



Tenure-Track Faculty Position

Open to rank of Assistant Professor in Sustainable Food Systems Engineering

Faculty: Faculty of Agricultural and Environmental Sciences

Department/School: Bioresource Engineering

Position Description

The Department of Bioresource Engineering invites applications for a tenure-track position of Assistant Professor in Sustainable Food Systems Engineering, tentatively starting on January 1, 2022. The position has the potential to interface between food/bioprocess, nutrition, sustainable production of food, and energy/economic models. Specific areas of interest may include eco-efficiency for food production and processing, agri-food value chain analysis, nutrition sensitive processing, bioprocess controls, industrial bioprocesses, and the conversion of waste streams into high value products. This position will lead to enhanced understanding of the complex interactions along the food value chains and optimize food supply chains particularly in resource-limited settings of developing countries across Africa, Caribbean, and other parts of the world.

The Department of Bioresource Engineering is part of the Faculty of Agricultural and Environmental Sciences on the Macdonald Campus, located 35 km west of Montreal's city center and the downtown Campus. The Macdonald Campus Farm, Mary Catherine Freeman Food Laboratories, and the Macdonald Campus are incubation sites that can be used to generate ideas as well as build and test experimental designs. There is the capacity for outreach to surrounding urban, rural, and under-represented communities. Emphasizing this research area will increase the ties with the food production sector and deliver a cutting-edge teaching, research, and knowledge transfer portfolio. Additional information concerning McGill and its Faculty of Agricultural and Environmental Sciences and the Department of Bioresource Engineering can be found on their respective web sites (www.mcgill.ca, www.mcgill.ca/macdonald, www.mcgill.ca/bioeng).

This position is one of several currently being filled at McGill, in phase one of a multi-year initiative designed to strengthen and support research innovation and excellence while addressing a commitment to increase McGill's complement of Black faculty in the tenure stream, as laid out in [McGill's Action Plan to Address Anti-Black Racism 2020-2025](#).

Job Duties

The suitable individual will lead a research program and teach courses related to food and bioprocessing, food safety engineering, bioconversion, sustainable food systems, value chain assessment, fluid dynamics, and/or life cycle analysis (LCA)/life cycle cost (LCC)/data envelopment analysis (DEA) designed for

bioresource engineering students as well as graduate students across multiple disciplines. Research emphasis shall be given to food systems engineering but can include related areas. Participation in Departmental, Faculty, and University committees, as well as engagement with provincial, national and international organizations are expected.

Qualifications and Education Requirements

The successful candidate must have a Ph.D. degree with prior bachelor's degree in engineering. The M.Sc. and/or Ph.D. degree should be in a field associated with Bioresource Engineering or related Engineering discipline pertaining to Food Engineering, Food Science and/or Nutrition Science. Experience in food systems analysis and design will be essential. The candidate must be eligible to register as a professional engineer in Canada. The ability to communicate in French and prior experience with the Canadian agricultural and agri-food industry are highly beneficial.

JOB DETAILS

Job Classification: Tenure-Track
Rank: Assistant Professor
Job Status: Full-Time
Salary: Commensurate with qualifications and experience
Application deadline: **July 31, 2021**, or until position filled

APPLICATION PROCESS

Required documents

- a cover letter & curriculum vitae (as 1 pdf document)
- statements of teaching and research interests (if including other documents, combine to make 1 pdf)
- the names and contact information of three referees

How to apply

Applications must be submitted in Workday:

https://www.mcgill.ca/r2r/files/r2r/workday-guide_for_candidates-en.pdf

Guide on how to apply for external applicants:

https://mcgill.wd3.myworkdayjobs.com/mcgill_careers

Guide on how to apply for internal applicants:

<https://wd3.myworkday.com/mcgill/d/home.html>

Inquiries can be made to Dr. Mark Lefsrud, Chair of the Search Committee (mark.lefsrud@mcgill.ca).

COMMITMENT TO EQUITY AND DIVERSITY

McGill University is committed to equity and diversity within its community and values academic rigour and excellence. We welcome and encourage applications from racialized persons/visible minorities, women, Indigenous persons, persons with disabilities, ethnic minorities, and persons of minority sexual orientations and gender identities, as well as from all qualified candidates with the skills and knowledge to engage productively with diverse communities.

At McGill, research that reflects diverse intellectual traditions, methodologies, and modes of dissemination and translation is valued and encouraged. Candidates are invited to demonstrate their research impact both within and across academic disciplines and in other sectors, such as government, communities, or industry.

McGill further recognizes and fairly considers the impact of leaves (e.g., family care or health-related) that may contribute to career interruptions or slowdowns. Candidates are encouraged to signal any leave that affected productivity, or that may have had an effect on their career path. This information will be considered to ensure the equitable assessment of the candidate's record.

McGill implements an employment equity program and encourages members of designated equity groups to self-identify. It further seeks to ensure the equitable treatment and full inclusion of persons with disabilities by striving for the implementation of universal design principles transversally, across all facets of the University community, and through [accommodation policies and procedures](#). Persons with disabilities who anticipate needing accommodations for any part of the application process may contact, in confidence, this [email](#).

All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.