

An academic position in Bioprocess and Biorefining Engineering

Ecole/Institution/Société:

Uclouvain, Belgium / Ottignies-Louvain-la-Neuve

Discipline:

Chemical Engineering

Type d'emploi::

Full-time

Date de publication:

2021-10-06

Personne à contacter:

If you wish to apply for this position, please specify that you saw it on AKATECH.tech

Context

UCLouvain is a comprehensive university offering, in the context of the present position, the opportunity of cross-disciplinary research and teaching collaborations.

Within the Science and Technology Sector, the position is attached to the Faculty of bioscience engineering and to the Earth and Life Institute that offer opportunities for diverse and stimulating teaching as well as an environment to carry out ambitious research. The Louvain-la-Neuve site offers a unique living environment conveniently located at the heart of Europe.

Mission

Teaching

Teaching assignments will include the Bachelor, Master and Graduate levels in the bio-engineer curricula organized by the Faculty of Bioscience Engineering. The courses are taught in French or English. The candidates are expected to have a background in (bio)chemical engineering, bioprocessing or a related field of engineering and chemistry, with demonstrated credentials in research, scholarship, supervising students, writing proposals and publishing papers.of...

Research

Research area will be focused on sustainable processes for the biorefining and/or bioconversion of renewable feedstock, including cell cultures, to green chemicals, bio-based products and/or biofuels. It includes the design of best performing combinations of (micro)-biological, chemical and physical unit operations to reach technical, economic and environmental process efficiency. Possible topical areas include biorefining, (bio)-separation/extraction/recovery/purification technologies applied to bioresources, biotech-agro-food downstream processes, biological conversion processes, process integration for sustainable biochemical and green chemicals production, overall integration of technologies in manufacturing processes based on renewable feedstock, etc.

The successful candidate is expected to contribute, with a team of other professors, to the development of a Centre of excellence dedicated to engineering in eco-efficient processes for sustainable industrial chemical and biochemical technologies.

Function

- Be responsible for teaching courses at all study levels (*i.e.* undergraduate and postgraduate), as well as in programmes of continuing education;
- Supervise the final diploma research (*i.e.* theses) of undergraduate and graduate students, as well as PhD theses;
- Be involved in (and/or supervise, promote) research programmes;
- Be available to carry out, in the long term, different service activities and take on responsibilities within the University and its entities;
- Contribute to the international visibility of the University through teaching and research excellence;
- Contribute to activities of the University with a societal impact in the fields of the economy, socio-cultural changes or cooperation with developing countries.

General conditions

Required Qualifications : the applicant must have

- A PhD degree in Bioscience Engineering or any comparable discipline;
- Either studied abroad for an extensive period or have had substantial experience outside his or her university of origin;
- A significant scientific record with international publications;
- Experience in and the aptitude for teaching at university level, demonstrated if possible by formal assessments;
- The capacity to work within a team of teachers and to integrate research findings into teaching;
- Creativity and must be open to teaching innovation and interdisciplinarity;
- The capacities required to undertake high-level academic research: capacity to raise research funds, to supervise projects, to animate and lead a research team;
- Team management and communication skills, including if possible fluency in French and English, spoken and written. Otherwise, the applicant will be asked to acquire them within two years after taking office, in order to be able to communicate and teach in these languages. Knowledge of other languages is an additional asset.

Offer

The level of recruitment (appointment to the rank of lecturer or professor) will be discussed if a proposal is made to you, in connection with your previous academic experience. For more information, see: jobs.uclouvain.be.

Our HR policy supports equal opportunities and diversity including in the academic career. Attention is also paid to reconciliation of private life and professional life.

Further information :

Prof. Christine Dupont, Dean AGRO - doyen-agro@uclouvain.be

Prof. Marnik Vanclooster, President ELI - president-eli@uclouvain.be

Localization: Science and Technology Sector

Faculty of bioscience engineering (AGRO) (<https://uclouvain.be/en/faculties/AGRO>)

Earth and Life Institute (ELI) (<https://uclouvain.be/en/research-institutes/ELI>)

JOB DETAILS

Title: An academic position in Bioprocess and Biorefining Engineering (1 FTE)

Employer: Université catholique de Louvain

Job location: Place de l'Université 1, 1348 Louvain-La-Neuve

Job types: Professor, Lecturer / Senior Lecturer, Assistant / Associate Professor, Tenure Track

Fields: Chemical Engineering, Bioengineering, Environmental Engineering

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