

PhD position available at UQAR-ISMER

About the Project

We are looking for a PhD student to study the inherent optical properties (IOPs) of microplastics suspended in the surface water of the St. Lawrence River and Estuary, their response to plastic degradation, and their application in satellite-based remote sensing for the identification, quantification, and tracking of microplastics in surface oceans. This is a collaborative project between the Institut des sciences de la mer de Rimouski (ISMER) at the Université du Québec à Rimouski and the University of Southern Mississippi (USM). The student will be trained by a team of three experts in different fields, including Dr. Xiaodong Zhang (USM) in ocean optics and remote sensing, Dr. Huixiang Xie (ISMER) in marine photochemistry, Dr. Zhe Lu (ISMER) in ecotoxicology. The student will be affiliated at UQAR-ISMER but will have opportunities to travel to Dr. Zhang's laboratory at USM for training and sample analysis.

Start date of position

The start of the 2021 autumn semester (late August 2021).

Financial aid

Full financial support in the form of scholarship for four years (CAN\$22,000/year).

Qualification requirements

- Meet the basic requirements for admission to the doctoral program in oceanography at UQAR (<https://www.uqar.ca/etudes/etudier-a-l-uqar/programmes-d-etudes/3292>).
- GPA > 3.2/4.3, 3.0/4.0 or 11/20.
- Hold a master's degree before the start date in oceanography, physics, chemistry or a related physical science.
- Good communication skills in English.
- Experience in ocean optics and remote sensing is an asset.
- Communication skills in French are an asset.

Required documents

- CV.
- Letter of motivation.
- University academic transcripts (undergraduate and graduate).
- Names and contact information of three references.

Selection

Equity, diversity, and inclusion are part of UQAR-ISMER's core values. We welcome all qualified applicants to apply for these positions. The selection of applicants will start on July 1, 2021 until the position is filled.

To apply or for more information, please contact

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