Junior Research Fellow (JRF)
Position under DST-SERB Project

Applications are invited for a Junior Research Fellow position under a DST-SERB project entitled **'Self-Powered Electronic Nose based on Hybrid Nanomaterials for Breath Analysis**'.

Essential qualification: M.Tech. (Sensor System Technology/Nanotechnology/Solid State Technology/Materials Science and Engineering/Bio-Medical Engineering) or M.Sc. (Physics/Electronics/Materials Science/ Nanoscience) securing minimum first class or equivalent CGPA.

Desirable: Experience in chemical sensor and solar cell background with MATLAB programming skills. Selected candidate will work in interdisciplinary field (Synthesis, Characterization, Device fabrication, Electronics/ instrumentations and Data analysis).

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

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

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

Tenure: 3 years.

Eligible candidates are requested to send their CV **within 15 days** of this advertisement via e-mail to Dr S. Yuvaraj (e-mail: yuvaraj.si@ktr.srmuniv.ac.in). Candidates short-listed for the interview will be intimated through e-mail.

Registration for Ph.D.: Selected candidate shall register for full time Ph.D. programme at SRM University, Kattankulathur, Chennai.

Principle Investigator: Dr S. Yuvaraj, Assistant Professor (Research), Research Institute, Department of Physics and Nanotechnology, SRM University, Kattankulathur, Chennai 603 203, Tamil Nadu.

To know more about PI, visit **http://www.srmuniv.ac.in/research-opportunities-details/9442**

JRF Position under DST-SERB Project on Nanostructured based Air Filter

Applications are invited from highly motivated and eligible candidates for the position of Junior Research Fellow (JRF) in a SERB funded research project titled '**Developing Low-Cost Air Filter for Particles Smaller than 2.5 μm; Protect School Children, Hospital from Air Pollution**' (File number ECR/2017/000099).

Objectives of the project: Research will be carried out on synthesis of different nanofibre by advanced electrospinning system and fabrication of air filter. Our research institute offers comprehensive research environment equipped with FESM, HRTEM, Raman, XRD, CV, IV, PV, CVD, spectroscopy, analytical characterization, electrical characterization and more.

Eligibility: Master degree (M.Sc. or M.Tech. or equivalent) in Physics, Materials Science, Nanoscience/ Nanotechnology, Chemistry.

Fellowship: For Postgraduate Degree with CSIR NET, GATE, JEST qualification or GATE qualified Postgraduate Degree in Professional Course: Rs 25,000 + admissible HRA. For others: as per updated DST norms.

Registration for Ph.D.: Candidate selected for this position can also apply for the Ph.D. programme at SRM University, Kattankulathur, Chennai. **Age limit:** Candidate should not be more than 28 years. However upper age limit may be relaxed as per the existing rules.

Application procedure: Applicants should send a cover letter and curriculum vitae to **Dr Debabrata Sarkar** (Principal Investigator), Research Institute Faculty, SRM University to the following e-mail address: debabratasarkar.s@ktr.srmuniv.ac.in. Subject of the e-mail should contain 'Application for JRF in Air Filter'. Last date of application: **31 July 2017**.

Home page: **http://www.srmuniv.ac.in/research-opportunities-details/9402**

Original documents of photo ID/age proof certificates/degrees/mark sheets/GATE result and other testimonials must be presented at the time of interview. List of short-listed candidates will be displayed on the institute website and department notice board. TA/DA may be paid for attending the interview.