



**Common Research Technology Development Hub (CRTDH) for New Materials/Stealth
Applications
Indian Institute of Technology Roorkee, Uttarakhand, India**

Advt. No.

Date: 06-12-2023

The CRTDH, Department of Electronics & Communication Engineering at the Indian Institute of Technology Roorkee invites applications from outstanding and enthusiastic researchers for Postdoctoral Position for working on a project entitled "**Development of Microwave Absorbing Materials with Broad Absorption Bandwidth for Stealth and Communication Applications**".

The prospective candidate is expected to have a strong background in materials synthesis and characterization especially in the area of microwave absorbing materials. The prior knowledge of synthesis of nanomaterials via chemical/ physical methods with hands-on experience in processing as well as characterization techniques, such as XRD, XPS, SEM, TEM, VSM, VNA and other electrical properties will be the desirable qualification. Other research activities may include participating in research discussion with overseas universities, industries and research centers.

Last date of application submission is Jan 07, 2024

Minimum Qualification and Experience

The prospective candidate should have following qualifications i.e., PhD from any of the premier institutes of the country in Chemistry, Material Science, Physics, Electronics Engineering, Engineering Sciences, Computer Science and Engineering or equivalent areas, good publication record in the area of modeling and characterizations for microwave related field. Candidate should have good command with simulation software like HFSS, COMSOL, FEKO etc and good command in programming skill like LabView, MATLAB, C++. Candidates

who have recently submitted their doctoral thesis are also eligible to apply subject to the condition that they will furnish the proof of award of PhD degree at the time of interview.

Duration and Fellowship amount

The duration of the fellowship will be two years, extendable by one more year. The candidate is expected to join the Department/Center as soon as offer letter has been released. The fellow will receive a consolidated fellowship as below in addition with the contingency grant of Rs. 50,000/- per annum.

First Year & Second Year: Rs. 55,000/- per month

Third Year: Rs. 60,000/- per month

How to Apply

Candidates can apply with cover letter, curriculum vitae, list of publications (with the most significant publications highlighted), research statement describing past research and plans for future research by email, to:

Dr. Dharmendra Singh
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Roorkee - 247 667. Uttarakhand, India.
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Notes:

- (i) The Postdoctoral Fellow (PDF) will be registered as IIT Roorkee students for availing the facilities of accommodation, hospital, medical insurance scheme, computer centre, library, sports, etc.
- (ii) The candidates called for discussion/interview will be paid II-AC train fare from their place of residence/work and back by the shortest route within India.