

2022 Past News Items

Also visit our Seminars & Events page for current & past news items

Peer-reviewed publication for Chemistry Faculty Member, Jason Masuda

September 13, 2022

Synthesis and crystal structure of 3-phenyl-1,4,2-dithiazole-5-thione, Published in *Acta Cryst. E.*, 2022, E78. Authors: Melbourne J. Schriver, Tanner George and **Jason D. Masuda**.

Co-author Tanner George is a graduate student in Chemistry at Saint Mary's University

Peer-reviewed publication for Chemistry Faculty Member, Cory C. Pye

August 2, 2022

An ab initio study of the effect of hydration on the vibrational spectrum of hydrogen arsenate ion, Published in *Computational and Theoretical Chemistry*, **2022**, 1215, 113838 (August 2, 2022) Authors: **Pye, Cory C.**; Chiome, Tinofadzwa; Goodall, Barbara L.

Co-authors Tinofadzwa and Barbara were former undergraduate research students of Dr. Pye and are graduates of Saint Mary's University...

Peer-reviewed publication for Chemistry Faculty Members, Cory C. Pye and Christa L. Brosseau

June 16, 2022

Electrochemical Surface-Enhanced Raman Spectroscopy (EC-SERS) and Computational Study of Atrazine: Toward Point-of-Need Detection of Prevalent Herbicides, Published in *Journal of Physical Chemistry C* **2022**, 126, 9836-9842. (Jun 16, 2022), Authors: Albargouthi, Najwan; Eismor, Maddison M; **Pye, Cory C.**; **Brosseau, Christa L.**

Co-authors Najwan and Maddison are graduates of Saint Mary's University.

Peer-reviewed publication for Chemistry Faculty Member, Danielle Tokarz

May 26, 2022



**Saint Mary's
University**

SCIENCE

Second harmonic generation microscopy of otoconia. Published in the journal *"Biomedical Optics Express"*, vol. 13, Authors: Kennedy Brittain, MacAulay Harvey, Richard Cisek, Saranyan Pillai, Sean D. Christie and **Danielle Tokarz**.

Co-author Kennedy Brittain is a graduate of Saint Mary's University.
Co-author MacAulay Harvey is a graduate student at Saint Mary's University

New research exploring automated cancer detection

May 17, 2022

Chemistry faculty member, **Dr. Danielle Tokarz**, is exploring the use of custom laser-scanning microscopes in diagnosing diseased or cancerous tissue.

Peer-reviewed publication for Chemistry Faculty Member, Cory C. Pye

May 14, 2022

An ab initio study of the effect of hydration on the vibrational spectrum of hydrogen selenate ion. Authors: **Pye, Cory C.**; Akbari, Peyman; Goodall, Barbara L.; Shah Alam, Marwa Y. Published in *Journal of Molecular Liquids* **2022**, 119383 (May 14, 2022).

Co-authors Peyman, Barbara, and Marwa are former research students of Dr. Pye and graduates of Saint Mary's University.

Peer-reviewed publication for Chemistry Member, Katherine Robertson

March 23, 2022

Thermal Stability and Decomposition Pathways in Volatile Molybdenum(VI) Bis-imides. Authors: Michael A. Land, Goran Bačić, **Katherine N. Robertson**, Seán T. Barry. Published in *Inorganic Chemistry*, 2022

Undergraduate Scholarships Program - Applications now being accepted

March 22, 2022

Applications for the Undergraduate Scholarships Program is now available for the 2022-23 academic year! Some of the awards that the Chemistry Department is involved in selecting applicants are:

Cleary Family Scholarship

Joseph & Charles Hinman Canadian Memorial Bursary

Jack Ginsburg Memorial Scholarship

John C. O'C. Young Scholarship

All students who attended Saint Mary's University for the 2021-2022 academic year and who will be continuing their undergraduate studies in the 2022-2023 academic year are encouraged to apply, and outline their unique, individual qualities in their personal statement. The deadline to apply is May 1, 2022 at 11:59pm

Students can visit smu.ca/awards to find the Saint Mary's University Undergraduate Scholarships Program application, as well as other applications that are currently available for the 2022-2023 academic year. Questions can be emailed to financial.aid@smu.ca.

Peer-reviewed publication for Chemistry Member, Katherine Robertson

March 15, 2022

Tetra- μ -acetato- κ 8O:O'-bis[(3-chloropyridine- κ N)ruthenium(II,III)](Ru—Ru) hexafluoridophosphate 1,2-dichloroethane monosolvate. Published in *IUCrData*. Authors: A. J. Aquino, D. Gerrior, T. S. Cameron, **K. N. Robertson**, and M. A. S. Aquino

Preventing Falls and Balance Issues in Nova Scotians

March 7, 2022

Understanding and combating the debilitating health impacts of balance disorders is the focus of newly funded research by Saint Mary's University's Dr. Danielle Tokarz. Her research will help patients by limiting the dosage of certain medications, reducing the future number of Nova Scotians who will have balance issues. To read more about this research, visit the article: [Prevent Falls and Balance Issues in Nova Scotians](#)

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Peer-reviewed publication for Chemistry Faculty Member, Cory Pye

March 3, 2022

An ab Initio Investigation of the Hydration of Lead(II). Published in Liquids 2022, 2, 39-49. (March 3, 2022). Authors: **Pye, Cory C.**; Gunasekara, C.Mahesh