NOTICE

Sub: Ph.D. Programme in New Areas

S. N. Bose National Centre is an autonomous institution funded by DST. It is committed to research and teaching in different frontier areas of basic sciences. Recently the Centre has embarked on new areas of research and teaching including initiation of extensive experimental activities and would like to expand these activities in the coming years.

The new areas of research are focused on:

A. Nano Science and Technology
   3. Mesoscopic phenomena.
   4. Electronic status and modelling.
   5. Nanolithography.

B. Theoretical Chemistry and Chemical Physics
   1. Density functional theory, quantum fluid dynamics and their applications.
   2. Atoms/molecules under intense/super-intense laser fields.
   3. Atoms/molecules under strong magnetic fields.
   4. Quantum chaos.
   5. Computational quantum chemistry (novel molecules, nanoclusters, biomolecules, drug–DNA interaction modelling, etc.)
   6. Theoretical spectroscopy and relaxation phenomena.
   7. Simulation studies and non-equilibrium thermodynamics.

Applications are invited from CSIR-UGC NET (with fellowship) and NET(LS) qualified candidates for Ph.D. research. Candidates with M.Sc. in Chemistry/Physics may apply on plain paper with full biodata including photocopies of mark sheets and NET qualification certificate to:

The Academic Programme Coordinator
S.N. Bose National Centre for Basic Sciences
Block JD, Sector III, Salt Lake, Kolkata 700 098
http://www.bose.res.in

The short-listed candidates will be called for an interview at the Centre. The final selection will be made based on the interview. Candidates are also selected through JEST.