

RAMAN RESEARCH INSTITUTE
BANGALORE 560080
Advt. No. 5

The Raman Research Institute, funded by the Government of India, is a premier institute engaged in research in basic sciences. More information about the Institute, the fields of research, and other details can be viewed at its website www.rri.res.in.

Applications are invited for TWO POSTS of RESEARCH ASSISTANTS for the PROJECT **Designing and characterization of smart, stimuli responsive materials using colloidal particles and biopolymers**. The appointment is on a temporary basis. The candidates will be associated with the **Soft and Adaptive Materials Lab** in **Soft Condensed Matter** Group of the Institute for a period of one year, with a possible extension by another year. The candidate should be motivated and should have working experience in experimental work. The details of the required qualifications and experience are given below:

Job Description:

To assist in the experimental work involving:

- (a) Large scale synthesis and characterization of monodisperse colloidal particles over wide range of sizes, shapes and surface properties.
- (b) Synthesis, handling and fluorescent labelling of biopolymer (e.g. collagen) networks and characterization using fluorescence/confocal microscopy.

Remuneration: A consolidated remuneration of Rs. 23,500/- per month + HRA (24% of consolidated remuneration) will be paid to the selected candidates for a period of one/two years.

Essential Qualification:

M.Sc. (Physics / Biophysics / Biochemistry) or M.E./ M. Tech (Material Science / Chemical Engineering / Polymer Physics)

Desirable:

The candidate should be motivated and should have a flair for experimental work.

The candidate should have working experience in one or more of the following:

- (a) Large scale synthesis and characterization of colloidal particles.
- (b) Handling and fluorescent labelling of bio-polymer networks like actin and collagen.
- (c) Bright Field, Fluorescence and Confocal microscopy.
- (d) Basic instrumentation.
- (e) Basic image processing and programming.

Upper Age Limit: The upper as limit is 35 years, as on the last date for closing of applications.

The last date for receipt of applications is 14 March 2021. Applications received after the last date will not be considered.

General Information:

- (i) Age relaxation will be applicable as per Govt., of India rules for the candidates belonging to SC/ST/OBC/PWD categories.
- (ii) The institute reserves the right to restrict the number of candidates for test/ interview to a reasonable limit, on the basis of relevant qualification and experience higher than the minimum prescribed in the advertisement.
- (iii) Candidate should be self-driven, motivated and have leadership skills to manage the personnel working with him.
- (iv) Mere fulfilling the essential and desired qualifications will not entitle an applicant to be called for interview.
- (v) The institute reserves the right to relax any or all of the above requirements in exceptional cases.
- (vi) The Institute reserves the right, not to fill the post herein advertised.
- (vii) Canvassing in any form shall disqualify the candidate.

How to apply:

Applications are to be sent in a sealed cover super-scribing the post on the envelope to the **SECRETARY, SOFT CONDENSED MATTER GROUP, RAMAN RESEARCH INSTITUTE, C. V. RAMAN AVENUE, SADASHIVANAGAR, BANGALORE 560080** OR by email to amudha@rri.res.in with advertisement number in the subject line.

Application format: (1) Advt. No. (2) Name of the applicant; (3) Date of Birth; (4) Nationality; (5) Whether belonging to SC/ST/OBC; (6) Permanent Address; (7) Address for correspondence (*please provide your mobile number and email-id*); (8) Qualifications starting from SSC/X Std. upwards (please attach copies of certificates and marks cards); (9) Experience with details of organization, post held, duration of service, and emoluments drawn (attach certificates), (10) References of individuals who are familiar with you and your work, whom the Institute could contact for referral letters; and (11) Brief – not more than a page typed in double line spacing – as to what motivates you to apply for the above post.