



# Funding Opportunities for Young Women Mathematicians

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# DST Initiative



# MATHEMATICAL SCIENCES OFFICE (MSO)

MSO was created in the year 1994 as a separate unit in DST

- i) to promote R&D in all areas of mathematical sciences (Mathematics, Statistics, Operations Research and Theoretical Computer Science)
- ii) to follow up recommendations of the National Committee on Mathematics Education, Research and Training.



# Categories of DST Scholarship for Women (Started in 2002)

- Scholarship for Research in Basic/Applied Science (WOS-A)
- Scholarship for Research in S&T - based Societal Programs (WOS-B)
- Internship for the Self-Employment (WOS-C)



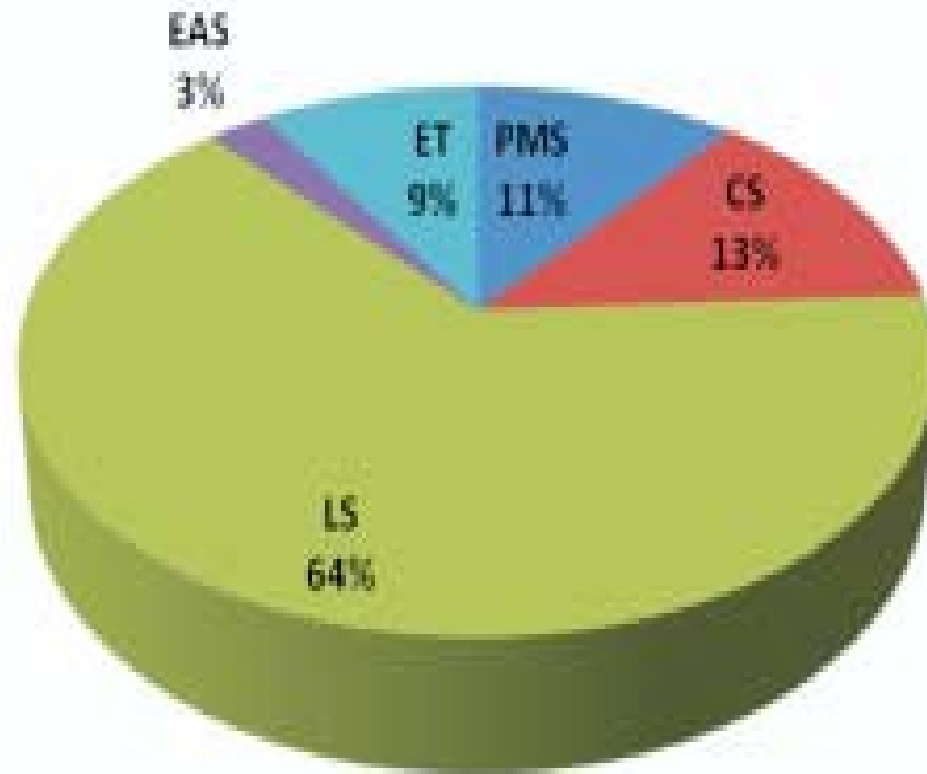
# ‘Women Scientist Scheme- A (WOS-A)’

- Started in 2002
- Received 4974 proposals against which 1045 projects have been supported in different disciplines.
- Last year trend indicates approx. 35% approval rate.
- Provides opportunities to women scientists and technologists who had ***break in their careers*** for pursuing research in frontier areas of Science and Engineering.



# Scholarship Scheme WOS A : Research in Basic & Applied Sciences

Proposals Received during 2010-11



# ‘Women Scientist Scheme- B (WOS-B)’

Objective: To motivate women scientists to contribute to the development of the country through

- (i) research, development and adaptation of technology for improving the quality of life and provide opportunities for income generation in urban slums or rural areas.
- (ii) Adaptation and transfer of an innovative technology form laboratory to field in rural areas. Under the scheme, projects will be considered from the scientist in areas of science, engineering or medicine.

**The minimum essential qualifications are PG degree equivalent to M.Sc in basic or Applied Science.**



# Internship for Self-Employment (WOS-C)

- The objective of this scholarship is to create a large pool of trained women workforce with experience in diverse areas and building up a professional network.





