

Monthly Report to the Provost – Faculty of Science – February 2025

Engaging Learners

Math Match

Yearly math contest hosted by Anna Kuczynska through the Math and Stats Centre. Two teams compete to solve math problems over the course of the day.



Pics from the 10th
MM 2025.pdf

Transforming Lives

Cherie Enns

Invited to nominate 3 QEScholars -and one I selected was Madeline based on her role as a QES intern - Dear Dr. MacLean, We're delighted to inform you that Madeline Swain who you nominated, is among 57 remarkable Canadians selected to receive the King Charles III Coronation Medal through Universities Canada.



International
Funded Internships.

Stefania Pizzirani

Feb 14th – submitted “*Trash or Treasure? Clothing Waste Management Strategy of The Mennonite Central Committee (MCC) Centre Thrift Shop*”, Administrative Sciences Association of Canada (ASAC) conference

Feb 14th - Nominated the Office of Sustainability for a UFV Teamwork award

Feb 28th – submitted “*Trash or Treasure? Clothing Waste Management Strategy of The Mennonite Central Committee (MCC) Centre Thrift Shop*”, Ivey-PRME Sustainability Case Competition.

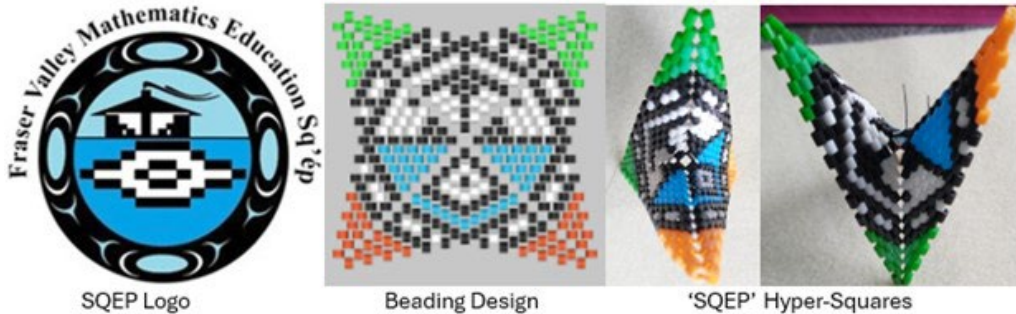
Feb 28th – submitted “*Agrikrit: Modular Farming Solutions Enhancing Local Food Security*”, Ivey-PRME Sustainability Case Competition.

Stan Manu

Participated in a 'Community Blanket' session, held at the UBC Longhouse. This beading project started two years ago, first with us participants learning how to bead under the guidance of an indigenous artist. It led to us beading individual hyper “warped” squares which then were

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collected to make a “Community Hyper Blanket”. Last month’s session was the first time we came together with the artist to “weave” each individual hyper-squares into one blanket. I had contributed six hyper-squares in total including one that was inspired by our very own “Sqep” logo (see photo). Once this blanket is completed, hopefully this summer, we’re hoping it will be shared with our community here at UFV.



Building Community

Cherie Enns

[The Adolescent Girls' Education in Crisis Initiative \(AGENCI\) - Aga Khan Foundation Canada](#)

Cynthia Loten

Another successful Math Mania event at Vedder Elementary School on Wed, Feb 5. All 3 of our event dates are already booked for next year (2025-2026 academic year), including two schools who are new MM hosts: Greendale Community School and Stitó:s Lá:lém Totí:lt Elementary / Middle

Stefania Pizzirani

Feb 11th – attended the Future of Food conference in Ottawa

Feb 12th – attended the Wo Inina – Indigenous Food Sovereignty conference in Ottawa

Feb 18th - Guest speaker at Madrona School, Vancouver; spoke on the “Story of our Clothes” and other PGES programming

Feb 21st – attended the Community-Based Research Orientation webinar, led by Community-Based Research Canada

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Agriculture

UFV Agriculture department participated in the Pacific Agriculture Show at the Abbotsford Tradex Centre on January 23, 24, and 25th. We showcased our programs and made many more contacts in the field.

At the Pacific Ag Show, UFV's Chris Bodnar gave the opening plenary and participated in 2 panel discussions on agri-tech.

UFV's Renee Prasad presented on her field of Integrated Pest Management (IPM) research (funded via the Canadian Agri-Science Cluster for Horticulture)

A huge shout out to UFV's Trades and Technology Heavy Mechanic department for lending us their pub table that they made



List of Publications (UFV student names underlined>

Kseniya Garaschuk

K. Garaschuk, A. Liu, "Grade V Competition from the Leningrad Mathematical Olympiad", 2020, Springer International Publishing, doi: 10.1007/978-3-030-52946-8 has been translated to Japanese. I just received the hard copy and can send along a picture.

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Michael Hitch

Cai, J., Y. Cao, B. Yang, J. Li, and M. Hitch (2025) Preparation of Fe₃O₄/C Composite Material from Red Mud for the Degradation of Acidic Orange 7. *Materials*.

<https://doi.org/10.3390/ma18010151> (SJR Q1)

Heraiz, H., X. Mu, J. Li, B. Lei, S. Zhang, Y. Li, S. Zhu, W. Ni, and M. Hitch (2025) Optimization of ultra-high-performance concrete using a clinker-free binder and iron mine tailings aggregate. *Minerals*. <http://doi.org/DOI:10.3390/min15010028>. (SJR Q2)

Kashif, N., B. Albijanic, J.J. Xu, T. McGrath, Md. K. Nazir, M. Hitch, and B. Tadese (2024) Investigating the drying behaviour of clay-containing slurries. *Applied Clay Science*. <https://doi.org/10.1016/j.clay.2024.107500> (SJR Q1)

Du, H., J. Li, D. Xu, W. Ni, X. Mu, B. Sayn, J. Guo, Z. Shi, M. Gu, Y. Yin, Z. Yang, and M. Hitch (2024) Effects of steel slag on the properties and microstructure of magnesium oxysulfate cement prepared by magnesium desulfurisation by-products. *Journal of Materials Research and Technology*. <https://doi.org/10.1016/j.jmrt.2024.04.070> (SJR Q1)

Book Chapters:

Hitch, M. (2024) Part 2, Chapters 1-5 *Mine Planning in MiReBooks, Mixed Reality Handbooks Mining Education*, Carsten Drebenstedt, Susan Feiel, and Peter Moser (eds) Leycam. ISBN 978-3-7011-0486-4, pp. 119-234.

LongLong Huang & Shawn Zheng Sun

Leung, E., Nixon, G., Moarefi, N., Huang, L., Sun, S.Z., Ko, J. Treatment patterns and outcomes in ovarian germ cell tumor patients.

Chi, J., Rajkumara, G., Huang, L., Sun, S., Ko, J. The addition of chemotherapy (CT) and radiation therapy (RT) for patients with stage III endometrial cancer treated with curative intent surgery and their impact on recurrence and survival for molecular subtypes.

Serhii Myroshnychenko

Myroshnychenko, S., Tatarko, K. T., & Yaskin, V. (2024, December 16). *Answers to questions of Grünbaum and Loewner*. *Advances in Mathematics*.

<https://www.sciencedirect.com/science/article/pii/S0001870824005978?via%3Dihub>