

Monthly Report to the Provost – Faculty of Science

The Faculty of Science (FoS) has the following to report for the month of **May 2022**:

Engaging Learners

Dr. Golfam Ghafourifar's Chemistry Research Student, **Maor Arad**, submitted his abstract to present at the 2022 Canadian Chemistry Conference and Exhibition being held in Calgary next month. He was further selected to do a poster pitch presentation. <https://www.cheminst.ca/conference/canadian-chemistry-conference-and-exhibition/>

The first international Queen Elizabeth Scholar since the pandemic arrived from Kenya to intern with **Dr. Cherie Enns**, Associate Professor from the School of Land Use and Environmental Change (SLUEC) and the Food and Agriculture Institute.

We are pleased to announce the release of our second issue of the Faculty of Science Magazine <https://issuu.com/goufv/docs/fos.magazine.2022>. It not only spotlights some of our amazing students but highlights some of the wonderful science that takes place here at UFV. To view our first edition, please visit: https://issuu.com/goufv/docs/fos_2019-2020/1?ff.

Transforming Lives

Dr. Carin Bondar, Biology Adjunct Professor and Sessional Instructor is working on a new project in collaboration with Metis Nation Chilliwack and Chill TV. It is a talk show called 'That's What She Said', and it provides an interesting look at the lives of successful women across the Fraser Valley and beyond. Season 1 will feature **Dr. Wenona Hall**, Department Head of Indigenous Studies at UFV. Carin is hoping to invite other faculty and staff to participate. The series will premiere in June.

Dr. Golfam Ghafourifar, Chemistry Associate Professor, was pleased to announce that her research student, **Connor Frey**, who will be graduating this year from UFV has been accepted to Medical School at the University of British Columbia.

Congratulations to **Rhien Hare**, biology major, who was selected to represent UFV this summer, in person, at the 63rd Annual London International Youth Science Forum (LIYSF) <https://www.liysf.org.uk/liysf/liysf-2022>. Rhien will travel abroad with our 2020 LIYSF Representative, **Annabelle Czihaly**, physics major, who has been patiently waiting to travel since the event was postponed in 2020 due to the pandemic.

<https://blogs.ufv.ca/science/2022/04/28/congratulations-to-ufvs-2022-liysf-representative-rhien-hare/>

The Fraser Valley Regional Science Fair Team of **Grace Yu** and **Akira Yoshiyama**, Grade 11 students from Meadowridge Secondary School in Maple Ridge represented the Fraser Valley at the virtual Canada Wide Science Fair <https://youthscience.ca/science-fairs/cwsf/virtual-2022/> held earlier this month. Their project "On the Generative Design of Airfoils" not only won gold in their division but they also took home the Youth Can Innovate Award! <https://blogs.ufv.ca/science/2022/05/20/team-fraser-valley-takes-gold-at-the-2022-canada-wide-science-fair/>

Building Community

The FoS was excited to welcome the Department of Agriculture Technology to our faculty on May 1. The department brings with them **Dr. Renee Prasad**, Department Head; **Michelle Morier**, Department Assistant; **Angela Oscienny**, Program Technician; two new faculty members and a new Canada Research Chair; and several sessional instructors.

On Friday, May 27 Dr. Lucy Lee announced our FoS Awesome Achievement Awards for 2022. Congratulations to **Dr. Mariano Mapili** (SLUEC) and **Dr. Sandra Gillespie** (Biology) Co-Recipients of the Awesome Achievement Award for overall excellence in academic endeavors. **Steve Marsh** (SLUEC) - FoS Teaching Excellence; **Dr. Justin Lee** (Biology) – Research Excellence; **Dr. Vanessa Radzimski** (Math & Stats) – Outreach Excellence; **Dr. Renee Prasad** (Agriculture) - Superb Performance of Service Duties (Faculty); **Shawn Millar** (Chemistry) – Superb Performance of Service Duties (Staff). Read more: <https://blogs.ufv.ca/science/2022/05/27/congratulations-to-our-2022-faculty-of-science-aaa-award-recipients>

Dr. Lucy Lee, Dean hosted the Canadian Council of Deans of Science (CCDS) Annual Meeting on May 27-29 at UFV. <https://ccds.website/annual-meetings/> This event brought together Science Deans and Associate Deans from PEI to Vancouver Island.

Sample List of Presentations/Publications (UFV student names underlined> by FoS personnel:

Owuor, S. and **Enns, C.** 2022. Food Insecurity in East Africa: Applied Approaches for Transformative Research. Innovative Approaches to Migration and Food Security in Urbanizing Kenya, Balsillie School of International Affairs, Waterloo (May 2022).

Qadri, S. M.T., Waqas Ahmed, A. K.M.E. Haque, Ahmed E. Radwan, Mohammad H. Hakimi, and Ahmed K. Abdel Aal. 2022. Murree Clay Problems and Water-Based Drilling Mud Optimization: A Case Study from the Kohat Basin in Northwestern Pakistan. *Energies*. 2022; 15(9):3424. <https://doi.org/10.3390/en15093424>

Shah A.A., Sahari, S., Navakanesh B., Nurhafizah A.M., Fui, F., Ashwini, and **Qadri, S.M.T.** 2022. Tectonic Geomorphology Of The Jhelum Fault Zone And Its Contiguous Regions In Western Himalaya. *Bulletin of the Geological Society of Malaysia*. 73(1): 119-138. doi.org/10.7186/bgsm73202210

Van Acker, R., Fraser, E., and **Newman, L.** (2022). “5 technologies that will help make the food system carbon neutral” *The Conversation* (May 18, 2022) <https://theconversation.com/5-technologies-that-will-help-make-the-food-system-carbon-neutral-182846>