

**UNIVERSITY OF MUMBAI - DEPARTMENT OF ATOMIC ENERGY  
CENTRE FOR EXCELLENCE IN BASIC SCIENCES**

Nalanda, University of Mumbai, Kalina Campus, Vidyanagari P.O., Santacruz (E),  
Mumbai 400098

Website: [www.cbs.ac.in](http://www.cbs.ac.in)

**RECRUITMENT FOR THE POSITIONS OF “ASSISTANT PROFESSOR, READER,  
AND ASSOCIATE PROFESSOR”**

**Advt. No. CEBS/Faculty/01/2026 dated 01.06.2026**

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, located on the Kalina campus of the University of Mumbai, Mumbai. UM-DAE CEBS 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 nearby premier research institutes, UM-DAE CEBS is an ideal destination for those seeking to pursue a research career in Basic and Applied Sciences.

The Centre invites online applications from eligible Indian Nationals for the positions of **Assistant Professor, Reader, and Associate Professor**. Applicants should possess relevant work experience and an excellent academic record, including high-quality publications in reputed journals and relevant teaching experience.

<b>Post</b>	<b>Assistant Professor</b>
Number of posts	7
Scale of Pay	Academic Pay Level-12 (Entry pay Rs. 78,800-Rs. 2,09,200/-)
Qualification & Experience	Ph.D. in the relevant area in Biology/Chemistry/Mathematics/Physics with at least 60% marks or equivalent at the Master's degree in the respective subject, and at least 2 years post-Ph.D. research experience.
Desirable	Teaching experience
Age limit	Not more than 35 years as of July 15, 2026

<b>Post</b>	<b>Reader</b>
Number of posts	4
Scale of Pay	Academic Pay Level-13 (Entry pay Rs. 1,23,100-Rs. 2,15,900/-)
Qualification & Experience	Ph.D. in the relevant area in Biology/Chemistry/Mathematics/Physics with at least 60% marks or equivalent at the Master's degree in the respective subject, and at least 5 years post-Ph.D. research experience.
Desirable	Teaching experience
Age limit	Not more than 38 years as of July 15, 2026

<b>Post</b>	<b>Associate Professor</b>
Number of posts	3
Scale of Pay	Academic Pay Level-13A (Entry pay Rs. 1,31,100-Rs. 2,16,600/-)

Qualification & Experience	Ph.D. in the relevant area in Biology/Chemistry/Physics with at least 60% marks or equivalent at the Master's degree in the respective subject, and at least 10 years post-Ph.D. research experience.
Desirable	Teaching experience
Age limit	Not more than 43 years as of July 15, 2026

## PRIORITY RESEARCH AREAS

### School of Biological Sciences (Number of Posts: 4; Assistant Professors-2, Reader-1, Associate Professor -1)

#### **Post code B01: Microbiology (Experimental) – (1 Assistant Professor)**

*Research areas:* Conduct fundamental and applied research on microorganisms, investigating their physiology, genetics, evolution, and ecology.

*Teaching:* Should be able to teach courses such as Microbiology, Genetics, Ecology and Evolution

#### **Post code B02: Immunology / Neurobiology (Experimental) - (1 Assistant Professor)**

*Research areas:* Conduct fundamental and translational research on the immune/nervous system, encompassing their development, function, and interactions, to advance the prevention, diagnosis, and treatment of diseases affecting human neurological or immunological functions.

*Teaching:* Should be able to teach courses such as Immunology/Neurobiology, Developmental Biology, and Animal Physiology

#### **Post code B03: Computational Biology / Bioinformatics (Theory) - (1 Reader)**

*Research areas:* Development and application of computational, statistical, and mathematical approaches to analyze, model, and interpret complex biological data. Design and implement novel algorithms, software, and databases for efficient data processing, visualization, and interpretation.

