

Ministry of Science & Technology
Department of Science & Technology
SwarnaJayanti Fellowships 2017-18

Government of India had instituted a scheme titled “**SwarnaJayanti Fellowships**” to commemorate India’s fiftieth year of Independence. Under this scheme a selected number of young scientists, with excellent track record, are provided special assistance and support to enable them to pursue research in frontier areas of science and technology. The fellowship is scientist specific and not institution specific, very selective and has close academic monitoring.

NATURE OF SUPPORT: The support will cover all the requirements for performing the research and will include a fellowship of Rs.25,000/- per month for five years. The fellowship will be provided in addition to the salary they draw from their parent Institution. In addition to fellowship, grants for equipments, computational facilities, consumables, contingencies, national and international travel and other special requirements, if any, will be covered based on merit. Scientists selected for the award will be allowed to pursue unfettered research with a freedom and flexibility in terms of expenditure as approved in the research plan. The project should contain innovative research idea and it should have a potential of making impact on R&D in the discipline.

DURATION: The duration of the fellowship will be for a period not exceeding five years.

ELIGIBILITY:

- The fellowship is open to Indian Nationals having a regular position in a recognized Indian academic/research organization.
- The applicant should possess Ph.D in Science/ Engineering/ Medicine and should not be drawing Fellowship from any other Scheme of GOI.
- Scientists should be active in the frontier area of science and engineering with outstanding contributions in the form of research publications and/ or patents, peer recognition from scientific community, awards etc. in his/ her area of research.
- The organization/ institute should also undertake financial and other management responsibilities of the project throughout the five year term in case fellowship is awarded to the scientist.

AGE ELIGIBILITY: The fellowship is open to scientists between 30 to 40 years of age as on December 31, 2017. **Applications from candidates who have completed 40 year of age as on or before 31.12.2017 will not be considered.**

SELECTION: The selection procedure will include consideration at various stages. The Department constitutes a Subject Committee which screens applications received and calls the screened in applicants for presentation. The candidates shortlisted after presentation by the Subject Committees will have to make presentation to the National Core Committee of Experts which gives its final recommendations. An Empowered Committee of Secretaries will make the final selection based on the recommendation of National Core Committee.

Scientists selected for the award should have accomplished innovative original research in frontier areas of science and technology.

APPLICATION: Applications for the “**SwarnaJayanti Fellowships**” are invited from eligible candidates in the format given below. The candidates may be required to submit further additional information as required and present the project idea before final selection. Log on onlinedst.gov.in to access the home page of the “DST e-PMS Portal” and submit the application in online mode only. There is no need to send a hard copy.

The last date for submission of applications is March 31, 2018 by 1700 hrs.

This advertisement is also available on the internet website at: <http://www.dst.gov.in>

FORMAT FOR SWARNAJAYANTI FELLOWSHIPS APPLICATION

1. Broad Subject Area: **Indicate any one of the following. (In case the project is multi-disciplinary indicate which of the following 6 subject area committees should review the same)**

(Life Sciences, Physical Sciences, Chemical Sciences, Earth & Atmospheric Sciences, Mathematical Sciences, Engineering Sciences)

2. Sub-area of the proposed project:
3. Title of the proposed project:
4. Name of the Candidate/Applicant:
5. Mailing address (must indicate Telephone* – (off.) & (res.) along with mobile no*. and e-mail address*)

*** please provide these details correctly since correspondence will be made on these numbers and email.**

6. Date of Birth: (check whether you are eligible on age grounds)
7. Age as on 31-12-2017: (year, month, days)
8. Educational Qualifications:
(Starting from Bachelors degree onwards)

S.No	Degree	University/ Board	Year of passing	Thesis topic/ Subjects studied	Percentage of marks or CGPA

