

**DEPARTMENT OF PHYSICS
UNIVERSITY OF MUMBAI**

**Ph. D. Fellowships
under**

**UNIVERSITY OF MUMBAI-BHABHA ATOMIC RESEARCH CENTER
(MU-BARC) COLLABORATIVE Ph.D. SCHEME IN PHYSICS
(Academic Year 2014 – 2015)**

Research facilities are offered in various frontier areas such as Molecular Electronics, Conducting polymers, Plasma assisted thin films, nuclear physics with accelerators; accelerator physics; condensed matter physics using neutrons, X-rays and lasers; theoretical physics; laser based atomic and molecular spectroscopy etc. at BARC under the collaborative scheme between Mumbai University and Bhabha Atomic Research Centre. BARC operates the 100 MW Dhruva reactor and 14 MV Pelletron accelerator for research in condensed matter and nuclear physics, respectively. Several laser-based equipments are available to carry out front-line spectroscopic work on gases, liquids and solids.

In additions, BARC has built and operates several state of the beamlines at 2.5GeV Indus-2 synchrotron for a variety of investigations on solids and liquids.

This research programme will lead to Ph.D. degree in Physics of Mumbai University and is open to only those candidates who have obtained M.Sc. Degree in Physics with 60% or more marks from University of Mumbai. Selection will be on the basis of an interview, which will be held on Thursday, September 25, 2014 from 10:30 a.m. onwards. The selected candidates will receive a stipend of Rs.16,000/- per month (JRF) which will be raised to Rs.18,000/- per month (SRF) if the performance during the first two years is found satisfactory. They will also receive a contingency grant of Rs. 20,000/- per annum.

Selected candidates are required to fulfill the criteria for Ph.D admissions as given by the rules of Mumbai University for registration towards their Ph.D. degree

The application forms can be downloaded from the Mumbai University website <http://mu.ac.in> The last date for submission of completed applications forms to the Head, Department of Physics is **September 23, 2014**.

Mumbai.
9th September, 2014.

(Professor Anuradha Mishra)
Head
Department of Physics

**UNIVERSITY OF MUMBAI
DEPARTMENT OF PHYSICS**

APPLICATION FORM FOR SELECTION UNDER THE (MU-BARC) SCHEME OF COLLABORATION BETWEEN THE UNIVERSITY OF MUMBAI AND THE BHABHA ATOMIC RESEARCH CENTRE LEADING TO Ph.D. DEGREE COURSE IN PHYSICS

Sir,

I submit herewith my application for the above and am giving the required particulars: -

1. Full Name (Beginning with Surname in BLOCK LETTERS) _____

2. Local Address: _____

3. Phone / Mobile Number _____

4. e mail; _____

5. Nationality : _____

6. Father's / Guardian's Name and Occupation _____

7. Gender: MALE / FEMALE

8. Have you applied for admission to any other course of this University or of any other University /Body? If so, give details _____

10. Name of the college last attended: _____

11. Particulars relating to the examinations passed by the applicant: -

Examination	Year of Passing	University/College	Class	No. of attempt
B.Sc.				
M.Sc.				

12.

Subject/s offered at the M.Sc. exam.	Marks obtained & Marks assigned	Percentage/Class

13. Work/research Experience (if any)

Name of Organisation	Designation	Year of Experience	Nature of Work

Date:
Place

Yours faithfully,
(Signature of candidate)

INSTRUCTIONS

1. Application must be completed in all respect and must be submitted to the Head, Department of Physics, University of Mumbai, Lokmanya Tilak Bhavan, Vidyanagari, Mumbai 400 098, on or before **September 23, 2014**.
2. Application must be accompanied by copies of relevant certificates in support of their claim - including the Statement of marks obtained by the applicant at the M. Sc. degree examination, certified by The Principal of constituent College/ The Head of the recognized Institution / A member of the Senate of this University or a Special Executive Magistrate.
3. Candidates will have to present themselves for the interview before the Committee for selection at their own cost.
4. Individual intimation will be sent to students selected for admission. A student who fails to avail himself of the admission will not be considered again for a seat.
5. No intimation will be sent to those who are not selected for admission.
6. The students selected under the scheme will be entitled to get the Junior Research Fellowship (JRF) of the sum of Rs.16,000/- per month offered by the Department of Atomic Energy which will be raised to Rs. 18,000/- per month if the performance during the first two years is found satisfactory. They will also receive a contingency grant of Rs. 20,000/- per annum.
7. Selected candidates are required to fulfill the criteria for Ph.D admissions as given by the rules of Mumbai University for registration towards their Ph.D. degree
8. Before registration the selected candidate has to take prior approval of his / her thesis title from R. R. Committee of the University.

Vidyanagari ,
Mumbai 400 098.

(Professor Anuradha Mishra)