*Teaching:* Should be able to teach courses such as Bioinformatics, Biostatistics, and Computational Biology

#### **Post code B04: Applied Biology / Disease Biology (Experimental) - (1 Associate Professor)**

*Research areas:* Advanced understanding of disease biology to prevent, detect, and control diseases affecting human or plant health using molecular biotechnology approaches. Environmental & Ecological Applications, Synthetic biology & metabolic engineering

*Teaching:* Should be able to teach courses such as Biotechnology and Molecular Biology

### School of Chemical Sciences (Number of Posts: 3; Assistant Professor-1, Reader-1, Associate Professor-1)

#### **Post Code C01: Ultrafast Photochemistry (Experimental) - (1 Reader)**

*Research areas:* Ultrafast photo-dynamics of Organic/Inorganic materials

*Teaching:* Should be able to teach courses such as Basic Physical Chemistry, Chemical Kinetics, Spectroscopy, Photochemistry, etc.

#### **Post Code C02: Physical Chemistry (Theoretical) - (1 Associate Professor)**

*Research areas:* Quantum Chemistry / Computer Simulations, etc.

*Teaching:* Should be able to teach courses such as Quantum Chemistry, Thermodynamics, Computational Chemistry, Mathematics for Chemists, etc.

**Post Code C03: Organic / Inorganic Chemistry (Experimental) (1 Assistant Professor)**

*Research areas:* Natural Product Synthesis / Asymmetric Synthesis / Main Group Chemistry / Organometallic Chemistry/ Materials Chemistry.

*Teaching:* Should be able to teach courses such as Heterocyclic Chemistry, Natural Products Synthesis, Stereochemistry / Organometallic Chemistry and other Inorganic Chemistry courses at different levels.

**School of Mathematical Sciences (Number of Posts: 4; Reader-2, Assistant Professor-2)**

**Post Code M01: Algebra / Number Theory and Lie Theory - (2 Readers)**

*Research areas:* Algebra, Algebraic Geometry, Representation Theory, and Applications - related themes

OR

Number Theory, Lie Theory and related themes

*Teaching:* Should be able to teach courses such as Algebra at all levels, and advanced courses in some related areas.

OR

Number Theory and basic courses in Algebra and Analysis / Algebra and Cryptography.

**Post Code M02: Analysis / Discrete Mathematics and Probability Theory - (2 Assistant Professors)**

*Research areas:* Analysis, Differential Geometry, Differential Equations, and related themes

OR

Discrete Mathematics, Probability Theory, and related themes

*Teaching:* Should be able to teach courses such as Analysis at the basic level, Measure Theory, and advanced courses in some related areas

OR

Probability Theory, and basic courses in Algebra, Discrete Mathematics and Graph Theory, and some suitable applied areas.

**School of Physical Sciences (Number of Posts: 3; Assistant Professor-2, Associate Professor-1)**

**Post Code P01: Theoretical Physics – (1 Associate Professor)**

*Research areas:* High-Energy Physics / Cosmology / Astrophysics

*Teaching:* Should be able to teach courses such as Classical Mechanics, Quantum Mechanics, Field Theory, Statistical Mechanics, Mathematical Physics, and Electrodynamics.

**Post Code P02: Quantum Condensed Matter Physics (Experimental) - (1 Assistant Professor)**

*Research areas:* Quantum Magnetism and Topological Phases / Quantum Phase Transition / 2-D Quantum Materials, etc.

*Teaching:* Should be able to teach courses such as Classical Mechanics, Electrodynamics, Quantum Mechanics, Condensed Matter Physics, and Statistical

Mechanics.

**Post Code P03: Photonics (Experimental) - (1 Assistant Professor)**

*Research areas:* Plasmonics / Metamaterials / Nanophotonics / Quantum Optics & Optospintronics / Semiconductor Photonics, etc.

*Teaching:* Should be able to teach courses such as Atomic & Molecular Physics, Classical mechanics, Electrodynamics, Quantum Mechanics and Optics.

