



भारतीय प्रौद्योगिकी संस्थान रुड़की Indian Institute of Technology Roorkee

HYDRO AND RENEWABLE ENERGY DEPARTMENT

Advt. No.: HRED/PDF/SK/01

Dated: 19/07/2021

ADVERTISEMENT FOR POST DOCTORAL FELLOWSHIP POSITION

The Department of Hydro and Renewable Energy at the Indian Institute of Technology Roorkee invites applications from outstanding and enthusiastic researchers for a postdoctoral position under the mentorship of **Prof. Sanjeev Kumar Prajapati** focused on “**Environmental management of water bodies through waste algal biomass-based energy production and greenhouse gas mitigation**”.

The prospective candidate is expected to have a strong background in the area of environmental bioprocess, with experimental skills on utilization of waste algal biomass for energy recovery, water sampling, microbiological processing and characterization. Apart from research activities under the above project, the candidate will be entrusted with other projects and academic responsibilities as deemed fit by department.

Last date for the submission of application by email is Aug. 20, 2021

Essential qualifications:

Ph.D.* degree in Environmental Microbiology, Environmental Engineering, Biogas Technology, Algal Bioprocessing, Environmental Management of Water bodies or related fields with a research background in the areas related to the project

Desirable qualifications:

- At least 02 SCI papers as first (or corresponding) author based on the Ph.D. research work
- 1–2 years’ experience in biogas, algal blooms and wastewater management, environmental management of water bodies or related areas
- Should have hands-on experience in handling the microbial cultures and water samples

** Candidates who have recently submitted their thesis are also eligible to apply subject to the condition that they should furnish the proof of the award of Ph.D. degree at the time of interview at IIT Roorkee if shortlisted*

Duration and Fellowship amount:

The duration of the fellowship will be 2 years extendable by one more year. The Fellowship may be terminated by either side by giving one-month notice. A consolidated fellowship of Rs. 55,000.00 per month for the first 2 years and Rs. 60,000.00 per month for the third year and a contingency of Rs. 50,000.00 per annum will be awarded to Post-Doctoral Fellows.

How to Apply:

Candidates should clearly mention Advt. No. and date with title of the position applying for with a covering letter, curriculum vitae, list of publications, research statement describing past research experience and future research plans in a single PDF file named as “**Candidate Name_Institute of Ph.D. Degree_Year of Ph.D.**” by e-mail, to:

Head,
Hydro and Renewable Energy (HRED)
Indian Institute of Technology Roorkee
Roorkee – 247667, Uttarakhand, INDIA
Email: head@hre.iitr.ac.in and copy to sanjukec@hre.iitr.ac.in)
Tel (O): (+91 1332) 285213 / 5913; 5167

Notes:

- (i) The applications are to be submitted through email only, **no hard-copy** of the application is required.
- (ii) **Applications received after the last date (i.e., Aug. 20, 2021) shall not be considered.**
- (iii) Post-Doctoral Fellows will be registered as students and may avail facilities of hostel accommodation, library, computer center, available hospital facilities etc. Depending upon the availability, they may get shelter accommodation also. They will be entitled to 2.5 days of leave per completed calendar month. No carry forward for leave will be allowed beyond a calendar year. PDF positions are purely temporary.
- (iv) The candidate called for discussion/interview will be reimbursed Bus/Train (2nd AC) fare from their place of residence/work and return

OR

Interview/discussion will be conducted online.

For further details about the Department and the Research group can be found at the bellow links:

Department of Hydro and Renewable Energy (HRED):

<https://www.iitr.ac.in/departments/HRE/pages/Home.html>

PI's profile: https://www.iitr.ac.in/~HRE/Sanjeev_Kumar



Prof Sunil Kumar Singal

Head,

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(Formerly Alternate Hydro Energy Centre),

Indian Institute of Technology Roorkee,

Roorkee - 247 667, Uttarakhand, India

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