

## **Max Planck Partner Group Junior Research Fellow at IISER Bhopal, India**

Applications are invited from highly motivated and team-oriented young candidates for Max Planck Partner Group's Junior Research Fellow (MP-PG JRF) position at the atmospheric Greenhouse gas Modeling and Applications (GMA) group, Department of Earth and Environmental Sciences (EES) IISER Bhopal. The fellowships will be supported by the Max Planck Society in Germany, as part of the Max Planck partner group. The GMA group's research involves implementation of atmospheric greenhouse gas modeling approach to the Indian subcontinent. One of our critical research topics is about monitoring emission hotspots in India (e.g. cities) in the context of rapidly increasing anthropogenic emissions and their impact on climate. Please visit our website <http://home.iiserb.ac.in/~dhanya> for more details. The successful MP-PG JRF will be closely collaborating with the Max Planck Institute of Biogeochemistry in Jena, Germany, and will likely have the opportunity to spend some periods at the Max Planck Institute, Germany.

**Number of positions:** One JRF

**Duration:** Initially for an year, but extendable based on candidate's performance

### **Eligibility**

#### **Essential**

1. Candidates should have good knowledge/interest in at least one of the following fields: physics and chemistry of the atmosphere, remote sensing of the Earth system, numerical modeling and data-analysis. Strong background in Mathematics/Numerical methods.
2. Master's (M.Sc.)/M.Tech degrees in any of the disciplines of Atmospheric Science, Physics, Environmental Physics/Science, Mathematics, and Chemical, Environmental, Computer and Civil Engineering from a recognized University/ Institution with a minimum of 60% marks or CGPA/CPI of 7.0 on a 10 point scale (overall percentage/CGPA/CPI; not only in majoring subject). Candidates having a M.Tech./M.E. degree from India must have qualified the GATE exam at the time of admission to the M.Tech./M.E. programme. GATE examination is exempt for those with B.Tech. from IITs or BS-MS from IISERs with CGPA/CPI more than 8.0 on a 10 point scale.
3. In addition to minimum qualification, for all candidates, National level examinations like National Eligibility Test (NET)/CSIR-JRF/UGC-JRF/INSPIRE-Ph.D./GATE/Rajiv Gandhi Fellowship or any other equivalent Fellowship is mandatory.

**Desirable:**

1. Strong aptitude towards pursuing PhD.
2. Experience in Programming (like FORTRAN, C/C++, Matlab, Python, NCL etc.); Shell scripting.
3. Handling of a large volume of data and conversant with data format like NetCDF, HDF, GRIB etc.
4. Working experience in LINUX/UNIX environment.

**Salary and Benefits**

The MP-PG JRF position offers a monthly fellowship of Rs. 31,000 + 16% HRA. Candidate will also have the opportunity to apply for Ph.D offered by the IISER Bhopal, based on their performance, merits and mutual interests.

**Application Procedure**

Interested candidates should fill the online application:

<https://forms.gle/qqYXnXp1KSdojivGA>

The application deadline is August 15, 2020; but applications will be considered until the positions are filled. Other mode of applications and/or different or modified application format will NOT be accepted. Incomplete application will not be considered and no correspondence will be entertained with regard to the application status. Only shortlisted candidates will be asked to appear for an interview. No TA/DA will be paid to attend the interview. The candidate selected will be required to join as early as possible.

PI

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