filling out the nomination form:

Additional information for filling in some of the items in the form is given below:

2 (a). A self-attested, scanned copy of a certificate of age should be attached along with the nomination.

3. Please give details of OCI/PIO status and a statement that the nominee has been working in India for at least 5 years, in case the nominee is not an Indian national.

7. Allocation of subjects to Sectional Committees is indicated on the last page.

8 (a) The proposer is requested to furnish, under this head, information regarding the nominee's degree and post-graduate academic qualifications and distinctions beginning with the Bachelor's Degree. Additional rows may be added to the table if required. Please mention the name of the Ph.D. supervisor. (b) Details of the positions held starting from post-doctoral appointments until the present should be given, including names of post-doctoral supervisor(s). Additional rows may be added to the table if required. (c) Details of major awards and recognitions should be listed giving the name of the award, the awarding body, and the year of the award. (d) Intellectual property, technological innovations, new products including new varieties of plants and crops, copyrighted designs, and software, may be listed. Licensed technologies, products, designs, and software may also be mentioned.

9 The research carried out by the nominee should be summarized. If part of the work has been done abroad, please indicate the significant work done abroad and the work done in India.

10. A brief statement, not exceeding 500 words, highlighting the research contribution for which the INSA Young Associate is recommended by the proposer. If part of the work has been done abroad, please indicate the significant work done abroad and the work done in India.

11. List of publications and/or patents of the nominee: Mark the top ten percentile (or minimum 5) of publications (including patents) or technology transferred (to support the significant research contributions mentioned under point no. 10) with an asterisk (*). Information may be provided under three heads: (a) published papers; (b) papers accepted for publication; and (c) papers accepted for presentation at conferences. Please note that the manuscripts under preparation should not be mentioned. The list of papers should include the names of authors, year, title, name of journal, volume, and pages for each publication. In the case of multi-authored publications, please indicate specific contributions of the nominee in each such paper in the "Remarks" column. In case of work partly done abroad, please indicate the portion of the work done in India in the "Remarks" column.

12. Please attach an up-to-date list of publications/patents/copyrighted material. List separately (a) research papers published, (b) scientific reviews, (c) articles (not abstracts) published in seminars, symposia, and conference volumes, (d) chapters contributed to books, (e) books-authored or edited, (f) other publications/reports and (g) patents and copyrighted material. Mark the significant publications and licensed patents and copyrighted material with an asterisk. The list should be in the style indicated in point 11 above, for papers.

The completed nomination form and PDF file of the certificate of age should be combined into a single PDF file. The "Explanatory notes", "guidelines" and "Allocation of Subjects" should not be included in the file.

The proposer may please ensure that the nomination form is duly completed and information, as required by the Academy, is included.

GUIDELINES FOR INSA YOUNG ASSOCIATES (IYA)

Introduction:

INSA Young Associates instituted in 2024 by the Indian National Science Academy and given annually is intended to honor talented young Indian scientists in recognition of their outstanding contributions in any branch of science or technology within the purview of the Academy.

Eligibility:

Scientists working in India shall be nominated for INSA Young Associates in recognition of their notable contributions to any branch of science or technology. INSA Young Associates are selected mainly for the outstanding work done in India, but also the work done outside if it contributes to Indian Science & Technology.

Age Limit:

Any citizen of India, who has not attained the age of 40 (3 years relaxation for women candidates) on December 31, 2026 for the consideration in 2027 shall be eligible for the nomination of INSA Young Associates. OCI/PIO card holders working in India for at least 5 years will also be eligible.

The Number of INSA Young Associates:

The number of INSA Young Associates to be made in any year will be limited to 36.

Nomination Procedure:

A notification inviting nominations for the INSA Young Associates shall be issued in 1st week of November 2026 to be considered for the year 2027.

Nominations for IYA can be proposed by the Vice-Chancellor of the University, Registrar, Dean, Associate Dean, Head of the Institution or Head of Department of the scientist or INSA Fellows (including Foreign and Pravasi Fellows) only.

