

# Astrobiology and Analogue Sites for the Indian Space Programmes

DST Funded High-End Joint Workshop "KARYASHALA"

October 30 – November 4, 2023

Venue: Indian Institute of Technology, Mandi, HP, India

Revised  
Dates



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IIT Mandi



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Prof Laxmidhar Behera,  
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PSDN, PRL

The workshop is aimed at training the students in the highly transdisciplinary areas of research related to astrobiology and planetary sciences; microbial processing in extreme conditions (astrobiology) to macroscale sites having extreme conditions (analogue sites). ISRO's ongoing programmes of exploring Moon/Mars missions and availability of planetary datasets from spacecrafts calls for hands-on training in astrobiology which will be imperative for in-situ exploration to unravel the unknown behaviour of microbes in conditions analogues to Mars.

## Selection Criteria:

- Candidates pursuing MSc/PhD
- Subjects: Bio science, Chemistry, Geology and interdisciplinary subjects related to astrochemistry / astrobiology
- Eligible from any Indian University, Institutes/research centres
- Candidates with >60% marks in the UG/PG degree
- Preference to candidates with published papers / conference

Events: 30<sup>th</sup> Oct – 4<sup>th</sup> Nov, 2023

(Revised Dates)

- Specialized Lectures by Experts
- Hands on Training Sessions
- Night Sky Observation Sessions
- Field Trip
- Outreach and Open House

Revised Dates

Application deadline – Sept 03, 2023

Selection notification – Sept 15, 2023

Number of students to be selected - 12

Workshop mode - In Person

## Application Procedure:

- 1) A letter of authentication and No Objection Certificate (NOC) from Supervisor/Head of the department/Institute,
- 2) Copy of final transcript from UG/PG degree,
- 3) List of papers published including DoI,
- 4) List of abstracts presented at national/international conferences,
- 5) Detailed CV, and
- 6) One page write up about your interest in planetary exploration. E-mail all documents as a single pdf file to [iitmandidst@gmail.com](mailto:iitmandidst@gmail.com)

**Support: Two way train fare, Accommodation, and Food Expenses**