**GENERAL INFORMATION / DETAILS ABOUT POSTS**

1. The probation period will be one year from the date of joining for all these posts. Subject to the provisions of the rules and bye-laws in force from time to time, all these appointments to the academic posts under UM-DAE CEBS, shall ordinarily be made for a period of 5 years (including the probation period of one year) in the first instance, after which the appointee, if confirmed upon a review shall continue to hold office till the last day of the month in which he/she attains the age of superannuation which shall be 62 years; provided that the Governing Council of UM-DAE CEBS may extend the service of the employee up to the age of 65 years.
2. Pay scales for the posts are as per the 7<sup>th</sup> CPC academic scale applicable to UM-DAE CEBS.
3. Allowances like Dearness, House Rent, Transport, Children's Education, Pension scheme and Leave Travel Concession (LTC) are as admissible for Central Government employees.
4. Faculty members are eligible for a contributory medical health scheme (CHSS) as per DAE norms.
5. The applicant needs to submit self-attested photocopies of valid degree certificates. The qualifications prescribed should have been obtained from recognized Universities/Institutions and must be independently verifiable. In case Universities/Board award letter grades/CGPA/OGPA, the same will have to be indicated as equivalent percentage of marks as per the norms adopted by the University/Board. The candidates will have to submit the norms of the University/Board for conversion of grades/CGPA/OGPA to equivalent percentage of marks.
6. **For persons employed in Government, Semi-Government Organizations or Institutions, an NOC from the competent authority is mandatory at the time of interview.**
7. The candidates should furnish full details of their qualifications, experience, and publications. Documentary evidence submitted will be verified during the selection process.
8. The applicant should arrange for three reference letters, preferably from Ph.D. supervisor, Postdoc Supervisor, and a subject expert. Reference letters should be sent directly by the referees to [facultyrecruitment@cbs.ac.in](mailto:facultyrecruitment@cbs.ac.in), with the candidate's name and post code in the subject line. Additionally, UM-DAE CEBS may request independent referee reports for the candidate.
9. The prescribed essential qualifications and experience indicated are only prerequisites, and mere fulfilment of the same will not entitle candidates to be called for the interview. UM-DAE CEBS will shortlist candidates for job talk/interview based on their record of peer-reviewed scientific publications, the quality of the research proposal, relevant experience, and letters of recommendation. UM-DAE CEBS reserves the right to decide the criteria for shortlisting.
10. UM-DAE CEBS reserves the right to revise or modify any conditions of the advertisement by issuing a suitable Amendment or Corrigendum on its website. Candidates are advised to check the UM-DAE CEBS website regularly for any updates.

11. Application incomplete in any respect will be summarily rejected.
12. Communications with candidates during the recruitment process will be sent via email, as provided by the candidate in their application. Candidates should regularly check their registered email, including the SPAM folder.
13. UM-DAE CEBS reserves the right to cancel the entire Advertisement / Selection process at any time without assigning any reason.
14. Shortlisted candidates will be called for an in-person job talk. The video-conference option can be provided only to candidates not stationed in India who cannot attend in-person. Based on performance during the job talk, a limited number of candidates will be invited to the final selection interview.
15. For each post code, a separate merit list will be created by the selection committee.
16. UM-DAE CEBS reserves the right to fill or not to fill positions against any of the posts.
17. Canvassing in any form and/or attempting to bring any direct or indirect influence, political or otherwise, will lead to the disqualification of the candidature.
18. Any dispute regarding the recruitment process will be subject to the jurisdiction of the Courts/Tribunals in Mumbai.
19. A candidate, if eligible, may apply for more than one post in a given School.
20. No interim enquiries/correspondence/communication from the applicant or her/his representative of any sort will be entertained on the matter.

