

Indian Institute of Science Bangalore 560 012

Advt. No. DAE/172

Date: 18 January 2013

Invites applications for a Research Associate (1 no.), Senior Research Fellow (1 no.) and Junior Research Fellow (1 no.) in a DAE sponsored project.

- Title of project** : Dynamical approach in instabilities in plastic deformation: Radiation induced effects, shearing of precipitates and other plastic instabilities.
- Tenure of the project** : 9 October 2015.
- Essential qualification** : JRF – M.Sc. in Physics(I Class)
SRF – M.Sc. in Theoretical Physics/Theoretical Material
RA – Ph.D. in Theoretical Physics/Material Science.
- Desirable qualification** : JRF – Aptitude for theoretical research and knowledge in computer programming is essential.
SRF – Aptitude for Theoretical Physics/Material Science.
Knowledge in nonlinear dynamics, computer modeling, abilities to write codes for solving stiff differential equations in C or Fortran and using MATLAB
RA – Knowledge in nonlinear dynamics and modeling abilities to write codes for solving nonlinear partial differential equations in C or Fortran and use of MATLAB
- Job description** : JRF – Assist in writing codes for dynamical studies of the model.
SRF – To model serrated stress–strain curves observed during plastic deformation.
RA – To model serrated stress–strain curves observed during plastic instabilities and discharge any other duties assigned from time to time.
- Emoluments** : JRF – Rs 16,000 p.m. (fixed) + 30% HRA;
SRF – Rs 18,000 p.m. (fixed) + 30% HRA;
RA – Rs 22,000 p.m. (fixed) + 30% HRA.

Candidates those who have submitted thesis for the award of Ph.D. degree can also apply. They will be considered for the position of RA (Provisional) at Rs 20,000 p.m. + 30% HRA.

Candidates should send their applications on plain paper furnishing the bio-data, copies of certificates in support of age, qualification, experience, etc., to **Prof. G. Ananthakrishna**, Materials Research Centre, Indian Institute of Science, Bangalore 560 012, within **15 days** from the date of publication of this issue in *Current Science*.

Registrar



Nominations Invited for Shanti Swarup Bhatnagar Prizes for Science and Technology – 2013

The Council of Scientific and Industrial Research (CSIR) invites nominations for the Shanti Swarup Bhatnagar (SSB) Prizes in Science and Technology for the year 2013. The SSB Prizes are to be given for research contributions made primarily in India during the past five years. The age of the nominee for the 2013 SSB Prize should not be more than 45 years as on 31 December 2012.

The SSB Prizes are awarded for notable and outstanding research, applied or fundamental, in the following disciplines: (1) Biological Sciences; (2) Chemical Sciences; (3) Earth, Atmosphere, Ocean and Planetary Sciences; (4) Engineering Sciences; (5) Mathematical Sciences; (6) Medical Sciences and (7) Physical Sciences. The SSB Prize carries with it a citation, a cash award of Rs 500,000 (Rupees five lakh) only and a plaque for each scientist selected for the Award.

Nominations addressed to **The Scientist Incharge** – SSB/YSA Unit, Human Resource Development Group, CSIR Complex, Library Avenue, Pusa, New Delhi 110 012 should be sent as per the prescribed proforma (original + 14 copies) along with one set of reprints of significant publications of the last 5 years' period on or before **31 March 2013**.

The details of the SSB Prize and the prescribed proforma for nomination may be obtained from the above address or may also be downloaded from the website: <http://csirhrdg.res.in>