

MSc/PhD/PDF MITACS Project with Hydro-Quebec on LFP battery recycling

HydroMET Group of Professor G. P. Demopoulos¹ **@Materials Engineering, McGill University**

The HydroMET Lab and Hydro-Quebec's Centre of Excellence have a collaborative project on LFP battery recycling and are looking for either postgraduate or postdoctoral student with the right qualifications to recruit. The project will be funded via a MITACS-Hydro-Quebec grant at the appropriate level (MSc, PhD or PDF) depending on the selected candidate. The project may be two (MSc or PDF) or three years (PhD) in duration. The student will have to spend between 25 to 75% of their time at the company's facilities. Stipends are according to MITACS norms for the different level of postgraduate studies.

Starting date: September 2024 or as soon the selected candidate is available.

Project description: The student will test and optimize an aqueous-based electrochemical process for the direct recycling of spent LiFePO₄ cathode materials (black mass). Previous experience in electrochemical processes, electrolysis, battery materials, reactor engineering, and electrochemical analysis methods will be an asset.

Qualified candidates with academic background in Chemistry, Physics, Chemical Engineering or Materials Science & Engineering and related research experience are encouraged to apply.

If interested, please send (email address given below) your CV and transcripts (unofficial copies are fine) to Prof. Demopoulos¹: George.demopoulos@mcgill.ca