- 10 Name of the Ph.D Guide/Supervisor:
11. a) Details of professional training and research experience, specifying period.
b) List of significant publications with impact factor of the journal during the last 7 years (Published in SCI Journals) along with list of patents.
c) Details of project being implemented/ completed as Principal Investigator/ Co-PI along with its salient features.
12. Details of employment including current employment.
13. Professional recognition, awards, fellowships received.
14. Name of the institution where project is to be implemented.
15. Confirm if you have been an applicant for this Fellowship in the last 5 years.
16. Details of the proposed project to be undertaken during the fellowship period:
a. Title of the Project:
b. Objectives:
c. International Status:
d. National Status:
e. Gaps in the area and how you propose to understand the gap(s):
f. Proposed Methodology & Work plan (in detail):
g. Details of Main experiments to be carried out along with what hypothesis and model it will test:
h. Likely Impact of the results/ outcome on fundamental understanding and applications (if any):
i. Likely Deliverables:
j. Novelty of the proposal:
17. Details on applicant's expertise, the research work engaged in at present, future plan, prospects after the fellowship, how are these related to the strengthening of basic research in the country etc.

18. Detailed financial requirements with justifications for 5 years and phasing for each year (Manpower, Consumables, Contingency, Travel National & International, Equipment/s, Any other).

Summary of Total Budget:

(in Rs.)

Budget	Year1	Year2	Year3	Year4	Year5	Total:
Manpower						
Consumables						
Travel (National & International)						
Contingency						
Any Other Cost						
Equipment						
Overheads						
Total						

a. Budget for Research Manpower

Designation & number of persons	Monthly Emoluments	BUDGET					(in Rupees)
		1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	Total
Total							

Justification for the manpower requirement:

b. Budget for Consumable Materials

Total	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	Total

Justification for costly consumables:

c. Budget for Travel

Travel	BUDGET					(in Rupees)
	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	Total
International (PI)						
National (PI)						
National (Research Personnel/s)						
Total						

Justification for travel:

d. Budget for Contingencies

Total	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	Total

Justification for Contingencies:

e. Budget for Other Costs:

	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	Total
Total						

Justification for Other costs, if any:

f. Budget for Equipment

Sl. No.	Generic name of the Equipment/s	Imported/In digenous	Estimated Costs (in Rs.)	Spare time for other users (in %)

Detailed Justification for the proposed equipment/s.

Also kindly state if similar equipment is available in the Institute and its usage.

g. Budget for Overheads:

	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	Total
Total						

Justification for Overheads:

19. Complete list of publications in SCI journals & other referred journals in chronologically descending order beginning with publications in 2018 along with impact factor of the journal.

List of book chapters, edited books may be indicated separately along with patents in your name.

(Peer Reviewed Conference Proceedings/presentations may be listed separately)

20. Any other relevant matter.

21. List of documents: Kindly attach scanned copies of the following documents in Online Project proposal Submission.

A - Endorsement from the Head of Institution (To be given on Institute letter head)

B - Certificate from Applicant (PI)

C - Conflict of Interest format from Applicant (PI)

D - Biodata

A – Endorsement Certificate from Institute

Project Title :

1. Certified that the Institute welcomes participation of _____ as Principal Investigator for the project titled “ ” under the SwarnaJayanti Fellowships Scheme.
2. Certified that the equipment and other basic facilities and such other administrative facilities as per terms and conditions of the grant, will be extended to the investigator(s) throughout the duration of the project.
3. Institute assumes to undertake the financial and other management responsibilities of the project.

Date:

Name and Signature of Head of Institution

Place:

B - Certificate from Applicant

Format for Certificate from Applicant (PI)

Project Title:

1. I agree to abide by the terms and conditions of the Scheme.
2. I have not submitted similar project proposal elsewhere for financial support.
3. I have explored and ensured that equipment and basic facilities will actually be available as and when required for the purpose of the projects.
4. I undertake that spare time on permanent equipment will be made available to other users.

