



Junior Research Fellow (JRF) Position at IIT Gandhinagar

I am seeking a highly motivated candidate for a project- **High Impact Weather Events in Eurasia selected, Simulated and Storified (HIWAVES3) – Belmont Forum** funded by the **Ministry of Environment science (MoES), Government of India**. The main aim of the project will be to increase our scientific understanding about selected high-impact extreme events in Eurasia, their physical origin, the link between meteorology and impact, their inter-regional linkages, their predictability and the uncertainties in the modeling of these events. The project has the following objectives:

- 1. Assess the effect of global warming on these selected high-impact extreme events and the possible emergence of new types of extremes.**
- 2. Reach out to climate and impact data users to tailor our research to their needs.**
- 3. Construct powerful stories using selected high-impact events. These narratives include the origin of the extreme event from a meteorological and impact perspective, its inter-regional linkages, its predictability, its societal implications (agriculture, economics, health) and how climate change affects its magnitude and probability.**

Preferred applicants will have **B.Tech/M.Tech in Civil Engineering or closely related field** with an emphasis on research areas related to hydrology, water management, climate change, and application of remote sensing in water resources. Applicants should have strong programming background (**MATLAB, Python or C**), good skills in remote sensing and GIS with the knowledge to use **ENVI/ERDAS** software. Successful candidates are expected to have strong communication (both oral and written) skills.

The initial appointment will be for one year, which may be extended based on performance. The selected candidate will receive a salary of **Rs. 25000 + HRA**. The responsibilities of the selected candidate will include conducting research, attending conferences/seminars, and publishing in scientific peer-reviewed journals.

Interested candidates are encouraged to send their CV to **Dr Vimal Mishra**, Associate Professor, Civil Engineering (aws.iitgn@gmail.com) **before October 16, 2018**. Shortlisted candidates will be informed and called for interview which will be held at IIT Gandhinagar.