



Automne 2021
Conférence
au Département de chimie

CONFÉRENCIER

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DATE

Lundi, 1^{er} novembre 2021

TITRE

Environmental chemistry as a vital tool to better understand ecosystem changes in Polar Regions

RÉSUMÉ

Climate change is changing our world faster than was originally expected and these changes are most prominent in Polar Regions where contaminant movements are rapidly degrading environmental quality. Polar Regions were once considered pristine environments, however now the deterioration of environmental quality is commonplace. The increase of tourism in Antarctica, the permafrost thaw and exploitation of natural resources in the Arctic, are some of the stressors that contribute to increased contamination in those extreme environments. This will come with serious impacts on both human and ecosystem health. All scientific topics of environmental chemistry coupled with other disciplines are crucial to characterize and understand all the above changes providing scientific based knowledge to establish mitigation and remediation strategies. The T-MOSAiC Arctic Program is a perfect example of this strategy.

In this seminar, several case studies in both the Arctic and Antarctica, where I've been involved, will be presented, and discussed. A special focus will be given to the chemistry of permafrost thaw lakes in the Arctic and the cycle of trace-elements in a volcanic impacted ecosystem in Antarctica.

La conférence aura lieu à **10 h 30 en salle Zoom** :

<https://ulaval.zoom.us/j/68898507062?pwd=OFY0WnJ2T1BLRFhNjMWMc3Y3JjQT09>

Professeur hôte : **Raoul-Marie Couture**

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Cordiale invitation à toutes et à tous !



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