Advertisement for JRF position

Applications are invited for the position of a Junior Research Fellow (JRF) (co-terminus with the research project) to work in the Department of Atomic Energy (DAE) BRNS YSRA project entitled 'Latent fingerprint detection in forensic application utilising inorganic nanoparticles: synthesis and characterization'. The fellow is expected to work at Institute of Forensic Science and Criminology, Panjab University, Chandigarh.

The amount of fellowship and eligibility will be as per DAE and Panjab University norms.

**Project Duration**: Three years.

**Essential Qualification**: M.Sc. in Physics/Forensic Science or equivalent with minimum 55% marks. with consistently good academic records with NET qualification.

**Emoluments**: Rs 16,000 per month+20%HRA (for 1 and 2 Year), Rs 18,000 per month + 20% HRA (for 3 Year) (in case of NET qualified candidates)

**How to apply**: Apply on plain paper to the **Principal Investigator** with biodata (Matriculation onwards) accompanied by attested copies of your Certificates/Degrees. Kindly mention the above project title, your detail contact address, e-mail, cell no, telephone no., etc. Applications should reach the undersigned on or before 11 October 2011 by post. You can also send an advance copy of your CV to e-mail: sharmavishal05@gmail.com.

Interview date will be intimated by e-mail. No TA/DA will be paid if called for interview.

**Dr Vishal Sharma**  
Principal Investigator  
DAE-YSRA Research Project  
Institute of Forensic Science and Criminology (2nd Floor Pharmacy Extension Building)  
Panjab University, Chandigarh 160 014, India

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**PSG Institute of Advanced Studies**  
P.B. No. 1609, Avinashi Road, Coimbatore 641 004

Application on plain paper along with complete bio-data, attested copies of the certificates is invited for the position of JRF and SRF for the DRDO-LSRB and AR&DB projects respectively.

(1) **DRDO-LSRB project:**

**Title**: Microbial and chemical synthesis of TiO₂ nanoparticles and its application in the development of impregnated nanofibrous membrane for nitrate and fluoride removal from drinking water.

**Duration**: 3 years.  
**Emolument**: Rs 12,000/month (consolidated) + HRA.  
**No. of post**: 1 JRF.

**Qualification**: M.Phil./M.Sc./B.Tech. in Biotechnology/Microbiology/Biochemistry/Nanoscience and Technology with a minimum of 60% having good academic record. Candidates having NET/GATE will be preferred.

**PI**: Dr R. Selvakumar, Assistant Professor (Nanobiotechnology), PSG Institute of Advanced Studies, P.B. No. 1609, Coimbatore 641 004; e-mail: selvabiotech@gmail.com.

(2) **AR&DB project:**

**Title**: An investigation on grain refinement of Mg–Al alloys using Al–Si/Al₄C₃ master alloy and Al₄C₃ powders.

**Duration**: 3 years.  
**Emolument**: Rs 18,000/month (consolidated).  
**No. of post**: 1 SRF.

**Qualification**: M.Tech. or B.Tech. (minimum of 2 years experience) in Metallurgy/Mechanical/Production Engineering or M.Sc., in Material Science/Physics (minimum of 2 years experience) with a minimum of 60% having good academic record. Candidates having GATE/NET will be preferred.

**PI**: Dr K. R. Ravi, Assistant Professor (Metallurgy), PSG Institute of Advanced Studies, P.B. No. 1609, Coimbatore 641 004; e-mail: kravi.psgias@gmail.com.

Applications should reach the respective Principal Investigators, by post as well as through e-mail within 20 days from the date of appearance. No TA/DA will be paid for attending the interview. Successful candidate will be advised to register for Ph.D.