



UM | Faculty of Agricultural and Food Sciences

Assistant Professor - Sustainability Engineering (Position 31219) Department of Biosystems Engineering

Job Description:

The Department of Biosystems Engineering at the University of Manitoba invites applications for a full-time tenure track position at the rank of Assistant Professor in the area of Sustainability Engineering. This position represents an expansion of our department made possible by the recent gift from the Price family. Start date will be July 1, 2022 or as soon as possible thereafter. Salary will be commensurate with experience and qualifications.

Responsibilities:

The successful candidate is expected to: 1) develop an innovative, externally-funded research program in the area of sustainability engineering (examples include, but are not limited to, reuse or recycling of waste in agricultural production or food processing; production of biofuels and/or bioproducts, biomanufacturing, or other topics that can be described as ‘circular’ biosystems) that is complementary to and synergistic with research expertise already present within the department; 2) contribute to the training of graduate students and other research personnel; 3) collaborate with other academics in the department and faculty, and the broader university community where common interests or synergies may exist; 4) teach existing undergraduate and/or graduate courses in the Biosystems Engineering program, and potentially develop new courses in your area of expertise; 5) participate in the department’s committee responsibilities within the University of Manitoba community; and 6) collaborate with relevant stakeholders (industry, producer groups and government) in Manitoba and the broader community.

Qualifications:

The successful candidate must: 1) hold an undergraduate engineering degree (any engineering discipline is considered acceptable), 2) be registered or be eligible for registration as a Professional Engineer with Engineers Geoscientists Manitoba; 3) hold a PhD (any engineering discipline is considered acceptable) at the time of appointment; and 4) have demonstrated research experience in an area that aligns with the goals of sustainability engineering. Teaching and graduate student supervision experience in a university environment is desirable, as is evidence of effective collaboration in a team environment.

Additional Information:

Administratively, the Department of Biosystems Engineering resides in the Faculty of Agricultural & Food Sciences, but delivers an engineering program that is accredited and administered through the Price Faculty of Engineering. Thus, there are strong connections and responsibilities to both faculties. The Department has 13 tenured or tenure-track professors, 3 full-time instructors, and 7.2 support staff (3.2 administrative & 4 technical). Undergraduate enrolment in the Biosystems Engineering program is approximately 150 students, with an additional 50-60 graduate students in Master’s or PhD programs. The undergraduate teaching responsibilities of the department include courses for the accredited B.Sc. in Biosystems Engineering and service courses for the degree and diploma programs in Agricultural & Food Sciences. The Department of Biosystems Engineering is home to the Sustainability-in-Action Facility devoted to experiential learning and demonstration opportunities that relate to sustainability (<https://umanitoba.ca/engineering/biosystems>).

The University of Manitoba (<http://www.umanitoba.ca/about>) is the province's largest, most comprehensive and only research-intensive post-secondary educational institution. It is home to a wide range of research centres and institutes. The University of Manitoba is committed to the principles of equity, diversity & inclusion and to promoting opportunities in hiring, promotion and tenure (where applicable) for systemically marginalized groups who have been excluded from full participation at the University and the larger community including Indigenous Peoples, women, racialized persons, persons with disabilities and those who identify as 2SLGBTQIA+ (Two Spirit, lesbian, gay, bisexual, trans, questioning, intersex, asexual and other diverse sexual identities). All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

If you require accommodation supports during the recruitment process, please contact UM.Accommodation@umanitoba.ca or 204-474-7195. Please note this contact information is for accommodation reasons only.

The UM campuses are located on original lands of Anishinaabeg, Cree, Oji-Cree, Dakota, and Dene peoples, and on the homeland of the Métis Nation. Manitoba's Indigenous population is young and rapidly growing. Statistics Canada census data suggest that Indigenous peoples will comprise nearly 19 per cent of Manitoba's population by 2026. UM's role in reconciliation, its connections with Indigenous students, partners and communities, and its commitment to Indigenous achievement are central to the kind of future the University seeks to create. Creating Pathways to Indigenous Achievement is a key priority for the University, as identified in its 2015-2020 strategic plan (extended to 2022), Taking Our Place. <https://umanitoba.ca/sites/default/files/2021-10/our-shared-future-building-on-our-strategic-plan-final-oct13-2021-.pdf> The UM is home to a vibrant Indigenous community, including 2,600 First Nations, Métis and Inuit students – one of the largest Indigenous student populations in the country, and is working to establish more Indigenous voices throughout its governance systems and organizational structure. Honoured to be chosen as host of the National Centre for Truth and Reconciliation, the UM is dedicated to advancing Indigenous research and scholarship, and to becoming a centre of excellence for this work.

The University of Manitoba is located in Winnipeg, a prairie city with a population exceeding 700,000. Its ethnic diversity is notable and is celebrated through its many annual Festivals. Experience Winnipeg's world-class arts and entertainment, and professional sports teams. Winnipeg boasts a balanced lifestyle with affordability; the Winnipeg housing market is one of the most favorable in Canada. Winnipeg is located close to superb outdoor recreational activities with a wide variety of lake, beaches, and wilderness areas within an easy drive from the City. For more information about the city of Winnipeg visit: <https://destinationwinnipeg.wordpress.com> and <http://www.winnipeg.ca/interhom/>

All members of the University of Manitoba community are required to submit proof of COVID-19 vaccination. For more information please visit the University of Manitoba COVID website (<https://umanitoba.ca/coronavirus>).

Applicants interested in this position are asked to submit the following:

- cover letter,
- curriculum vitae,
- examples of significant research contributions and proposed research plan in sustainability engineering (maximum three pages),
- brief teaching dossier including a statement of teaching philosophy, overview of teaching experience, and summary of teaching evaluations (maximum three pages),
- a statement describing past, present, or planned actions to promote and further develop equity, diversity and inclusion in the academic community (maximum one page), and
- names and contact information of three references.

Applications will be accepted until March 1, 2022.

Enquiries and applications should be directed to the Search Committee Chair:

Dr. Danny Mann, P.Eng.

Professor & Head

Department of Biosystems Engineering

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University of Manitoba

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Phone: (204) 474-7149

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Application materials and letters of reference will be handled in accordance with the protection of privacy provisions of "The Freedom of Information and Protection of Privacy" (Manitoba). Please note that any submitted curriculum vitae will be made available to participating members of the search process.