Date:

Place:

**Name and signature of
Principal Investigator**

(C). Conflict of Interest – May be filled as an Applicant (PI) only

Format for Conflict of Interest

DEPARTMENT OF SCIENCE AND TECHNOLOGY
POLICY ON CONFLICT OF INTEREST

FOR REVIEWER & COMMITTEE MEMBER or APPLICANT or
DST OFFICER ASSOCIATED/ DEALING WITH THE
SCHEME/ PROGRAM OF DST

Issues of Conflicts of Interest and ethics in scientific research and research management have assumed greater prominence, given the larger share of Government funding in the country's R & D scenario. The following policy pertaining to general aspects of Conflicts of Interest and code of ethics, are objective measures that is intended to protect the integrity of the decision making processes and minimize biasness. The policy aims to sustain transparency, increase accountability in funding mechanisms and provide assurance to the general public that processes followed in award of grants are fair and non-discriminatory. The Policy aims to avoid all forms of bias by following a system that is fair, transparent and free from all influence/unprejudiced dealings, prior to, during and subsequent to the currency of the programme to be entered into with a view to enable public to abstain from bribing or any corrupt practice in order to secure the award by providing assurance to them that their competitors will also refrain from bribing and other corrupt practice and the decision makers will commit to prevent corruption, in any form, by their officials by following transparent procedures. This will also ensure a global acceptance of the decision making process adopted by DST.

Definition of Conflict of Interest:

Conflict of Interest means "any interest which could significantly prejudice an individual's objectivity in the decision making process, thereby creating an unfair competitive advantage for the individual or to the organization which he/she represents". The Conflict of Interest also encompasses situations where an individual, in contravention to the accepted norms and ethics, could exploit his/her obligatory duties for personal benefits.

1. Coverage of the Policy:

- a) The provisions of the policy shall be followed by persons applying for and receiving funding from DST, Reviewers of the proposal and Members of Expert Committees and Programme Advisory Committees. The provisions of the policy will also be applicable on all individuals including Officers of DST connected directly or indirectly or through intermediaries and Committees involved in evaluation of proposals and subsequent decision making process.
- b) This policy aims to minimize aspects that may constitute actual Conflict of Interests, apparent Conflict of Interests and potential Conflict of Interests in the funding mechanisms that are presently being operated by DST. The policy also aims to cover, although not limited to, Conflict of interests that are Financial (gains from the outcomes of the proposal or award), Personal (association of relative / Family members) and Institutional (Colleagues, Collaborators, Employer, persons associated in a professional career of an individual such as Ph.D. supervisor etc.)

2. Specifications as to what constitutes Conflict of Interest.

Any of the following specifications (non-exhaustive list) imply Conflict of Interest if,

- (i) Due to any reason by which the Reviewer/Committee Member cannot deliver fair and objective assessment of the proposal.
- (ii) The applicant is a directly relative# or family member (including but not limited to spouse, child, sibling, parent) or personal friend of the individual involved in the decision making process or alternatively, if any relative of an Officer directly involved in any decision making process / has influenced interest/ stake in the applicant's form etc.
- (iii) The applicant for the grant/award is an employee or employer of an individual involved in the process as a Reviewer or Committee Member; or if the applicant to the grant/award has had an employer-employee relationship in the past three years with that individual.
- (iv) The applicant to the grant/award belongs to the same Department as that of the Reviewer/Committee Member.
- (v) The Reviewer/Committee Member is a Head of an Organization from where the applicant is employed.
- (vi) The Reviewer /Committee Member is or was, associated in the professional career of the applicant (such as Ph.D. supervisor, Mentor, present Collaborator etc.)
- (vii) The Reviewer/Committee Member is involved in the preparation of the research proposal submitted by the applicant.
- (viii) The applicant has joint research publications with the Reviewer/Committee Member in the last three years.
- (ix) The applicant/Reviewer/Committee Member, in contravention to the accepted norms and ethics followed in scientific research has a direct/indirect financial interest in the outcomes of the proposal.
- (x) The Reviewer/Committee Member stands to gain personally should the submitted proposal be accepted or rejected.

The Term "Relative" for this purpose would be referred in section 6 of Companies Act, 1956.

