

Academic vacancy in the field of:

Management and modelling the quality of food products

Start state: 01/01/2021

Vacancy Reference: GxABT2021-1

Description of the workload:

A full-time, indivisible position in the field of management and modelling of the quality of food products, within *Gembloux Agro-Bio Tech*. This post includes teaching, research, and services to the Community.

The proposed post aims to teach and develop innovative integrated approaches to meet societal demands for food product quality and the expectations of companies for their implementation.

Teaching activities:

The teaching load will include, in the first year, a set of courses corresponding to around ten credits.

This course includes:

- Master's courses in bioengineering courses (mainly chemistry and bio-industries and agronomic sciences) in the fields of hygiene, health safety and industrial logistics in the food sector (more applied subjects in relation to research activities),
- and Bachelor's courses in engineering sciences with a focus on bio-engineering in the field of general chemistry (basic subject), a course in food and agriculture technology and quality management.

The chemistry course in the first year of the Bachelor's programme must be given in French, in the form of lectures to around 300 students.

Most of the courses will be taught collegially with other faculty members, particularly in the chemistry of food-biosystems branch, to which the position is attached.

The course load will gradually increase over the coming years, reaching a minimum of around 15 credits by 2023 at the latest.

The teaching load will also include supervision activities within the Masters programme (group projects, supervision of final dissertations, internships) and original initiatives taken by the candidate.

Research Activities:

The post holder will carry out research in the field of quality applied to food products and possibly other bio-based products. They will contribute to the development of systems to control the quality of all aspects of a food product. Predictive models of the evolution of product characteristics during storage should also be considered.

This person will contribute to the development of innovative integrated approaches to meet the demands of the food industry and society in general, taking into account the transformation of raw materials and the quality of finished products.

The candidate will have recognised expertise in bioengineering and food science and technology. They will also have to be able to integrate the digital transition into self-monitoring and control of the production line. The post holder will continue to explore new technological solutions that can be transposed to the food sector and will also be open to the wider transposition of these approaches to areas developing other bio-based products.

They will propose a personal research project enabling their expertise to be applied within GxABT, closely aligned with the partners from the research and teaching support units (CARE), in particular the FoodIsLife CARE.

Activities to serve the Community:

The candidate will be involved in services to the community provided by the Gembloux Agro-Bio Tech Faculty and the University of Liège and, beyond that, in services to society, in partnership with management.

Qualifications required:

- A first degree in agronomic engineering (or chemistry and bioindustries (or bioengineer) or a Master's degree and a doctoral research degree with experience in the relevant field.
- Recognised scientific experience, both in the field and through publications at international level in the relevant field.
- Internationally-minded (having completed a scientific stay abroad of at least six months is an advantage).
- Good teaching skills (teaching experience is an advantage).
- Able to work on interdisciplinary themes.
- Able to work in a team and with shared human and material resources within the GxABT structures and be able to manage technical staff.
- Available for a variety of different roles relating to services to the community and public education.
- Fluent in English and French.
- Available for missions abroad.
- Must subscribe to the general quality objectives developed by the University and the faculty.
- Upon appointment, the post holder must sign an agreement on the ownership of any research results.

Selection procedure:

Each candidate's application will be examined by a Faculty Committee in charge of selecting the candidates to be interviewed, giving reasons for its decisions with regard to this vacancy announcement and the qualifications and merits of the candidates. The Faculty Committee shall interview the candidates, in particular concerning their curriculum vitae, their teaching, research and integration plans for the University and their command of English. The interview will include a "public lecture", the form of which will be set by the Faculty Committee. This interview will be held during the first half of October 2020.

Applications:

Applicants are requested to submit their applications electronically to the following email address: Postesacademiques@uliege.be with a copy to the Dean of GxABT - decanat.gembloux@uliege.be **no later than 01/10/2020.**

Documents required:

- a complete [curriculum vitae](#);
- a cover letter setting out the applicant's personal aspirations in relation to the position;
- a report on past and current research activities and a research plan, including the envisaged integration within the University of Liège;
- a teaching file including a report on any prior teaching activities and a teaching plan;
- a complete list of the candidate's publications and a copy of the five publications they consider to be most significant in relation to the area in question.

Recruitment conditions:

The position shall be assigned either from the outset on a permanent basis or for a fixed term of four years, which may lead to the permanent appointment of the person concerned.

In the case of a four-year appointment, an evaluation of the person concerned will be carried out at the end of the third year.

- If the evaluation is negative, the person concerned will complete the four-year term but will not be able to extend it.
- If the assessment is positive, the person concerned shall be appointed on a permanent basis.

Further information:

For any further information, please contact **Professor Frédéric Francis**, Dean of the Faculty (doyen.gembloux@uliege.be)

Salary:

Salary scales and how they are applied are available from the human resources department of the University: **Ms Ludivine Depas** – tel.: +32 4 366 52 04 – Ludivine.Depas@uliege.be