



# McGill Faculty of Engineering

## Assistant Professor Position in Chemical Engineering, McGill University

The Department of Chemical Engineering at McGill University invites applications for a tenure-track Assistant Professor position. The preferred area of expertise of the candidate is Plasma Engineering or Biomanufacturing, but strong candidates pursuing research in another Chemical Engineering sub-area will be considered.

Located in the cosmopolitan City of Montreal, McGill University is among the top research-intensive academic institutions in Canada and is consistently ranked in the top universities worldwide. The Department of Chemical Engineering has a long tradition of research and teaching excellence (more than 100 years) and is currently composed of 17 Faculty members. The successful candidate will play a leading role in maintaining McGill's international reputation of excellence in research, teaching, and service. McGill University is an English-language university where most teaching and research activities are conducted in the English language, thereby requiring English communication both verbally and in writing.

**Plasma Engineering:** Chemical process electrification through plasma and plasma-catalytic processing; gas, liquid, and solid conversion; novel reactor concepts and process intensification; equilibrium and non-equilibrium kinetics and processes; efficient and circular use of resources; alternative fuels and utilization cycles; energy storage; other applications in agriculture and medicine.

**Biomanufacturing:** Bioprocessing of vaccines, viral vectors, mRNA, recombinant proteins, or other commercially relevant biologics; novel bioreactors or scale-up and scale-down approaches; downstream processing of biologics; bioprocess intensification; process analytical technologies and process control applied to biologics; omics technologies for bioprocess optimization; continuous biomanufacturing; biomaterial fabrication.

Candidates should have a Ph.D. and preferably, an undergraduate degree in Chemical Engineering. Evidence of outstanding research achievements and potential is indispensable. McGill University is an English-language university where most teaching and research activities are conducted in the English language, thereby requiring excellent English communication skills both verbally and in writing. Knowledge of French is an Asset. Registration in a Canadian professional engineering association is required within the first 6 years following hiring.

Preferred qualifications include dedication to an environment that supports diversity of population and perspectives; as our students come from a wide range of disciplines, cultures, and backgrounds, we invite candidates to address in their application their ability to teach, supervise, and mentor in this context. The successful candidate will show a strong commitment to the mission of the University, through outstanding activities in the areas of research, teaching, and service.

Candidates should submit a complete application package consisting of:

- A cover letter (1 page)
- A curriculum vitae including a list of publications
- A current and near-term (5 years) research statement (3 pages)
- A teaching statement (2 pages)
- A statement on how equity, diversity and inclusion practices are incorporated in professorial activities (1/2 page)
- The names and email addresses of three references

**Applications will be reviewed beginning December 1<sup>st</sup>, 2023** and will continue until the position is filled. Depending on feasibility, interviews may be conducted either in person or remotely. Salary will be commensurate with qualifications and experience. **The expected start date is August 1, 2024.**

Application materials should be submitted using this weblink:

[https://mcgill.wd3.myworkdayjobs.com/McGill\\_Careers/job/Wong-Building/Assistant-Professor-Position-in-Chemical-Engineering\\_JR0000047319](https://mcgill.wd3.myworkdayjobs.com/McGill_Careers/job/Wong-Building/Assistant-Professor-Position-in-Chemical-Engineering_JR0000047319)

For more information about the Department of Chemical Engineering, please visit the website at: [www.mcgill.ca/chemeng/](http://www.mcgill.ca/chemeng/).

Specific inquiries may be sent to the Chair of the Search Committee:

Dr. Jan Kopyscinski.

[Jan.kopyscinski@mcgill.ca](mailto:Jan.kopyscinski@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.*