

RECRUITMENT FOR PROJECT

Applications are invited from Indian citizens for filling up the following temporary position for the sponsored project undertaken in the department of chemistry of this Institute. The position is temporary for 1 Year. Further extension will depend on the candidate's performance and budget availability. Candidates are also encouraged to apply for postdoctoral fellowships under various schemes of Govt. of India. Candidates may apply directly to Dr. Saumyakanti Khatua, via email at khatuask@iitgn.ac.in before **March 4, 2015** for the scheduled interview date of **March 10, 2015**.

Project Code, Project Title & Funding Agency

1. RES/SERB/CH/P0203/1516/0015: "Enhanced single-molecule spectroscopy with tuned dipole antennas of end-to-end dimers of gold nanorods" (Department of Science & Technology).

Position & Salary

Research associate (RA) (1 post) with salary and benefits are as per with SERB guidelines.

Qualification

Candidates must have PhD in chemistry/physics/electrical engineering and other related discipline from a reputed institute with at least one first author paper published in peer-reviewed international journal.

Additional preferred qualifications:

1. Candidates with expertise in optics and microscopy.
2. Strong background in plasmonics/nanophotonics.
3. Good programming background (MATLAB, C/C++, python etc). Experience in LabVIEW programming will be very useful.
4. Experience in fabrication (lithography) and synthesis of metal nanoparticles and their assemblies.

Job Profile:

1. The candidate will be involved in preparation and optical studies on nanorod dimer antennas.
2. The candidate will also be involved in building and/or maintaining an optical microscopy set up.