CentraleSupélec

FACULTY RECRUITMENT PROFILE
Full Professor
(LGPM – CentraleSupélec)
Reference: PPRCDDCEBB202102

Title: Full Professor in processes for biotechnology

Position: Full Professor in processes for biotechnology, at the Chair of Biotechnology of CentraleSupélec, Campus of Pomacle / Process Engineering and Materials Laboratory – LGPM.

CNU Section: 62

Domain / Job profile: *Senior researcher with experience in academic research and/or industrial research in processes/bio-processes applied to the transformation of renewable resources.*

Keywords: Industrial experience, Chemical Engineering, Bio-Process Engineering, Microbiology, Physical Chemistry.

CentraleSupélec is a public scientific, cultural and professional institution (EPSCP in French) under the authority of the Ministry of Higher Education and Scientific Research and the Ministry of the Economy, Industry and Digital Technology. Its main missions are: the training of high-level scientific general engineers, research in engineering and systems sciences, and executive education.

The Process Engineering and Materials Laboratory - LGPM is a CentraleSupélec unit, which have a Chair of Biotechnology located at the Pomacle's Campus, nearby Reims, where the position is open. This group of 30+ is focused on the transformation and valorization of renewable ressources, namely lignocellulosics products, using processes and bio-processes. These activities are organized around 3 targeted themes: lignocellulosic biomass transformation, bioprocesses, downstream processes in close interaction with a transversal team on modelling and simulation.

Academic profile:

A teaching load of 48 hours ETD is associated with the position. This teaching load will enable i) the Biotechnology Chair to participate in CentraleSupélec's influence in the region (CentraleSupélec is one of the institutions associated with the URCA, University of Reims-Champagne-Ardenne) and ii) to integrate the Pomacle campus into CentraleSupélec's teaching missions, particularly at the interface between engineering sciences and biotechnologies. The teaching load will be balanced between lectures, tutorials, practical work and project supervision. It will be carried out mainly on the CentraleSupélec campuses of Pomacle and Metz, with occasional interventions on the Gif-sur-Yvette campus and at the URCA in Reims.
As some of these courses are taught in English, the ability to teach in English is expected.

Research profile:

His or her research activities will be integrated into one of the Chair's thematic areas (lignocellulosics, bioprocessing, separative techniques) or into the transversal modelling team. In his or her research area, he or she will have to define and implement a strategy that balances short/medium-term actions - in particular by consolidating partnerships with local industrialists - and a forward-looking vision, capable of developing academic niches of excellence for longer-term applications.
To do this, he or she will be able to benefit from the human, technical and financial resources of the Biotechnology Chair. In addition to the contractual resources to be developed, the Chair can also finance theses and post-doctorates from its own funds. The working environment is very conducive to collaborations, at the local level (the CEBB houses four complementary groups and is located at the heart of an innovative industrial ecosystem), at the national level (CentraleSupélec is an entry point to the Université Paris-Saclay and Reims is an entry point to the Grand-Est region) and at the cross-border

level (Belgium, Germany, Luxembourg and Switzerland). The CEBB is also very well served by scientific equipment, 2D and 3D imaging and lab-scale pilots.

Candidate profile:

- The candidate must hold a thesis in the field of process engineering, applied physico-chemical or biological processes;
- The candidate must be author or co-author of publications in international journals (the publication requirement will depend on the curriculum vitae and the number of years of experience);
- The candidate must have knowledge or at least a strong motivation in the other disciplinary fields and applications of the Chair;
- Good team leadership skills are expected;
- An experience in industrial or industry-oriented research would be a plus.

Recruitment interview:

For the candidates selected for the audition, the audition will take place in three stages:
- A presentation of the candidate's background and integration project;
- An illustration of a 5-minute lesson, given in English, on a problem, whose subject is identical for all candidates, will be specified on the invitation;
- An exchange with the members of the committee.
The duration of the three parts of the audition will be specified in the invitation letter.

Candidatures:

File in pdf format, including:

- A cover letter
- A detailed CV (teaching experience, research, mobility, publications, etc.)
- An integration project
- A copy of the identity card or passport
- A copy of the doctoral degree
- And any documents that attest previous experience

must be sent by email only to the two contacts below may,16 2021 midnight (Paris time) at the latest with the reference **PPRCDDCEBB202102**:

Lorraine Maret, human resources: lorraine.maret@centralesupelec.fr
Elodie Ledoux, human resources: elodie.ledoux@centralesupelec.fr

Scientific contacts:
Patrick Perré, director of the Chair of Biotechnology: patrick.perre@centralesupelec.fr

Ninel Kokanyan, teaching contact on the Campus of Metz : ninel.kokanyan@centralesupelec.fr