



BAIF Development Research Foundation

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Dear Sir/Madam,

This letter is to inform you about a Proposed **Orientation cum Capacity Building Workshop for Women Scientists** under DST Supported Fellowship program (WOS WISE- for Women in Science and Engineering)

BAIF Development Research Foundation (BAIF) and the **Department of Science and Technology, GoI** have planned a joint Workshop as per details below for the benefit of Current & Aspiring Women Scientists.

Date: 21st and 22nd March, 2024

Venue: BAIF Seminar Hall at BAIF Head Office, BAIF Development Research Foundation, Dr. Manibhai Desai Nagar, Warje, **Pune- 411058**

Phone: +91-20-25231661-9

Website: <https://baif.org.in/>

The workshop is planned to be held in Pune on **21 March 2024** (Classroom sessions) and **22nd March (Optional Field visit)**. The first day would be dedicated to classroom sessions (10 AM to 5:30 PM), followed by an immersive field visit (Optional) to BAIF Central Research Station at Urali Kanchan, near Pune for Day 2 (Up to 5 pm)

The WISE SCOPE Fellowship program of the Department of Science & Technology (DST) aims to provide opportunity to Women Scientists and Technologists who have completed Ph.D. and want to utilize their S&T knowledge and expertise for the benefit of society. This program aims to support projects that directly deal with challenges at grassroots level covering various thematic areas and address them through S&T interventions. Project proposals are expected to include the development of viable technology/technique with possibility of **lab-to-land transfer**, adaptation and scaling up **for the benefit of society** under identified broad thematic areas.

More details can be found on LINK below

<https://onlinedst.gov.in/Projectproposalformat.aspx?Id=2323>

In view of the above, the proposed workshop is planned. The workshop is meant for many women scientists who are part of this Fellowship already and also those who are aspiring to apply for this fellowship WISE SCOPE in near future.

Considering your institution's commitment to Science and Technology, we request you to nominate **women scientists and technologists** (including **current students, researchers and alumnae**) working in the area of S&T applications at the grassroots level.

Through this participation, aspiring fellows would gain on many fronts in terms of

- Enhanced awareness on this Scheme, Procedures, Guidelines, Criteria, thematic areas and proposal pitch preparation
- Enhanced understanding involving DST Experts and Thematic Leads on emerging challenges, pressing issues and potential for S& T application covering diverse thematic areas like agriculture, engineering, health and nutrition, Natural Resource Management, green and clean energy applications, Climate actions

We would be happy to host fellows and aspiring fellows for this **2-day workshop** (Would take care of day food on both the days and field visit related local travel on day 2)

Fellows are required to make their own travel arrangements to reach the Venue in Pune.

Accommodation arrangements can be made available in BAIF Hostel in same campus **on request and first cum first basis**. Those requiring accommodation can **contact Ms. Sharmila Jadhav** (sharmila.jadhav@baif.org.in) at 020-25231661

Since this workshop can accommodate only **100** women participants, this is a request to aspiring fellows to kindly confirm their willingness and participation **at earliest/ by or before 15 March** to our Workshop Coordinator, **Ms. Santarpana** (workshop@baif.org.in).

Thanking you,



Dr. Rajashree Joshi
Programme Director

Guidelines to Apply in WISE-SCOPE Fellowship

Societal challenges refer to problems and issues that affect societies on a large scale, often spanning across multiple domain such as economic, environment, technology, health, energy, waste, water, management, agriculture and more. These challenges typically require collaborative efforts and innovative solutions to address and mitigate their impact. When scientists, identify and tackle societal challenges by providing innovative and scientific solutions, they often uncover new possibilities for economic growth, social development, environmental sustainability, employment generation, entrepreneurs, enterprise opportunities etc.. Addressing climate change challenge can lead to the emergence of technologies to mitigate the environmental issues and drive economic growth.

In view of the above, the DST, WISE-KIRAN division offers the opportunity to women Scientists to provide scientific solutions to tackle societal challenges at their local level or otherwise under its WISE-SCOPE Fellowship program.

The WISE SCOPE Fellowship of the Department of Science & Technology (DST) aims to provide opportunity to Women Scientists and Technologists who have completed Ph.D. and want to utilize their S&T knowledge and expertise for the benefit of society. This program promotes projects that directly deal with challenges at grassroots level and address them through S&T interventions. Projects under WISE-SCOPE should provide S&T solutions to our social problems, livelihood generation, drudgery reduction, health and nutrition related issues, management of natural resources, sustainable agriculture, use of technology for benefit of large section of society, climate changes, disaster management, etc. by application of lab research at field level for the benefit of masses.

