

SUBJECT TO THE APPROVAL BY THE ACADEMIC BOARD OF MAY, 18<sup>th</sup> 2026

## FULL-TIME RESEARCH AND TEACHING ASSISTANT POSITION IN ENVIRONMENTAL, MECHANICAL, AND PROCESS ENGINEERING

SCHOOL OF ENGINEERING

Reference : 2026/S138

Application deadline: 26/05/2026 12:00 PM

Start date : 01/10/2026

### Job Description

The successful candidate will be involved in both teaching and research activities. The teaching duties will mainly consist of supervising exercise sessions for four courses within two Bachelor's programmes in Engineering Sciences, in the fields of environment, physics, and process engineering. The research activity will consist of a doctoral thesis in the field of physiological fluid dynamics.

Under the supervision of Professors F. Debaste, B. Haut, and P. Lambert, the successful candidate will contribute to advancing knowledge on various processes involving physiological fluids, such as the evaporation and drying of biological fluids, the mechanisms underlying their production or secretion, as well as their flow, transport, and deposition in physiological or biomedical contexts. To this end, the candidate will implement an approach combining experimental work and numerical simulations. The research will notably rely on techniques such as 3D printing, optical diagnostic methods, and Computational Fluid Dynamics (CFD), in order to gain a better understanding of the physical mechanisms underlying these complex phenomena.

### Skills required

Solid knowledge in analytical mechanics, physical chemistry and process engineering, autonomy, rigor, ability to work in a team, and **perfectly fluent in French.**

### Courses covered

Enjeux d'une ingénierie durable (ENVI-H-1000)

Physique quantique, physique statistique et chimie physique (PHYS-H-200) : partie « physique statistique et chimie-physique »

Mécanique rationnelle 2 (MECA-H-200)

Introduction au génie des procédés (CHIM-H-314)

### Interested ?

For more information, please contact Mr Benoit Haut (telephone: +32 2 650.29.18 – E-mail: [bhaut@ulb.ac.be](mailto:bhaut@ulb.ac.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/1981/?isInternalUser=true>

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

N.B.: SAP complies with European and U.S. regulations and, as a result, does not allow access to its application from the following countries/regions: Crimea, Sevastopol, the Donetsk People's Republic (DNR) / Luhansk People's Republic (LNR), areas not controlled by the Ukrainian government in the Kherson and Zaporizhzhia regions, Cuba, Iran, North Korea, Syria, Russia, and Belarus.

Therefore, candidates applying from these countries – and only from these countries – can submit their CV and application to this address: [rectrice@ulb.be](mailto:rectrice@ulb.be)

## 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](mailto: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>.