



**Indian Institute of Science Education and Research
Bhopal**

Research & Development Office

**Approval of Advertisement and Selection Committee for
Appointment in Project**

Date : 16-12-2017

1. Project No : ISRO/EES/2017022
2. Project Title : Potential of dual fequency polarimetry SAR images to understand the effect of drainage congestion due to road network on the flood inundation in the Kosi Fan.
3. Position to be Advertised : Junior Research Fellow (JRF)
4. Salary Range : 25,000 + 20% H.R.A. or first two years and **28,000/- + 20% H.R.A** in third year (**in case of continuation**).
5. Duration : For one year extendable up to the duration of the project subject to satisfactory performance.
6. Selection Committee :
 - i) Pankaj Kumar (Chairman)
 - ii Dhanyalekshmi K. Pillai (Member)
 - iii) Satinder Pal Singh (Member)
 - iv) Kumar Gaurav (Convenor/
Project Investigator)

The above Committee may kindly be approved.

Kumar Gaurav
(Principal Investigator)

Approved
Sanjay 19/12/17
Dean, Research & Development



Applications are invited from Indian nationals for the post of "Project JRF" in **Indian Space Research Organisation (ISRO)** sponsored research project under **NASA-ISRO Synthetic Aperture Radar (NISAR) mission**.

Name and number of the Post: **Junior Research Fellow; 01 (One)**

Duration: Initially for **one year** and extendable up to the **duration of the project (3 years)** subject to satisfactory performance.

Profile of qualifications:

Essential:

- Master's (M.Sc.) /M.Tech degree in Geology/Physics/Geoinformatics/Remote sensing and GIS/*Earth and Environmental Sciences/Electronics/Computer/civil Engineering* from a recognized University/ Institute with a minimum of 60% in aggregate or CGPA/CPI of 7.0 and above on a 10 point scale (overall percentage/CGPA/CPI; not only in majoring subject). The candidate must have physics or Mathematics as a minor in BSc.
- In addition to minimum qualification, for all candidates, a National level examination like National Eligibility Test (NET)/CSIR-JRF/UGC-JRF/INSPIRE-Ph.D./GATE/Rajiv Gandhi Fellowship or any other Fellowship is mandatory however, candidate having **M.Tech.** degree is exempted.

Desirable:

- Working knowledge in microwave remote sensing/ water resources / hydrology/ GIS.
- Experience in working with programming languages (e.g; C/C++, python etc.) and image analysis tools.

Age Limit: Applicant should not have completed 28 years of age at the time of application.

Salary: 25,000/- + 20% H.R.A. for first two years, and 28,000/- + 20% H.R.A in third year (in case of continuation).


Accommodation: Accommodation as per Institute rules shall be provided on the Campus on joining the Institute (this is subject to availability). In the case of non-availability of residential accommodation, HRA @ 20% shall be admissible.

Application Procedure:

The application containing cover letter, detailed CV with recent photograph and name of two referees in a single pdf file should reach on or before 31st January, 2018 by e-mail (kgaurav@iiserb.ac.in) or by post to the address mentioned below.

Only shortlisted candidates will be called for an interview; **no TA/DA** will be paid for attending the same. The candidate selected will be required to join as early as possible. Reservations will be according to Government of India rules.

Dr. Kumar Gaurav
Assistant Professor
AB-II, 119
Department of Earth and Environmental Sciences
Indian Institute of Science Education and Research Bhopal
Bhopal Bypass Road, Bhauri
Bhopal: 462066, Madhya Pradesh, India



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डॉ. राज कुमार / Dr. Raj Kumar
उप निदेशक / Dy. Director
ईपीएसए / EPSA

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ई-मेल E-mail: rksharma@sac.isro.gov.in
ddepsa@sac.isro.gov.in

Ref: EPSA/3.1.1/2017

November 23, 2017

Dear Dr. Kumar,

Sub: Approval of L&S band Airborne SAR Research Announcement project proposal

It gives me great pleasure to inform you that your project proposal under L&S band Airborne SAR RA has been approved by the evaluation committee. The details of the project and the budget allocation along with the amount to be released during 2017-18 are given below.

Proj. Code	Title of the Proposal	Principal Investigator (PI)	Co-PI	Approved budget (in Lakhs)	Budget to be released during 2017-18 (in Lakhs)
Hyd-01	Potential of dual frequency polarimetry SAR images to understand the effect of drainage congestion due to road network on the flood inundation in the Kosi fan. (Duration:3 Yrs)	Kumar Gaurav, Indian Institute of Science Education and Research, Bhopal	Shashi Kumar, IIR-Dehradun	17.68	6.72

You are requested to re-confirm your acceptance to carry out this research project and send details of bank account of your institution for electronic transfer of project fund (if applicable) to the Research Announcement (RA) office. You are also requested to submit in original, the duly signed 'Declaration Form' as given in the Appendix-4 in the RA document at the address given below:

L&S band Airborne SAR Research Announcement Office
40-24, EPSA, Space Applications Centre
Jodhpur-Tekta, Ahmedabad-380015
Email: nisar-ao@sac.isro.gov.in

We look forward to working with you.

Regards,

डॉ. राज कुमार (Dr. Raj Kumar)

To:
Dr. Kumar Gaurav
Assistant Professor
Department of Earth and Environmental Sciences
Indian Institute of Science Education and Research
Bhauri By-pass Road, Bhopal - 462066 (Madhya Pradesh)

Kumar Gaurav