



**मुं वि - प ऊ वि मौलिक विज्ञान प्रकर्ष केन्द्र**  
**UM-DAE Centre for Excellence in Basic Sciences**  
 An Aided Institute under the Department of Atomic Energy (DAE), Govt. of India

**Advt. No. 01/2025**

**Advertisement inviting applications for admission to the Ph.D. Programme at UM-DAE CEBS  
for the Academic Year 2025 - 2026**

University of Mumbai - Department of Atomic Energy Centre for Excellence in Basic Sciences (UM-DAE CEBS) is an aided institute of the Department of Atomic Energy (DAE), Govt. of India. Established in 2007, it is located on the Kalina campus of the University of Mumbai, Mumbai. It offers a 5-year residential integrated M.Sc. programme with a DAE Fellowship, as well as a multi-disciplinary Ph.D. programme for training students in addressing basic science and societally relevant research problems. With several state-of-the-art research facilities on its campus, a dynamic academic atmosphere, and strong research collaborations with the proximal premier research institutes, UM-DAE CEBS serves as one of the ideal destinations for those intending to pursue a research career in Basic and Applied Sciences.

UM-DAE CEBS invites applications from eligible Indian nationals for a **full-time** Ph.D. programme in the following Schools:

S. No.	Schools	Qualifications
01	School of Physical Sciences	M.Sc. in Physics (background in Nuclear Physics, Mathematical Physics, Plasma Physics, Condensed Matter Physics or Computational Physics is desirable)
02	School of Chemical Sciences	M.Sc. in Chemistry (General, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Biochemistry or Material Chemistry is desirable)
03	School of Mathematical Sciences	M.Sc. in Mathematics (background in Algebra, Topology and Analysis is desirable)
04	School of Biological Sciences	M.Sc. in Biology (Life Sciences, Microbiology, Botany, Zoology, Biotechnology, Molecular Biology, Biochemistry and Biophysics is desirable)

**Essential Requirements:**

(1) M.Sc. in the relevant subject area with at least 55% marks in aggregate or its equivalent grade 'B' on the UGC 7-point scale (or an equivalent grade in the point scale, wherever the grading system has been followed) or an equivalent degree from a foreign educational institution. A relaxation of 5% of marks or an equivalent relaxation of grade will be allowed for the applicants belonging to SC, ST and Divyangjan categories.

(2) Age: A maximum of 28 years as on August 1, 2025. The age limit will be relaxed by 3 years for the OBC-NCL candidates, by 5 years for the SC/ST candidates, and by 10 years for the Divyangjan candidates. (Note: SSC / matriculation certificate or birth certificate will be accepted as proof of date of birth)

(3) Qualification in UGC-CSIR-NET (JRF or LS) / SLET / GATE / NBHM / JEST / DBT-BET / DST-INSPIRE or PET conducted by the University of Mumbai / Teachers' Fellowship examinations is an essential eligibility criterion. Selected candidates will be eligible for a DAE Fellowship or may activate their own fellowship from DBT, DST (INSPIRE), UGC/CSIR/NBHM, etc.

**Fellowships:** The candidates joining the Ph.D. programme will receive Junior Research Fellowship (JRF) instituted by UM-DAE CEBS, or alternatively they can activate their own fellowship (from DBT, DST etc.). The CEBS fellowship has emoluments of Rs. 37,000/- per month and HRA @30% as applicable for the first two years and upgradation to Senior Research Fellowship (SRF) from the third year onwards with a stipend of ₹42,000/- per month plus HRA @30% as applicable, subject to terms and conditions laid down by DAE from time to time. Selected candidates are also entitled for contingency grant of ₹60,000/- per year.

**Reservation Policy:** UM-DAE CEBS follows the reservation policy of the Government of India.

**Number of Seats:** The number of seats allotted to this Ph.D. programme will be governed by CEBS following the norms laid down by DAE.

**Mode of selection:** Selection will be made based on the merit list prepared after a written test and /or an interview conducted by each School of UM-DAE CEBS. The recommendation/decision of the Selection Committee will be final and binding.

**Duration:** 5 years, including UGC-prescribed coursework as mandated from time to time.

**Accommodation:** A very limited shared accommodation (3 female and 3 male candidates) for the 1<sup>st</sup> year is available on the UM-DAE CEBS campus for candidates whose hometown lies outside the Mumbai Metropolitan Region, and it will be allotted strictly based on merit.

**Degree:** Candidates will be awarded the degree of Doctor of Philosophy (Ph.D.) in Basic Sciences (with specialization in Biology, Chemistry, Mathematics or Physics) by the University of Mumbai after successful completion of the program.

**Rules and Regulations:** Candidates enrolled in the Ph.D. program will be bound by the rules and regulations of the Ph.D. program of UM-DAE CEBS.

**For the application form and other details, visit**

**<https://www.cbs.ac.in/Academics/ph-d-programme>**

The application is to be submitted in an **online mode only**.

**The last date for submission of the application form is 30<sup>th</sup> June 2025**

**Registrar:** UM-DAE Centre for Excellence in Basic Sciences, Nalanda bldg., University of Mumbai, Kalina Campus, Vidyanagari, Santacruz (East), Mumbai - 400 098