

HOMI BHABHA CENTRE FOR SCIENCE EDUCATION

TATA INSTITUTE OF FUNDAMENTAL RESEARCH
V.N. PURAV MARG, MANKHURD, MUMBAI 400 088

Visiting Fellowships at HBCSE

Advertisement No. 3/99

HBCSE is a National Centre of TIFR devoted to science and mathematics education from primary up to introductory college level. The Centre is looking for highly competent and committed scientists and communicators to contribute to its programmes in the areas described below:

➤ **Olympiad Programme**

HBCSE is India's nodal centre for the physics, chemistry and biology olympiads. It is also involved in the mathematical olympiad activity. We need Ph.D.s in mathematics, physics, chemistry and biology, having a strong problem-solving ability in their disciplines. They would develop challenging theoretical problems and olympiad-level experiments and train meritorious students at senior secondary levels for the international olympiads.

➤ **Curriculum Development**

HBCSE is developing model alternative curricula for school science, mathematics and social studies. The primary school level curricular development is underway while middle and secondary school levels are to be taken up. We are looking for Ph.D.s in the natural and social sciences and mathematics, with originality and insight into their subject and a flair for writing and design. We would welcome persons with literary and visual communication talents in addition to a good subject background.

➤ **Science Popularization**

HBCSE is producing activity and exhibition modules in several areas, including history of science, low cost experimentation, science-technology-society issues, gender issues, health education and astronomy. We need Ph.D.s in the natural and social sciences with expertise in these areas and an ability to present science in interesting and innovative ways. Literary, artistic and visual communication ability would be an added advantage.

➤ **Research in Science and Mathematics Education**

All of the above areas are informed by research into cognitive, sociological, historical and philosophical issues in science and mathematics education. We are looking for eclectic intellectuals with Ph.D. in the natural and social sciences and mathematics who would take up research programs in these interdisciplinary areas.

Besides the above R&D areas, the Centre organizes orientation programmes for teachers/students/teacher educators. Scientists of the Centre are expected to contribute to these training programmes.

The preferred age is below 35 years, relaxable for deserving candidates.

Please apply on plain paper enclosing your biodata (including age, details of qualifications and relevant experience), a one-page statement of purpose and names of two referees. Please also indicate your area of interest among those listed above.

Applications will be received and screened throughout the year and referees will be contacted for recommendations. Shortlisted candidates will be called for a seminar/interview at HBCSE.

Selected candidates will be offered Visiting Fellowship for one year, extendable by one more year subject to satisfactory performance. The Fellowship carries an honorarium of Rs 8000/- pm. At the end of the Fellowship outstanding candidates may be considered for absorption in the regular academic cadre of HBCSE.

Please address your application to Dr. Arvind Kumar, Centre Director, Homi Bhabha Centre for Science Education, TIFR, V. N. Purav Marg, Mankhurd, Mumbai 400 088. Tel Nos.: 5562132, 5567711, 5554712; e-mail: arvindk@hbcse.tifr.res.in