### **HOW TO APPLY:**

**Applicants are requested to visit <http://www.cbs.ac.in> for further details before applying.**

### **DOCUMENTS REQUIRED at the time of application**

- i. Identity Proof (Aadhar Card / Election Card / PAN Card / Passport / Driving License)
- ii. Date of birth/Proof of Age (Birth Certificate / Aadhar Card / Passport / School Leaving Certificate)
- iii. Educational Qualifications (Mark sheets and certificates starting from MSc, clearly indicating the subject)
- iv. In case Universities/Institutes award letter grades/CGPA/OGPA, the same will have to be indicated as equivalent percentage of marks as per the norms adopted by the University/Institute. The candidates should submit the norms of the University/Institute for conversion of grades/CGPA/OGPA to equivalent percentage of marks (for example, the backside of the original marksheet/transcript)
- v. Detailed Curriculum Vitae with complete publication list
- vi. Referees' names and contact details: Candidates should arrange to send **three** confidential, signed letters of recommendation to [facultyrecruitment@cbs.ac.in](mailto:facultyrecruitment@cbs.ac.in) with the subject line: Recommendation Letter for “candidate’s first and last name”, “post code”, E.g., Recommendation Letter for Rajesh Mishra, B03. These should preferably be from:
  - i) One from the Ph.D. Supervisor
  - ii) One from Postdoc Supervisor
  - iii) One from an external subject expert
- vii. Research Proposal
- viii. Teaching proposal

### **Steps for applying:**

- i) Fill the application form – Template can be downloaded at <https://www.cbs.ac.in/announcements/recruitment>
- ii) Fill the data form: <https://forms.gle/BW9EjubEzxA2fYAG7> (You will have to upload the filled application form (as in (i) above) along with the list of enclosures **as a single pdf file of not more than 10 MB**)
- iii) Mail the original, signed hard copy (of (i) above) with the list of enclosures to:

**Dean (Academic Affairs)**

Nalanda Building

UM-DAE Centre for Excellence in Basic Sciences,

University of Mumbai, Vidyanagari Campus,

Santacruz (East), Mumbai 400098, INDIA

**IMPORTANT NOTE:**

1. Applications, in the prescribed format, should be uploaded in the data form (<https://forms.gle/BW9EjubEzxA2fYAG7>), together with copies of the supporting documents, on or before **July 15, 2026**. Hard copies should also reach on or before **July 15, 2026** at the address given above.
2. Applications submitted through any mode or any other format other than mentioned above shall be rejected.
3. Applicants should ensure that their Ph.D. is in the area relevant to the particular School/ discipline against which they are applying. Non-compliance with this condition may result in the rejection of the application without any further notice.
4. Please note that UM-DAE CEBS will not be responsible for any loss or delay in mail.
5. As part of the selection process, a Screening Committee will compile a shortlist of candidates, and the candidates will be called for an in-person job talk before the Selection Committee. The video-conference option can be provided only to candidates not stationed in India who cannot attend in-person.
6. Based on performance during the job talk, a limited number of candidates will be invited for a second round of in-person interview before the Final Selection Committee. The video-conference option can be provided only to candidates not stationed in India who cannot attend in-person. Candidates will be paid a maximum 2-tier AC train fare (or its equivalent for other modes of transport) via the shortest route from their place of residence in India to Mumbai and return. No DA or local travel will be covered.
7. A candidate will be considered only for the post(s) he/she has applied for.
8. Selection will be based on the School- and research area-wise (postcode-wise) merit lists for all advertised sub-disciplines. Only one merit list per School will be listed.
9. If a suitable candidate is not found for any of the areas listed, the Selection Committee is empowered to keep the post vacant.
10. If a vacancy in a given research area is not filled, the Committee reserves the right to fill it in another research area.
11. For any queries, send an email to [facultyrecruitment@cbs.ac.in](mailto:facultyrecruitment@cbs.ac.in)

**Dean (Academic Affairs)**

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University of Mumbai, Vidyanagari Campus,

Santacruz (East), Mumbai 400098, INDIA

Email: dean.academic@cbs.ac.in