

Ministry of Science and Technology

Department of Science and Technology
SERC Division

WOMEN SCIENTISTS SCHEME (WOS-A)

Research in Basic/Applied Sciences

The 'Women Scientists Scheme (WOS-A)' of the Department of Science and Technology is aimed to provide opportunities to women scientists and technologists for pursuing research in frontier areas of science and engineering. A special provision has been made under this Scheme to encourage those women scientists who have had breaks in their careers. It will provide a launch pad for them up to the age of 50 years to return to mainstream science and work as bench-level scientists in the field of science and technology.

SCIENTIFIC DISCIPLINES: The scholarships have been instituted in the following subject areas: (1) Physical Sciences (Code: I); (2) Chemical Sciences (Code: II); (3) Mathematical Sciences (Code: III); (4) Life Sciences (Code: IV); (5) Earth Sciences (Code: V); (6) Atmospheric Sciences (Code: VI); (7) Engineering Sciences (Code: VII). These subject areas will be identified by the respective subject codes (I–VII) as given in the associated parenthesis. A project proposal should be submitted in active collaboration with an academic/R&D institution in the chosen subject area.

SUPPORT: This scheme will provide a research grant with an upper limit of Rs 15 lakhs for a well-defined R&D project proposal for a period of three years. This grant will include the fellowship of the applicant and cost of small equipment, contingencies, travel, consumables, etc. Institutional overhead charges will be extra.

ELIGIBILITY

- (1) Persons already in employment need not apply.
- (2) Women scientists, with a minimum of Post Graduate degree, equivalent to M Sc in Basic or Applied Sciences, B Tech in Engineering Sciences and MBBS or other equivalent professional qualifications, are eligible for this scheme. Maximum age limit for this category is 35 years at the time of submission of the application. The amount of fellowship for such candidates will be Rs 10,000/- pm.
- (3) Women scientists having a Ph D in Basic or Applied Sciences, M Tech in Engineering Sciences and MD/MS, DM/MCH in Medical Sciences from recognized Universities can apply up to the age of 50 years. The amount of fellowship for such candidates will be Rs 15,000/- pm.
- (4) Age relaxation of 5 years would be given to candidates belonging to SC/ST/OBC and physically challenged category. Attested copies of supporting documents in this regard must be enclosed.

DESIRABLE

- (1) Preference would be given to candidates having a break-in-career due to family reasons.
- (2) Also, preference would be given to Ph D/equivalent degree candidates. M Sc/equivalent candidates may, however, be also considered if they have a bright academic record and demonstrable research experience in the form of publications, dissertations, patents, etc.

LAST DATE OF APPLICATION: The Scheme is now open throughout the year. Therefore, there is no last date of application. The application format is also available at the website <http://www.serc-dst.org>.

PROCEDURE FOR APPLYING

- (1) Neatly typed application (in single space and on both sides of the paper) should be submitted in the enclosed format (along with 5 copies) at the address given below.
- (2) Proposal should be prepared with care, should be concise and focused.

ADDRESS FOR SUBMISSION OF APPLICATION AND ENQUIRIES

Dr H. B. Singh
Officer-in-Charge
Women Scientists Scheme (WOS-'A')
Department of Science & Technology
Technology Bhavan
New Delhi 110 016
e-mail: haribsingh@hub.nic.in

APPLICATION FORMAT

WOMEN SCIENTISTS SCHEME (WOS-A)
Research in Basic/Applied Sciences

SUBJECT CODE:

*Please give code (I-VII) as per the details given in 'Scientific Disciplines'

BREAK IN CAREER: YES/NO

DECLARATION BY THE CANDIDATE

I have gone through the fellowship rules and conditions of the award and if selected, I agree to abide by them. The particulars given in the form are correct and I am prepared to present myself for presentation/discussion, if called upon to do so.

Date:

Signature of the Candidate

SECTION – A

GENERAL INFORMATION

1. Name (in Block Letters) :
2. Husband/Father's name :
3. Postal address for correspondence :
4. Permanent address :
5. Date of birth :
6. Married/unmarried :
7. Academic record (from matriculation onwards) :

Sl. No.	Degree/subject/area	Period of study		University/Institute	Subject	Marks
		From	To			

8. Scholarships, Medals, Fellowships, Awards, Distinctions or Honours received during your University/academic career.
9. Whether passed examinations conducted by NET/GATE/UGC/ICAR, etc. If yes, indicate the name of the examination, year and grade.
10. Professional/employment record (if any, in chronological order).
11. Provide details of demonstrable research experience (e.g. publications, dissertations, patents, etc.).
12. Details of break in career, if any (gap period in years with reasons for break).
13. Name three institutions and scientists in the country who are working in the proposed area of research.
14. Are you getting fellowship/scholarship through any other scheme at present? If yes, please provide details.
15. Any other relevant information.

