



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

UM-DAE CEBS/Advt. No. 02/ of 2026

January 19, 2026

## **Advertisement for the post of Research Associates (RAs) in UM-DAE Centre for Excellence in Basic Sciences**

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 situated 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 seeking a research career in Basic and Applied Sciences.

**UM-DAE CEBS invites applications from eligible candidates for the positions of PDF/RA (RA I or RA II) for the Schools of Biological, Chemical and Physical Sciences.**

### **School of Biological Sciences**

**Research Area:** Investigation of multiprotein complexes in cilia and biotic stress conditions.

**Essential Qualification:** Ph.D. in any branch of Biology with Biological Sciences/Life Sciences/Molecular Biology/Microbiology/Biotechnology/Applied Biology specialization. The candidate must have been awarded the Ph.D. degree or submitted Ph.D. thesis to a reputed university/organization. The candidate should have at least two publications in peer-reviewed research journals from the Ph.D. research (of which at least one should be as first author).

**Desirable Experience:** The candidate should have a good knowledge of modern biology and research experience in handling microbes and recombinant DNA techniques.

**No. of Post:** 02

### **School of Chemical Sciences**

**(1) Research area:** Excited state photo-dynamics of luminescent materials using spectroscopic techniques.

**Essential Qualifications:** Ph.D. in Chemistry. The candidate must have been awarded the Ph.D. degree or submitted Ph.D. thesis to a reputed university/organization. The candidate should have at least two publications in peer-reviewed research journals from the Ph.D. research (of which at least one should be as first author).

**Desirable experience:** Hands-on experience of ultrafast (femtosecond) spectroscopic techniques, time correlated single photon counter, etc. and analysis of related data.

**No. of Post:** 01

**(2) Research area:** Main Group Inorganic Chemistry/Organometallic Chemistry/Material Sciences

**Essential Qualifications:** Ph.D. in Chemistry. The candidate must have been awarded the Ph.D. degree or submitted Ph.D. thesis to a reputed university/organization. The candidate should have at least two publications in peer-reviewed research journals from the Ph.D. research (of which at least one should be as first author).

**Desirable experience:** Hands-on experience in synthesis and characterization. Study of synthesized organic/inorganics in material /biological applications.

**No. of Post:** 01

## School of Physical Sciences

**Research area:** Experimental magnetism

**Essential Qualification:** Ph.D. in Physics (experimental magnetism). The candidate must have been awarded the Ph.D. degree or submitted Ph.D. thesis to a reputed university/organization. The candidate should have at least two publications in peer-reviewed research journals from the Ph.D. research (of which at least one should be as first author).

**No. of Post:** 01

**Research area:** Experimental Condensed Matter Physics  
Organic Electronic Devices or superconductivity in thin films

**-OR-**

Chemical vapour deposition-grown semiconductor diamond and carbon materials for quantum applications

**Essential Qualification:** Ph.D. in Physics (experimental condensed matter /Materials Science / Device Physics). The candidate must have been awarded the Ph.D. degree or submitted Ph.D. thesis to a reputed university/organization. The candidate should have at least two publications in peer-reviewed research journals from the Ph.D. research (of which at least one should be as first author).

**No. of Post:** 01

**Notes:**

1. **Age Limit:** The applicants for RA I and RA II positions should, respectively, not be above 32 and 35 years of age, as on 31<sup>st</sup> December 2025.
2. The number of vacancies within a given research area of a School may vary, keeping the total at two per School.
3. **Tenure:** The appointments will be initially for a period of one year, extendable to a second and third year, subject to satisfactory performance and/or an early evaluation. The tenure can be a maximum of 3 years. The appointees will receive monthly emoluments and other benefits as per the prevailing DAE norms.
4. **Duties and Responsibilities:** Those appointed as PDF/RA are expected to contribute to the research activities of the Centre. They are also expected to teach at least one course per semester in the integrated Master's program.
5. **Emoluments:** The RA shall be paid a monthly fellowship as per the prevailing DAE's OM No. 10/1(21)/2014/Fellowship/R&D-II/14812 dated November 9, 2023 or as recommended by DAE from time to time. Other terms & conditions will also be as per the said DAE's OM.
6. Candidates who have submitted their thesis (PDF) and are yet to receive their degree, if selected, will be paid emoluments equivalent to a senior research fellow.

Level	Emoluments
PDF (for candidates who have submitted their PhD thesis)	Rs. 42,000/- p.m. plus HRA
RA-I	Rs. 58,000/- p.m. plus HRA
RA-II	Rs. 61,000/- p.m. plus HRA

Note: The level at which the RA will be placed will be decided by the interview committee based on the quality of Ph.D. thesis, research experience, and performance in the selection interview.

Applications, in the prescribed format (see below), should be sent, together with copies of the supporting documents, by email to the Dean ([dean.academic@cbs.ac.in](mailto:dean.academic@cbs.ac.in)) on or before February 10, 2026.

Please note that UM-DAE CEBS will not be responsible for any loss or delay in the mail. Towards the selection, a shortlist of the candidates will be made by a selection committee, and they will be invited to make a presentation before a committee in a hybrid mode. Candidates appearing in-person will be paid a maximum 3-tier AC train fare via the shortest route from the place of residence to Mumbai and return. No DA or local travel will be covered.

Dean  
UM-DAE Centre for Excellence in Basic Sciences  
Nalanda, University of Mumbai, Kalina Campus,  
Vidyanagari, Santacruz (East),  
Mumbai 400098  
Email: [dean.academic@cbs.ac.in](mailto:dean.academic@cbs.ac.in)

## JOB APPLICATION FORM

1. Advertisement Number & Sr. No. :

2. Application for the post of :

3. Name of the applicant :

4. Date and place of birth :

5. Age :

6. Nationality :

7. Marital Status :

8. Whether belongs to SC/ST/OBC community (if so, give details and attach copy of certificate) :

9. Religion :

10. Disability :  
(attach photocopy of certificate)

11. Permanent address :

12. Address for correspondence :  
with telephone/mobile  
number and e-mail address

13. Qualifications (beginning with SSC or equivalent. Attach photocopies of all certificates and mark lists of all semesters/years) :

Examination Degree/Diploma	University/ Institute	Subjects	Year of Passing	%of marks & Class/ Grade/distinction obtained

*Photograph*

14. Other qualification (if any) : \_\_\_\_\_

15. Details of projects done (if any) : \_\_\_\_\_

16. Details of publications (if any) : \_\_\_\_\_

17. Are you employed in a Govt./Semi-Govt./  
Public Sector Undertaking/Autonomous  
body? (If yes, you are required to forward  
your application through proper channel)

18. Are you under any contractual obligation to  
serve the Govt./Semi-Govt./Public Sector  
Undertaking/Autonomous body? If yes, give  
details.

19. Experience/Details of present and previous employment (attach photocopies of  
experience certificates):

Name of Employer	Designation of the post held	Period of Service		Salary
		From	To	

20. Names and addresses of two referees : 1)

2)

21. Have you at any time been called:  
for interview in the Centre?  
If so, give details:

*I hereby declare that the statements made in this application are true, complete and correct  
to the best of my knowledge and belief.*

Place: \_\_\_\_\_

Date:

(Signature of the candidate)

**NOTE:** Applications giving full details together with copies of relevant certificates/testimonials in the  
above format and superscribing the post applied for & Serial Number of the post on the envelope  
should reach **Dean, UM-DAE Centre for Excellence in Basic Sciences, Administrative office, Ground  
floor, Nalanda, University of Mumbai, Kalina-Campus, Vidyanagari, Santacruz (E), Mumbai-400098.**