

ENVIRONMENTAL SCIENCES SEMINAR SERIES, **WINTER 2025**

Date(s): Mar 27

Speaker: Dr Renata Raina-Fulton

Title: Tackling large complex environmental issues. Can we provide new insight into factors impacting the bee decline?

Abstract: Developing improved management practices for crop and honey producers for protection of honeybees is complex and critical to the protection of the environment and pollinator species along with growth of Canada's economy. Our work focuses on (1) new methods for extending detection of a range of contaminants including pesticides and those associated with forest fires, and (2) extending field sampling approaches from conventional pollen and beebread sampling to a beekeeper friendly passive in-hive sampling. Pollen collection is a snapshot approach to sampling such that we are using our experience in atmospheric sampling studies to improve the feasibility of seasonal in-hive sampling.