

**GOVERNMENT OF INDIA**  
**MINISTRY OF SCIENCE AND TECHNOLOGY**  
**DEPARTMENT OF SCIENCE & TECHNOLOGY**

**INDIA-JAPAN COOPERATIVE SCIENCE PROGRAMME (IJCSP)**  
**CALL FOR PROPOSALS-2018**

**DEADLINE DATE FOR SUBMITTING PROPOSALS: 5<sup>th</sup> September, 2018**

The Department of Science and Technology (DST), Ministry of Science & Technology, Government of India, New Delhi and the Japan Society for the Promotion of Science (JSPS) conduct the India-Japan Cooperative Science Programme (IJCSP) to promote bilateral scientific collaboration between Indian and Japanese scientists. Applications are invited from eligible Indian researchers /scientists to submit proposals for **Joint Research Projects** and **Joint Workshops/Seminars** under IJCSP.

**I. Areas of cooperation:** The support is available to the following scientific areas:

**[A] Fundamental Sciences: Physical and Chemical Systems**

1. Condensed Matter Physics
2. Molecules and Molecular Assembly Science
3. Interface Science and Catalysis

**[B] Materials and System Engineering: Man-made Systems**

1. Advanced Materials and Nanotechnologies (This keyword includes areas of metal ceramics, polymer science & engineering and materials processes)
2. Engineering Sciences (This keyword includes areas of manufacturing science and engineering and synthesis & analysis/optimization & simulation of engineering processes and systems)

**[C] Natural Systems: Life Sciences and Bioengineering**

1. Molecular and Chemical Biosciences
2. Biotechnology and Bioengineering
3. Medical Biosciences
4. Cognitive Science

**[D] Astronomy, Space, Earth System and Sciences**

1. Astronomy, Astrophysics, and Space & Planetary Science
2. Geosciences (Marine, Meteorology, Geology, Paleontology)
3. Geophysics and Geochemistry for Global Issues (Global warming and Natural Resource)

**[E] Mathematics and Computational Science**

1. Mathematical Science
2. Computational Science and Engineering
3. Big Data analytics
4. Machine Learning

## **II. Who can apply:**

- The joint application must include one Indian and one Japanese Principal Investigators, who would be responsible for technical as well as administrative co-ordination of the project and its periodic scientific and financial reporting to the DST/ JSPS respectively.
- The Principal Investigator (PI) and other investigators in India should be scientists/ faculty members working in regular capacity in UGC recognized Universities/ Deemed Universities/ Academic Institutes and National Research & Development Laboratories/ Institutes. It is preferred that a member of the project team may be designated as Co-PI.
- The Japanese PIs must be full time researchers employed at Universities or other research institutions recognized by JSPS. Further details in respect of Japanese participants JSPS website ([www.jsps.gov.jp](http://www.jsps.gov.jp)) may be referred to.

**Please note that on the Indian side applicant already implementing two projects funded by the International Division of DST is not eligible to submit the project against this call.**

## **III. The Duration of Project:**

The duration of the projects would be up to two years. (Visits to be completed within one year and 10 months).

## **IV. Kind of support available:**

- The sending side would provide the international travel cost and receiving side will provide local hospitality including accommodation charges, per-diem and local travel.

### **DST provides the following support under the Programme:**

- For Indian Researchers – Cost of International airfare to and from the designated research location, visa fee, air port taxes, overseas medical insurance premium for the approved visit duration and airport transfers in India.
- For joint workshops/seminars to be organized in India, local travel cost of selected Indian participants and organizing expenses may also be considered for support as per DST norms.
- For Japanese Researchers – Cost of accommodation in a guest house, per diem and domestic travel expenses in India including airport transfers as per DST norms.

## **V. Guidelines for Proposal Submission**

### **1. Proposals**

- Duly filled relevant application forms distributed by Department of Science and Technology (also available on the websites [www.dst.gov.in](http://www.dst.gov.in) in India and [www.jsps.gov.jp](http://www.jsps.gov.jp) in Japan) which are approved by the heads of the institutions of the coordinators.
- Curricula vitae of both research teams.
- Letter of intent exchanged between the coordinators of the project.

### **2. Submission**

- The deadline for the submission of proposals is **5<sup>th</sup> September, 2018**.
- The Indian researchers can download the proposal formats from websites [www.onlinedst.gov.in](http://www.onlinedst.gov.in) and should submit completed application form and all relevant information. Proposals must be submitted to DST through the **e-application system** provided at [www.onlinedst.gov.in](http://www.onlinedst.gov.in). Indian Applicants are also requested to send three hard copies (1 original + 2 copies) to DST by **5<sup>th</sup> September 2018** through proper channel. **It should be ensured that application with identical title has been submitted by his / her Japanese counterpart to JSPS by due date.**
- **Proposal submitted only on one side will not be considered.**
- Japanese Principal Investigators need to submit proposals with a matching joint research project / seminars plan to JSPS simultaneously. Japanese Researchers are requested to contact JSPS for their application submission period, documents to be submitted etc.
- Hard copies of proposal should be submitted/mailed/e-mailed to the following addresses:

Dr (Mrs) Ujjwala Tripti Tirkey, Scientist 'F'/Director, Room No. C-2, S&T Block II, International Cooperation (Bilateral), Department of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi 110016

Tel: +91 (0)11 2659 0377; +91 (0)11 2686 4642 Email: [ujjwala@nic.in](mailto:ujjwala@nic.in)

## **VI. Evaluation of Proposals**

- Proposals will be evaluated independently by the Department of Science and Technology in India and JSPS in Japan using their own procedures. Decision towards funding will be mutually agreed based on the gradings (on 1 to 10 scale) received on the two sides. Coordinators are likely to be informed in March/April 2019 about evaluation results. The jointly approved projects are likely to be started in June 2019.

- Please note that only jointly submitted proposals to DST and JSPS will be considered.
- For further information please contact DST officials and JSPS at the coordinates given above.

**For detailed guidelines and application format, please visit  
International Cooperation (Bilateral) at**

<https://onlinedst.gov.in/Projectproposalformat.aspx>

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