



University of Hyderabad
School of Physics
Hyderabad 500 046, INDIA

UOH/SOP/2022/BVR/DST/RA

Date: 24th March, 2022

School of Physics (SoP), University of Hyderabad (UOH) is inviting applications from eligible candidates for **Research Associate-I, purely on temporary basis**, in the DST-SERB project (PI: Prof. B.V.R. Tata, SoP) and Co-PI: Prof. S. Venugopal Rao, ACRHEM) on "**Fabrication of Photonic Crystals with Plasmonic Nanoparticles for Improved Optical Sensing and Detection of Hazardous Materials**"

Designation	Qualifications & Specialization
Research Associate (1 post)	<p>Essential:</p> <p>a) Ph.D. in Physics (Synthesis and self-assembly of colloidal nanoparticles, Photonic Band Gap (PBG) calculations, Raman spectroscopy and related topics only)</p> <p>b) Knowledge in Photonic crystals (PCs), Surface Enhanced Raman Spectroscopy (SERS) and synthesis of colloidal Nanoparticles</p> <p>c) Experience in calculating PBG calculations using software such as MIT-Photonic Bands, COMSOL Multiphysics, analysis of SERS data, fabrication of Photonic crystals through self-assembly route</p> <p>Desirable:</p> <p>a) Minimum 3 first author publications/ patents</p> <p>b) Experience/Knowledge in handling laser-based instruments (e.g. Raman Spectrometer, Confocal microscope, Light scattering spectrometer)</p> <p>Job Requirement: Numerical simulations of photonic band structure, fabrication of photonic crystals, and investigation of fabricated structures for sensing applications using the SERS technique.</p> <p>Age Limit: below 35 years as on 24th March, 2022</p>

Stipend/Remuneration*:

Research Associate I	Rs. 47000/- + HRA
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Tenure of the post: Position is initially up to 09February, 2023 (possibility of extension by some more months exists). Interested and qualified candidates with good academic records are requested to send their applications along with detailed Curriculum Vitae by e-mail (with subject Application for the post for RA at SOP, UOH, March. 2022), by e-mail to: bvrtata@uohyd.ac.in on or before **09/04/2022**. Send hard copy of your application by speed post to Prof. B V R Tata, School of Physics, University of Hyderabad, Gachibowli, Hyderabad-500046. The short-listed candidates will be informed to attend an interview at SOP, University of Hyderabad on **13/04/2022**.

NB: (1) **The appointment will not carry any weightage or claim or whatsoever for a permanent absorption** in the university and without any liability on the part of the university. (2) **No TA / DA will be paid** for attending the interview.

Prof. B. V. R. Tata & Prof. Soma Venugopal Rao