Dr. Katherine Darvesh  
Associate Professor  
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**Research:** Quantum Chemistry, Computational Studies of Potential Anti-Alzheimer Drugs.

**A Sample Publication:**  

Dr. Ian Pottie  
Associate Professor  
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**Research:** Organic Chemistry, Biological Chemistry, Synthetic Methodology Development.

**A Sample Publication:**  

Dr. Aibing Xia  
Associate Professor  
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**Research:** Organometallic Synthesis and Catalysis, Inorganic Chemistry.

**A Sample Publication:**  

Dr. Chérif F. Matta  
Associate Professor  
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**Research:** Quantum Biochemistry, Theoretical Chemistry, Studies of Molecular Electron Densities.

**A Sample Publication:**  
Why study Chemistry?

* Central science: Meeting point of physics, biology, medicine, environmental science, etc.

* Backbone of the Canadian economy.

* Industrial/Government careers in sectors as: Pharmaceutical, oil, paint, food, materials (e.g. plastics ceramics), national defense, etc.

* Academic careers: Research and teaching in chemistry.

Why study Chemistry at the Mount?

* Small class size (10 - 30 students).

* Faculty-student interaction: students can be involved in cutting-edge research, and in teaching/marketing undergraduate labs.

* Modern instruments: GC/MS, GC-FID, HPLC, FT-IR, UV-Vis, powerful computational chemistry Linux Cluster, Silicon Graphics workstations.

Degree Programs in Chemistry @ the Mount:

* 20-Unit major (8-unit chemistry courses).

* 20-Unit joint honours (10-unit chemistry courses).

* Combined major (6-unit chemistry courses).

* Concentration (4-unit chemistry courses).

* Minor (3-unit chemistry courses).

www.msvu.ca/chemistry