

Nicolas Paris

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Professional Objectives

Increase the precision of life-cycle assessment (LCA) methods to improve the accuracy and reliability of environmental impact assessments. Use LCA in the fields of transportation and energy (fossil fuel, electricity, hydrogen) to advise the transition to renewable sources of energy.

Skills

- Strong analytical and critical thinking skills
- Proficient with oral and written scientific communications
- Good knowledge of major environmental and sustainability issues
- Important background in mathematics and physics
- Ability to adopt a holistic approach when working on a project

Education, Scholarships, and Awards

4-year Vadasz Doctoral Fellowship	09/2024 – 09/2028
McGill University – Department of Civil Engineering	
Ph.D. Degree in Civil Engineering	09/2023 – 08/2027
McGill University – Faculty of Graduate and Postdoctoral studies	
MEDA Master-to-PhD Fast-Track Award	09/2023 – 08/2027
McGill University – Faculty of Graduate and Postdoctoral studies	
MASc in Materials Engineering	09/2022 – 04/2023 (not completed)
University of British Columbia – Faculty of Graduate and Postdoctoral studies	
NSERC's Undergraduate Student Research Award (declined)	05/2022
National Institute for Scientific Research – Water, Earth, Environment department	
Murray and Eleanor McEwen Clean Water Scholarship	11/2020
McGill University – Faculty of Agricultural and Environmental sciences	
Bachelor's Degree in Bioresource Engineering	01/2019 – 04/2022
McGill university - Faculty of Agricultural and Environmental Sciences	

Work and Research Experiences

Graduate Research Assistantship

09/2023 – 08/2025

McGill University, Department of Civil Engineering, under the supervision of Professor Sarah M. Jordaan

- Research in life cycle assessment (LCA) (increasing spatiotemporal resolution)
- Applying LCA to transportation sector (GHG emissions and air pollutants)

Graduate Research Assistantship

09/2022 – 04/2023

University of British Columbia, Department of Materials Engineering, under the supervision of Professor Rizhi Wang

- Research in mechanical properties of biomaterials (mainly bones)
- Observing the effects of cancer on the mechanical properties of porous structures

Research Internship

05/2022 – 08/2022

The International Reference Centre for the Life Cycle of Products, Processes and Services (CIRAIG), under the supervision of Professor Anne-Marie Boulay

- Research in life cycle assessment (LCA) (summarizing and comparing impact methods)
- Creating learning tools for future LCA-related courses

Insects to Feed the World 2022 conference (Presenter)

06/2022

As a member of the National Institute for Scientific Research (INRS)

- Presentation of “Evaluating *Tenebrio molitor*’s productivity with different wheat by-products diets for standardised nutritional assays”
- On the subject of insect growth and its food-upcycling potential (circular economy)

Research Internship

11/2021 – 08/2023

National Institute for Scientific Research (INRS) (Water, Earth, Environment department), under the supervision of Professor Louise Hénault-Éthier

- Research in valorisation of waste, circular economy, and life-cycle thinking
- Assessing the potential of insect farming for a more sustainable food system

Engineering Internship

05/2021 – 04/2022

SNC-Lavalin (Air, Acoustic, and Climate Change department)

- Consulting engineering work for refineries (fugitive gas emissions)
- Analysis of chemical processes and evaluation of leak potential