3. Regulation:

The DST shall strive to avoid conflict of interest in its funding mechanisms to the maximum extent possible. Self-regulatory mode is however recommended for stake holders involved in scientific research and research management, on issues pertaining to Conflict of Interest and scientific ethics. Any disclosure pertaining to the same must be made voluntarily by the applicant/Reviewer/Committee Member.

4. Confidentiality:

The Reviewers and the Members of the Committee shall safeguard the confidentiality of all discussions and decisions taken during the process and shall refrain from discussing the same with any applicant or a third party, unless the Committee recommends otherwise and records for doing so.

5. Code of Conduct

5.1 To be followed by Reviewers/Committee Members:

- (a) All reviewers shall submit a conflict of interest statement, declaring the presence or absence of any form of conflict of interest.
- (b) The reviewers shall refrain from evaluating the proposals if the conflict of interest is established or if it is apparent.
- (c) All discussions and decisions pertaining to conflict of interest shall be recorded in the minutes of the meeting.
- (d) The Chairman of the Committee shall decide on all aspects pertaining to conflict of interests.
- (e) The Chairman of the Committee shall request that all members disclose if they have any conflict of interest in the items of the agenda scheduled for discussion.
- (f) The Committee Members shall refrain from participating in the decision making process and leave the room with respect to the specific item where the conflict of interest is established or is apparent.
- (g) If the Chairman himself/herself has conflict of interest, the Committee may choose a Chairman from among the remaining members, and the decision shall be made in consultation with Member Secretary of the Committee.
- (h) It is expected that a Committee member including the Chair-person will not seek funding from a Committee in which he/she is a member. If any member applies for grant, such proposals will be evaluated separately outside the Committee in which he/she is a member.

5.2 To be followed by the Applicant to the Grant/Award:

- (a) The applicant must refrain from suggesting referees with potential Conflict of Interest that may arise due to the factors mentioned in the specifications described above in Point No. 2.
- (b) The applicant may mention the names of individuals to whom the submitted proposal should not be sent for refereeing, clearly indicating the reasons for the same.

5.3 To be followed by the Officers dealing with Programs in DST:

While it is mandatory for the program officers to maintain confidentiality as detailed in point no. 6 above, they should declare, in advance, if they are dealing with grant applications of a relative or family member (including but not limited to spouse, child, sibling, parent) or thesis/ post-doctoral mentor or stands to benefit financially if the applicant proposal is funded. In such cases, DST will allot the grant applications to the other program officer.

6. Sanction for violation

6.1 For a) Reviewers / Committee Members and b) Applicant

Any breach of the code of conduct will invite action as decided by the Committee.

6.2 For Officers dealing with Program in DST

Any breach of the code of conduct will invite action under present provision of CCS (conduct Rules), 1964.

7. Final Appellate authority:

Secretary, DST shall be the appellate authority in issues pertaining to conflict of interest and issues concerning the decision making process. The decision of Secretary, DST in these issues shall be final and binding.

8. Declaration

I have read the above "Policy on Conflict of Interest" of the DST applicable to the Reviewer/ Committee Member/ Applicant/ DST Scheme or Program Officer # and agree to abide by provisions thereof.

I hereby declare that I have no conflict of interest of any form pertaining to the proposed grant *

I hereby declare that I have conflict of interest of any form pertaining to the proposed grant *

* & # (Tick whichever is applicable)

Name of the Reviewer/ Committee Member or Applicant or DST Officer

(Strike out whichever is not applicable)

(Signature with date)

D - Biodata - Detailed Bio-data of the Applicant (PI)

Format for Biodata

- a.** Name, Address, Gender, Date of Birth, Institution's Address, Email & Mobile no etc.
- b.** Academic Qualifications (University/College from where attained, year of passing, Class/ CGPA/% obtained, Thesis title, Thesis Supervisor etc.)
- c.** Publications list (Title of paper, authors, Journal details, pages, year etc.)
- d.** Patent list, if any
- e.** List of Projects undertaken (completed/ ongoing)