Members of the Sectional Committee (in which the nominee is being considered) and Council members are not expected to propose a nominee during their tenure in accordance with the conflict-of-interest policy of the Academy. However, the Members may propose after their tenure ends.

A nomination will remain valid for consideration for consecutive 3 years or up-to the eligibility age whichever comes first. **No renomination would be allowed.**

Selection Criteria:

The primary criterion for selection to the INSA Young Associates will be the scientific and technological research of the nominee (e.g. contributions to new knowledge, new discoveries, development of new technologies, substantial improvement in existing technologies, etc.) as evidenced by publications, patents, authenticated scientific reports which could not be published and the economic impact of their work.

In multi-authored papers, the committee is expected to evaluate the specific contribution of the nominee by considering factors such as their role as the first author, corresponding author, or co-corresponding author. When such markers are not available in large-scale experimental projects, the Sectional committees can seek inputs from the nominator, or senior PI in these projects. By assessing the extent of their contribution, the committee can accurately evaluate the nominee's individual contribution to the collaborative work.

Selection Procedure:

All the valid nominations, based on the subject area of the work, will be considered by the respective sectional committee of the academy.

Not later than mid-March every year, the Academy shall arrange to circulate the list of nominees along with their particulars to the members of the respective Sectional Committee with a request to communicate their assessment of the candidates to the Convener of the respective Sectional Committee prior to the date fixed for the meeting.

Grading:

The shortlisted candidates shall be evaluated on a percentile basis.

Recommendations of the Sectional Committees:

The Sectional Committee will forward the duly signed recommendations by all the members to the Council on the basis of the following formula in order of merit.

The maximum number of INSA Young Associates in each Sectional Committee will be according to the following formula:

$$\frac{\text{The number of nominations received by a particular committee}}{\text{Total number of nominations received}} \times 36$$

The recommendations of the Sectional Committee in order of merit shall be handed over, after the meeting, in a sealed envelope addressed to the Vice-President (Fellowship Affairs) of the Academy.

Selection by the Council:

The Council will select candidates for INSA Young Associates at the meeting in the month of May/June based on reports received from Conveners of individual Sectional Committees.

Announcement of the INSA Young Associates

The names of the selected INSA Young Associates shall be announced at the General Body Meeting following the Council Meeting in which selection has been made and subsequently communicated to the INSA Young Associates.

Value:

A one-time fellowship fee of Rs. 5000/- will be applicable for the selected INSA Young Associates which will be added in INSA General Fund. A cheque or bank draft for the sum of Rs. 5000/- (fellowship fee) drawn in

favour of Indian National Science Academy will be sent by selected INSA Young Associates (facility for online payment / UPI will be made available). One time travel support of maximum of Rs. 1.5 lakhs will be reimbursed by the Academy to IYA to attend flagship international conference abroad (within two years, w.e.f. 1st January of the ensuing year).

Induction and Presentation of Scroll:

The selected INSA Young Associates will be invited for the induction and presentation of scroll during the Annual General Meeting to be held during September. TA will be paid for Economy class as per INSA norms to the recipient for induction and receiving the scroll. The bookings to be made through shortest route well in advance. All these expenses will be met from the interest income of the INSA General Fund.

Please note: The nomination duly completed in all respects in the prescribed format is to be forwarded by the **Proposer** to the Executive Director, INSA at e-mail id: iya.iaf@insa.nic.in only on or before **30th November, 2026.**

Late receipts will not be considered.

Allocation of Subjects to the Sectional Committees

1) Mathematical Sciences
Algebra, Complex and Algebraic Geometry, Combinatorics, Control theory and optimization, Dynamical Systems and Ordinary Differential Equations, Functional analysis and operator algebras, Geometry and Topology, Logic, Mathematical Physics, Number theory, Numerical analysis, scientific computing, theoretical computer Science, Partial differential equations, Probability and Statistics, Representation theory and Lie theory and all other related emerging areas under this section.

2) Physical Sciences
Astronomy, Astrophysics, Gravitational Physics and Cosmology, Atomic, Molecular, and Optical Physics (AMO Physics), Condensed Matter Physics (including soft matter), Elementary Particles and Nuclear Physics, Materials, Mechanics and Non-Linear Dynamics, Plasma Physics, Physics of Life, Quantum Gravity, String Theory, Mathematical Physics, Quantum Science (Quantum information, Quantum sensing, Quantum devices) and Statistical Physics and all other related emerging areas under this section.

