

FULL-TIME RESEARCH AND TEACHING ASSISTANT POSITION

IN CHEMISTRY

BRUSSELS SCHOOL OF ENGINEERING

Reference : 2025/S124

Application deadline: 28/04/2025

Start date : 01/10/2025

Job Description

Teaching

1) Supervision (**in French**) of general chemistry exercises (72h) and laboratories (144h) sessions in 1st year of the bachelor's degree in engineering sciences, civil engineering orientation (course CHIM-H1001 Chimie générale et procédés durables); coordination of the teaching team, preparation and correction of written exams (exercises part), etc.

2) Supervision (**in French**) of exercises sessions (about 30h) of introduction to applied sciences in 1st year of the bachelor's degree in engineering sciences, civil engineering orientation (course TRAN-H100 Introduction aux sciences appliquées).

Research

Completion of a PhD thesis (in engineering sciences and technology, or in agronomic sciences and biological engineering) in one of the following topics:

- mathematical modeling of biological systems;
- optimization, control and state estimation of biological processes (cultures in bioreactors);
- analysis of biological networks.

Skills required

Required education level

Master's degree in chemical engineering or in biochemical engineering or in chemical sciences

Teaching

Very good knowledge of general chemistry concepts and their use for solving exercises and working in laboratories; pedagogical skills; team working.

Research

Good knowledge in mathematical modeling, systems dynamics and control engineering applied to biological systems; skills in computer programming (Matlab).

Courses covered

CHIM-H1001 Chimie générale et procédés durables

TRAN-H100 Introduction aux sciences appliquées

Interested ?

For more information, please contact Mr. Philippe BOGAERTS (telephone: +32 2 650.40.76 – E-mail: philippe.bogaerts@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/1589/?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

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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>.