

Tier 1 Canada Research Chair in Marine Carbon Transformation (Full Professor)

Position Details

Position Information

Position Title	Tier 1 Canada Research Chair in Marine Carbon Transformation (Full Professor)
Posting Number	F723P
Type of position	Continuing Appointment with Annual Academic Career Development
Department/Unit	Engineering - Dal AC
Location	Truro, Nova Scotia, Canada
About the opportunity	<p>Dalhousie University's Faculty of Agriculture invites applications for a Tier 1 Canada Research Chair (CRC) in Marine Carbon Transformation at the level of Full Professor. We are seeking outstanding candidates with an excellent track record of expertise in areas related to chemical engineering and renewable carbon capture and utilization. Research in this area must examine transformation of marine biomass into value-added products such as biofuels, chemicals, and biocarbon materials, effectively turning carbon sources into long term carbon sinks, as well as enhance oceanic CO₂ absorption and utilization using innovative engineering approaches. The research should also examine innovative approaches for oceanic CO₂ capture through nature-based and human engineered approaches.</p> <p>The successful applicant will hold a PhD in a discipline related to chemical engineering and renewable carbon capture and utilization, related to transformation of marine biomass into value-added products such as biofuels, chemicals, and biocarbon materials.</p> <p>The successful candidate will be evaluated on their reputation as an international leader in the field of chemical engineering and renewable marine carbon capture and will be expected to develop a strong externally funded, internationally recognized research program. The successful candidate must be eligible for and committed to registration as a Professional Engineer in Nova Scotia. We seek a team-player and team-builder who can forge synergies within and between academia and industry. We want a clear and stimulating communicator who can inspire students of all levels, support Faculty initiatives, and participate in growing the reputation of the Faculty and University. The successful candidate will have a reduced teaching requirement but will be engaged with students at the undergraduate and graduate level.</p> <p>A complete application package for this position should include:</p> <ul style="list-style-type: none"> • a cover letter (2 pages maximum) • a detailed CV • a prospective research plan (3 pages maximum) • 1 page statement on teaching interests, experience, and philosophy • names, addresses and emails of three references (applicants selected for further consideration will be notified before referees are contacted) • reprints of three recent publications • a completed Self-Identification Questionnaire, available at www.dal.ca/becounted/selfid (please upload this under "Portfolio") <p>The Faculty of Agriculture (www.dal.ca/faculty/agriculture.html) is located on the Dalhousie University Agricultural Campus, located in Truro, Nova Scotia. The Faculty offers technical, undergraduate, and graduate programs (MSc, PhD) in agriculture, aquaculture, environment, and related life and social science disciplines, and is home to 1000+ students and 50+ professors, including current and past Canada Research Chairs. Dalhousie is the leading graduate and research university of Atlantic Canada, with more than 18,500 students, including 3500 in graduate programs, from 115 countries. Dalhousie is proud to be named one of Canada's Top 100 Employers for the last several years. The Department of Engineering is a home to a vibrant team of engineers and scientists focused on the development of precision farming and sensor driven field production technologies, innovative waste and environmental management, biomass conversion and bio-refinery technologies, development of novel technologies for food processing, and environmental modeling of surface water systems.</p> <p>The CRC program was established by the Canadian Federal Government with the purpose of attracting outstanding researchers to the Canadian university system. CRC Tier 1 Chair holders are for outstanding researchers acknowledged by their peers as world leaders in their fields. The</p>

	<p>Chair is tenable for seven years and renewable once. Please contact the research grants office and see the CRC website (www.chairs.gc.ca) for more information on eligibility.</p> <p>This position is a part of the Dalhousie Faculty Association (DFA) Bargaining Unit.</p> <p>All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority.</p> <p>Dalhousie University commits to achieving inclusive excellence through continually championing equity, diversity, inclusion, and accessibility. In keeping with the principles of employment equity and the CRC program's equity targets, this position is designated to candidates who self-identify as both racialized and as a woman or a member of another gender equity-seeking group. Dalhousie recognizes that candidates may self-identify in more than one equity-deserving group, and in this spirit, also encourages applications from Indigenous Peoples of Turtle Island (especially Mi'kmaq), persons of Black/African descent (especially African Nova Scotians), persons with disabilities, persons identifying as members of 2SLGBTQIA+ communities, and all candidates who would contribute to the diversity of our community. In accordance with our Employment Equity Policy, preference will be given in hiring processes to candidates who self-identify as members of one or more of the equity-deserving groups listed above. For more information, including details related to our Employment Equity Policy and Plan and definitions of equity-deserving groups please visit www.dal.ca/hiringfordiversity.</p> <p>Dalhousie recognizes that career paths can be diverse and that career interruptions may occur. Applicants are encouraged to include, in their cover letter, an explanation of the impact that any career interruptions may have had on their record of research achievement. These impacts will be taken into careful consideration during the assessment process.</p> <p>If you require any support for the purpose of accommodation, such as technical aids or alternative arrangements, please let us know of these needs and how we can be of assistance. Dalhousie University is committed to ensuring all candidates have full, fair, and equitable participation in the hiring process. Our complete Accommodation Policy can be viewed here. Please contact the Chair of the selection committee, Dr. Colombo, Faculty of Agriculture with any questions (scolombo@dal.ca).</p>
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Posting Detail Information

Open Date	
Close Date	09/22/2025
Open Until Filled	No
Quick Link for Direct Access to Posting	https://dal.peopleadmin.ca/postings/19446

Documents Needed to Apply

Required Documents

- 1. Résumé / Curriculum Vitae (CV)
- 2. Cover Letter
- 3. Teaching Statement
- 4. Teaching Dossier
- 5. Research Statement
- 6. Sample Publication(s)
- 7. Portfolio
- 8. List of referees

Optional Documents