3) Chemical Sciences
Analytical chemistry, Biophysical chemistry, Electro, Nuclear chemistry, Photochemistry, Physical chemistry, Polymers and Materials chemistry, Solid state chemistry, Supramolecular chemistry, Theoretical and computational chemistry, Medicinal and Pharmaceutical chemistry, Inorganic chemistry and Organic chemistry and all other related emerging areas under this section.

4) Earth, Environment and Climate Sciences
Atmospheric and Ionospheric science, Environmental science, Climate change, Geochemistry, Geochronology, Geomagnetism, Geophysics, Hydrology & Water resources, Mathematical Geoscience, Meteorology and Marine Geology, Oceanography, Ore Geology, Paleontology, Petrology, Planetary and Solar system science, Sedimentology and Structural Geology and all other related emerging areas under this section.

5) Engineering Sciences
Aerospace Engineering (flight - air, space, interplanetary), Bioengineering and Biotechnology, Chemical Engineering, Civil and Environmental Engineering (including water, rivers, and canals, etc.), Computer Science and Engineering (computing architectures and algorithms), Data Sciences, Machine Learning, and Artificial Intelligence (at foundational levels), Design and Manufacturing Sciences, Electrical Power Engineering and Energy Systems (batteries, generation, storage, and transmission of power/energy of any kind), Electronics, Communication, Control Systems, and Intelligent Systems Engineering, Extraterrestrial Engineering (including building materials, construction, transport, planetary resources), Materials Science and Engineering, Mechanical Engineering, Operations Research and Industrial Engineering, Sustainability, Climate Change, and Earth Resources (includes geology, oceans, atmosphere, sustainable technologies, climate change) and all other related emerging areas under this section.

6) Biological Sciences
Molecular and Cellular Biology, Genetics, Genomics and Developmental Biology, Neuroscience and Neurobiology, Immunology, Microbiology, and Disease-Focused Biology, Quantitative, Computational, and Systems Biology, Evolution, Animal Taxonomy, Ecology, and Conservation, Chemical Biology, Structural Biology, Biochemistry, Reproductive Biology and Synthetic biology and all other related emerging areas under this section.

7) Biomedical and Health Sciences
Biomedical engineering, Clinical and translational medicine/surgery, Environmental health / one health, Microbiology and immunology, Molecular medicine and Human genetics, Neuroscience and behavioral sciences, Pharmacology and toxicology, Physiology and pathophysiology, Public health and epidemiology and all other related emerging areas under this section.

8) Plant and Agricultural Sciences

Agriculture, Agronomy and soil science, Crop science, Horticulture and Forestry, Crop improvement (Plant breeding and genetics), Agricultural engineering and technology, Applied plant sciences including Food science, Plant taxonomy and evolution, Plant Reproduction and development, Plant Ecology and conservation, Plant Biochemistry, Physiology and development, Plant Molecular Biology and Biotechnology, Agricultural and Plant Microbiology, Pathology, Plant protection, Veterinary science, fisheries and aquaculture and all other related emerging areas under this section.

9) Interdisciplinary Science and Engineering: Deep Tech and Critical Technologies

Deep Tech: Quantum technologies (e.g., quantum information, communication, sensing, and computing), AI & ML (Applications), Advanced robotics and automation, Space technologies, Biotechnology, Photonics and optoelectronics, Energy storage and nuclear fusion, Novel materials (e.g., graphene, metamaterials), Brain-computer interfaces, Secure communication (e.g., post-quantum cryptography) and all other related emerging areas under this section.

Critical Technologies: Semiconductors and microelectronics, Advanced communication (e.g., 5G/6G networks), Cybersecurity and cryptography, Autonomous systems and robotics, Space technologies, Advanced materials and manufacturing, Nuclear energy (including fusion and small modular reactors), Cell and Gene Therapy and all other related emerging areas under this section.