Seminar Series 2020 - 2021

Southern Ontario Centre for Atmospheric Aerosol Research

University of Toronto

Spatiotemporal variations in aeroallergens in the City of Toronto

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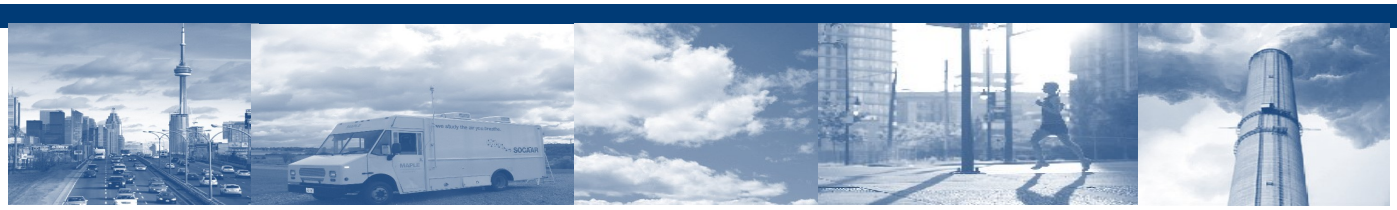
It is estimated that 2.5 million Canadians suffer from asthma, this corresponds to 8.4% of the total population. Additionally, respiratory allergies such as allergic rhinitis affect 1 in 5 Canadians. Exposure to aeroallergens, such as pollen, has been associated with the exacerbation of allergic rhinitis and asthma. It is known that the quantity and timing of pollen dispersal, can be influenced by the tree canopy, level of urbanization, atmospheric conditions and number of source plants in the area, among other factors. In order to better understand the spatiotemporal distribution of aeroallergens, measurements of pollen and spore concentration from the pollen season in 2018 at 18 sites distributed across Toronto were taken. The purpose of this seminar is to present findings on predictors of intra-urban variation in aeroallergens in the City of Toronto and to present how environmental and urban land-use factors may influence the concentration of aeroallergens.

Wednesday, December 2, 2020 3:00 - 4:00PM

Microsoft Teams Meeting - Click here to join the meeting

Or call in (audio only) +1 647-794-1609,,816370353#
Conference ID: 816 370 353#



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