SECTION – B

DETAILS OF THE R&D PROJECT

1. Title of the project
2. Broad subject area (as given in Subject Code)
3. Area of specialization
4. Total cost of the project
5. Summary of the proposal (not exceeding 500 words)
6. Objectives
7. National and international status
8. Work plan (including detailed methodology and time schedule)
9. Expected deliverables/outcome
10. Significance of the expected outcome with respect to the state-of-the-art in the field
11. Name, address of the institution and bio-data of the scientist-mentor with whom the proposed R&D study will be executed
12. Facilities in terms of laboratory, equipment, etc. likely to be made available to the candidate by the host institution for pursuing the above studies
13. Details of financial requirements (with justification) for the duration of the project (3 years) and year-wise phasing

Sl. No.	Head	1st Year	2nd Year	3rd Year	Total
1	Research fellowship				
2	Consumables				
3	Travel (within India)				
4	Contingencies				
5	Minor equipment (generic name with minimum required accessories and cost in Indian rupees)				
6	Overhead charges				

(Note: You must justify your budgetary requirements based on the scientific needs of the project).

14. Details of research funding received and applied for (mention reference no., title, duration, cost, funding agency and brief achievements).

Department of Science and Technology

Nomination for India Science Award

Nominations are invited in the proforma given below, for India Science Award from the Fellows of the following national academies:

1. Indian National Science Academy, New Delhi.
2. Indian Academy of Sciences, Bangalore.
3. The National Academy of Science, Allahabad.
4. Indian National Academy of Engineering, New Delhi.
5. National Academy of Agricultural Sciences, New Delhi.
6. National Academy of Medical Sciences, New Delhi.

It is requested that only one nomination be sent by every Fellow.

The details of the award are given below:

1. Background

The India Science Award is envisaged to be the highest and most prestigious national recognition for outstanding contribution to Science. It will be given for a 'big' achievement and the benchmark will be 'global'. It will cover all areas of research in science including engineering, medicine and agriculture. The award amount will be Rs 25 lakhs.

2. Who should the Award be given to

The Award will be given to a scientist, without any age limit, for major contribution(s) of a path-breaking nature and based on work primarily done in India. It will not be given to groups or institutions.

If more than one nomination is found suitable for the award in a year, a maximum of two awards could be given. However, if there is no suitable nomination for the award in a year, the award will not be given.

3. Nomination

(i) Nominations will be solicited from the fellows of all the six national academies of science, engineering, agriculture and medicine. They must do so on a personal, and not institutional basis. This right (to nominate) is assigned to an individual. Nominators will be from the different disciplines covered by the Award.

(ii) The nomination once made will be valid for a period of 3 years.

4. Criteria for the Award

The primary and essential criterion should be demonstrated and widely accepted excellence in science. The work should have opened a new window of opportunity in the field and must have exceptional originality and demonstrate deep insight of the subject, and not be just voluminous work of an imitative or repetitive nature. In the case of an individual who fulfils this requirement, other aspects like contribution to the growth of science in the country would be regarded as important. This would be a desirable, but not necessary criterion.

(please print or type)

INDIA SCIENCE AWARD

Nomination Form

Year of Nomination _____

The following supporting documents must accompany this form:

- the candidate's bio-data with complete list of publications (twenty of the most impact-making publications should be identified with asterisk).
- a two-page summary of the candidate's achievements, especially highlighting the breakthrough nature of the contributions.

1. Candidate's name in full: (first, middle, last)

Citizenship :
Date of birth :
Title :
Institution :
Address (with Pin Code) :
Telephone :
Fax :
E-mail :

2. Citation

(Give a brief citation (about 50 words) of scientific contribution(s) meriting this award: 'For his/her contributions to')

3. About the nominator

Name :
Position :
Institution :
Professional address :
(complete with Pin Code)
Telephone (Off. & Res.) :
Fax :
E-mail: :
Nominator's Signature (with Date) :

10 copies of the nomination form along with supporting documents may be sent to:

Prof. V. S. Ramamurthy
Secretary
Department of Science and Technology
Technology Bhavan
New Mehrauli Road
New Delhi 110 016

The envelop should be superscribed 'India Science Award'

The last date for receiving nomination: 29 February 2004