# National Award for Women's Development through Application of Science & Technology

- This award is instituted to recognize the contributions of individuals/institutions who have worked at the grass root level for women's development through application of science and technology.
- This prestigious award comprises of a memento, a cash prize of Rs.1.00 Lakh for individual and Rs. 10.00 Lakhs for institution with citation.



# UGC, CSIR and other initiatives



# Scholarship for Single Girl Child

- **CBSE Merit Scholarship Scheme for "Single Girl Child" for +2 studies**  
([cbse.nic.in/meritsc.htm](http://cbse.nic.in/meritsc.htm) )
- **UGC Post-Graduate Indira Gandhi Scholarship for Single Girl Child for PG academic session 2011-12** ([www.ugc.ac.in](http://www.ugc.ac.in))  
( Scholarship Rs.2000 per month)



# CSIR Initiatives

- CSIR Programme on Youth for Leadership in Science (CPYLS)
- CSIR Diamond Jubilee Research Interns Awards
- Junior Research Fellowship (JRF- NET) ,JRF-GATE
- Technology led entrepreneurship programme to Research Scholars (TEP)
- Dr Shyama Prasad Mukherjee (SPMF) Fellowships
- Senior Research Fellowship (SRF)
- Senior Research Associateships (SRA-Scientist Pool)
- Travel Grants (PTG)
- Grant for holding Symposium/ Seminars

*[The fellowships are given for doing PhD.*

*Relaxation in age limit upto 5 years for SC/ST/OBC /physically handicapped and **women candidates.***

*website <http://www.csirhrdg.res.in.>]*



# Scholarships General

- **National Board for Higher Mathematics Scholarships 2011 for MA/MSc in Mathematics [www.nbhm.dae.gov.in](http://www.nbhm.dae.gov.in)**
- **Kishore Vaigyanik Protsahan Yojana (KVPY) [www.serc-dst.org](http://www.serc-dst.org)**
- **UGC Rajiv Gandhi National Fellowship 2011-12( for SC/ST students)**
- **UGC Maulane Azad National Fellowship 2011-2012 for minority communities**
- **UGC post graduate merit scholarship for University Rank Holders**
- **National Handicapped Finance and Development Corporation Scholarship for Students with Disability ([www.nhfdc.nic.in](http://www.nhfdc.nic.in) [nhfdc97@gmail.com](mailto:nhfdc97@gmail.com))**
- **R&D Support in Earth and Atmospheric Sciences, Ministry of Earth Sciences [rdeas@moes.gov.in](mailto:rdeas@moes.gov.in)**
- **DST fast track scholarships for young Scientists  
<http://www.serc-dst.org/new/index.asp>**



## Additional Information

### ➤ CORPORATE INITIATIVES (Scholarships for women only)

- PROJECT SARASWATI AWARDS SCHOLARSHIPS  
([www.fairandlovely.com](http://www.fairandlovely.com))
- J. N. TATA ENDOWMENT LOAN SCHOLARSHIPS

### ➤ IITs INITIATIVE

- Women candidates are exempted from paying fee for JEE application form



# Salient points for consideration in writing a proposal

- Thrust Area programmes get priority
- Less than 35 lakhs is processed quickly.
- Private organizations should collaborate with IITs/ Universities/Public funded institutions
- Loan related assistance for budding technologists to incubate bright ideas.
- Private institutions are in the lead for loan only. ( So, collaborations are a must)
- Proposals should say the following very clearly:
  - i) Objectives
  - ii) competence of the PI
  - iii) Relevance
  - iv) Methodology
  - v) work plan and
  - vi) User Agency



## Websites of Funding Agencies ( for all branches)

Department of Science & Technology (DST) <http://dst.gov.in>,  
<http://serc-dst.org>

Council of Scientific & Industrial Research(CSIR) <http://www.csir.res.in>

Indian National Science Academy (INSA) <http://www.insa.ac.in>

Bhabha Atomic Research Centre (BARC) <http://www.barc.ernet.in>

Tata Institute of Fundamental Research <http://www.tifr.res.in>

Defence Research & Development Organisation (DRDO)

Indian Space Research Organisation (ISRO) <http://www.isro.org>







Thank You