

FULL TIME RESEARCH AND TEACHING ASSISTANT POSITION

IN MATERIALS SCIENCE

SCHOOL OF ECOLE POLYTECHNIQUE DE BRUXELLES

Reference : 2025/S119

Application deadline: 28/04/2025

Start date : 01/10/2025

Job Description

As a Teaching Assistant, you will be deeply involved in the activities of the 4MAT department at ULB. 50% of your time will be devoted to teaching (see courses below) and 50% to your own PhD research work. The teaching duty will mostly involve practical and lab sessions following the philosophy of learning by projects both at the Bachelor and Master's levels. In addition, you will also be involved in the supervision of Master's theses. The topic of your PhD thesis will be in line with the scientific expertise of the 4MAT department which can be found <https://4mat.polytech.ulb.be>. The topic will be discussed with the academic members of the department, so as to best suit your scientific interest and the know-how of the 4MAT department.

Candidates should have an engineering degree in Materials Science.

Skills required

You should be willing to be a cornerstone in the education of our students in the broad field of Materials Science and Chemistry, including energy transition.

Bilingual in French.

Certified B1 English level since you will be involved the Bruface Master's Programme. An international programme with our sister VUB university.

Results oriented with a will of a fundamental understanding of the relationship between elaboration parameters, properties and end-of-life managing of inorganic materials.

Courses covered

- CHIM-S-201: Industrial applications of chemistry BA2 Solvay 5 crédits
- CHIM-H-2001: Chimie-physique, matériaux, fabrica/on, BA2 10 crédits
- CHIM-H-316: Matériaux et chimie inorganique : mise en oeuvre et analyse BA3 Chemistry and Materials 10 crédits

- CHIM-H-412: Microstructural design and characterization of inorganic materials. Chemistry and Materials, BRUFACE 6 crédits
- CHIM-H-415: Ceramics, Chemistry and Materials, BRUFACE 4 crédits
- CHIM-H-416: Mechanics of materials, BRUFACE 3 crédits
- CHIM-H-419: Surface treatments: processing and analysis, Chemistry and Materials, BRUFACE, 4 crédits
- PROJ-H-413: Multifunctional materials (project), Chemistry and Materials, BRUFACE 5 crédits
- CHIM-H-504: Engineering aspects of circular economy (elective course), BRUFACE 5 crédits
- CHIM-H-522: Recycling of inorganic materials (elective course), BRUFACE 5 crédits
- CHIM-H-532: Forming of Metals, BRUFACE 4 crédits
- CHIM-H-533: Biocompatible and nanostructured materials (elective course), Chemistry and Materials, BRUFACE 5 crédits
- CHIM-H-534: Selection of Materials, elective course, BRUFACE 3 crédits
- ENVI-F-438: Circular economy, IGEAT, EBB 5 crédits
- HAAR-B-4055: Initiation aux techniques physico-chimiques de laboratoire 4 crédits

Interested ?

For more information, please contact Mr Prakash Venkatesan – E-mail: Prakash.Venkatesan@ulb.be.

Your application will consist of a Curriculum Vitae (*if you wish, a standard CV can be downloaded from the website: <https://www.ulb.be/fr/documents-officiels/emplois-academiques-et-scientifiques-cv-type>*) and a document completed using the template available at this URL address <https://www.ulb.be/fr/documents-officiels/4e-applic-form-assistant-docx>.

This template structures your application by including the following elements:

- an application letter
- a note on the applicant's PhD research project (4 pages)
- two letters of reference

Incomplete applications or applications that do not use the template provided will not be examined by the selection committee.

Where to go to apply?

Click here: <https://jobs.ulb.be/job-invite/1598/?isInternalUser=true>

For any connection problems or questions about our application, consult our FAQ : [e-recrut-mode-d-emploi-candidat-en- 1734942996246-pdf](#)

Equal opportunities policy

ULB's personnel management policy is geared towards diversity and equal opportunities.

We recruit candidates on the basis of their skills, irrespective of age, gender, sexual orientation, origin, nationality, beliefs, disability, etc.

Would you like to be provided with reasonable accommodation in the selection procedure because of a disability, disorder, or illness? Please contact Marie Botty, the person in charge of diversity aspects for the academic and scientific staff (marie.botty@ulb.be). Be assured of the confidentiality of this information.

More details on the ULB gender and diversity policy are available at <https://www.ulb.be/en/about-ulb/gender-equality-at-ulb>.

You will find all the regulations relating to research careers on our site at <http://www.ulb.ac.be/emploi/academique.html>.