Project proposal should include the development of viable technology/technique with possibility of lab-to-land transfer, adaptation and scaling up for the benefit of society under following broad thematic areas.

Broad Thematic Areas:

1. Agriculture and Allied Sciences (AAS): Focusing on Crop Improvement, Soil health, Drudgery Reduction, Natural Farming, Seed quality, Organic pesticides, Skill upgradation and livelihood generation for traditional artisans and Farmers, Scientific Studies and validation on a Tribal Knowledge system, Innovative Packaging Solutions, Innovative Products for Consumers, Low Cost Solutions for farmers, Vegetable garden, Medicinal plants, Microbes in crop protection and production, Innovation in dairy technology and product development, scientific study on diseases and its mapping for livestock health, AI in agriculture, and encouraging automation etc..

2. Health, Food and Nutrition (HFN): Focusing on Medical Science applications, Telemedicine, Remote monitoring, Precision medicine, Community medicine, Cognitive Science application, AI in healthcare, Scientific Studies and validation of traditional knowledge of health in Ayurveda, scientific study and validation of yoga, Mental health, Women health, Children health and elderly population, Viral diseases, etc. Nutraceuticals, Fortified food, innovations to address lifestyle disorders, development of Health Kits, Millets, food adulteration, developing innovative packaging and value added nutritious products, Economic empowerment and Nutritional security of women and various related scientific solutions for improving health of all population.

3. Energy, Water and Waste Management (EWWM): Focusing on Green and renewable energy, Scientific solutions for solid, liquid and biomedical waste management, circulatory, waste recycling, low cost alternative for plastics, industrial toxic effluents, Sustainable building materials, Green technologies, Green Solutions, Energy efficiency, Energy transport, Solar cells, solar energy, drinking water, water contamination, water purification, Scientific study and mapping of available

water sources, Bio hydrogen production technology, Quality control monitoring, other related scientific solutions for challenges in the area of energy, water which may also generate future entrepreneurs.

4. Engineering and Technology Development (ETD): Technology focusing on agriculture, health, energy, waste management, astrophysics, materials, weather, Remote sensing, sustainable development, environment, communication, climate change, Quality of life, drudgery reduction, Automation and tracking solutions for researchers or students etc. through the AI, ICT tools, Engineering, and Technological solutions.

5. Environment, Climate and Sustainable Development (ECSD): Biodiversity, Ecology, Eco system based service based solutions, Forestry, disaster planning, Carbon smart interventions, Zero carbon emission, Carbon sequestration, Climate change, pollution, sustainable development goals etc.

Division may announce the special call on any other specialized area which benefit society if required.

Eligibility:

- 1. Employment:** Candidates in regular employment are not eligible for WISE-SCOPE. However, women scientists who are temporarily employed in research or academics may apply in this program but they have to leave earlier assignment, if, selected in WISE-SCOPE program.

The position of research staff in any project, Post-Doctoral Fellow, Research Associate, etc. will be considered as temporary assignment.

- 2. Age:** The minimum age to apply is 27 years and maximum is 60 years as on the date of submission.
- 3. Educational Qualification:** Women Scientists who have completed Ph.D. in Basic or Applied Sciences or having equivalent degree like MD/MS/MDS are eligible for WISE-SCOPE.

Financial Support: This Program provides the fellowship of the applicant @Rs.55000/- per month, Research Grant of Rs. 2.0 Lakh per year, Field Demonstration etc. of Rs. 1.0 Lakh (for project tenure) and cost of small equipment's (up to a maximum of Rs. 3.0 Lakh) along with Institutional overhead charges and House Rent Allowances as per DST norms.

Project Tenure: Up to 3 years.

When to apply: The call for submission of new proposal under WISE-SCOPE will be open twice in a year and details can be seen at DST website www.dst.gov.in. One in January and another in July month of every year.

Where to apply: The proposals should be submitted at DST portal "<https://onlinedst.gov.in/>".

NOTE: Though, WISE-SCOPE fellowship encourages the creation of employment and entrepreneurship with outcome of fellowship project but does not provide any further financial support for entrepreneurship or enterprise creation.



