

SRM Institute of Science and Technology, Kattankulathur, Chennai 603 203
Junior Research Fellow (JRF)/Ph.D. Position funded by ECRA, DST-SERB Project

Applications are invited for a Junior Research Fellow position under a DST-SERB funded project entitled 'External stimulus tunable random lasing based on magnetic soft matter'.

Essential qualification: M.Sc. (Physics/Photonics/Applied Physics/Material Science) or M.Tech. (Photonics/Applied Optics/Laser Technology/Fiber Optics and Lightwave Engineering/Opto-Electronics and Optical Communication/Optics and Optoelectronics) securing minimum first class or equivalent CGPA.

Desirable: Experience in photonics/optics experiment and MATLAB programming skills.

Development opportunities: Selected candidate will have the opportunity to work in interdisciplinary field including tunable light-matter interaction, sample synthesis, lasers (pulsed and continuous wave), fibre optics spectrometer, spatial light modulator, Z scan measurement of nonlinear properties, interferometer development, instrument (optical and magnetic field setup) interfacing with LabVIEW, data analysis and collaborate nationally/internationally.

Age limit: 28 years or below till last date of application.

Fellowship: For NET/GATE qualified and M.Tech. candidates the fellowship is Rs 25,000 + 20% HRA = Rs 30,000 per month for 1st and 2nd year. Based on the performance, the JRF shall be promoted to Senior Research Fellow (SRF) in the 3rd year and the fellowship will be Rs 28,000 + 20% HRA = Rs 33,600 per month.

For non-NET/GATE candidates, the fellowship is Rs 16,000 + 20% HRA = Rs 19,200 per month for 1st and 2nd year. Based on the performance, the JRF shall be promoted to SRF in the 3rd year and the fellowship will be Rs 18,000 + 20% HRA = Rs 21,600 per month.

Fellowship tenure: 3 years.

Registration for Ph.D.: Selected candidate shall register for full time Ph.D. programme at SRM Institute of Science and Technology, Kattankulathur, Chennai 603 203.

Application procedure: Eligible candidates are requested to send their CV via e-mail to the Principal Investigator **Dr Junaid Masud Laskar** (e-mail: jmlaskar@gmail.com, junaidmasud.b@ktr.srmuniv.ac.in), Assistant Professor (Research), Research Institute, Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Kattankulathur, Chennai 603 203, Tamil Nadu. Subject of the e-mail should be 'Application for JRF position in tunable random laser'.

Application deadline: 15 days from the date of advertisement.

Research group: <http://www.srmuniv.ac.in/research-opportunities-details/9770>



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Eligibility: Bachelor's degree in **any branch of science/technology/medicine**
 (Those appearing for final examination/awaiting results are eligible to apply)

Scholarship schemes and fee waivers for deserving and meritorious candidates

Details: www.ibab.ac.in

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