

Monthly Report to the Provost – Faculty of Science

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

Engaging Learners

Dr. Carin Bondar, Biology Adjunct Professor and Sessional Instructor filmed a documentary for CBC and ABC (Australian Broadcasting Corporation) last spring called ‘Carbon – An Unauthorised Biography’ hosted by Neil deGrasse Tyson. The trailer for the movie was just released this month. The Vancouver premiere will be February 22. Carin is in the trailer at 01:00 <https://vimeo.com/663981105>. **Film website:** <https://www.thecarbonmovie.com/>. She also finished shooting Season 2 of Battle of the Alphas on Love Nature <https://tv.lovenature.com/shows/battle-of-the-alphas/>.

Christine Dalton, Biology Lab Instructor has not only been writing articles for **NatureWILD Magazine** <https://naturekidsbc.ca/be-a-naturekid/naturewild/> for the past couple of years she has been serving on their Editorial Board. NatureWILD is BC’s only all-colour mature magazine for children and their families. Every issue features a range of articles by BC’s leading naturalists, as well as games, nature activities, step-by-step drawing instructions, contests, quizzes, nature news from across the province, stories and more!

Transforming Lives

Dr. Cherie Enns, Associate Professor from the School of Land Use and Environmental Change, is building an excellent partnership with the Urban Economy Forum (UEF) <https://www.ueforum.org/>. UEF is an international organization that engages with the United Nations system and city leaders to build capacities and global networks to realize the United Nations’ Sustainable Development Goals (SDGs), focusing on sustainable urbanism. A Memorandum of Understanding between UEF and UFV is currently being developed. She is also the lead on housing ideation for youth living in informal settlements working with UN partners, several universities and housing professionals <https://iglus.org/informal-housing-challenge-community-ideation-and-innovation/>. Dr. Enns began her year sabbatical this month and continues to work on a book for Routledge.

Building Community

Dr. Lenore Newman, Director of the Food and Agriculture Institute and Professor in the School of Land Use and Environmental Change, was featured in the first episode of UFV’s “Get to Know” podcast. She talked about her career journey, the recent floods in the Fraser Valley, the future of food, and her retirement dream. Listen to the podcast on Spotify here: <https://open.spotify.com/episode/2ZqQ1aG13klTqoSKrmBlf?si=XHe7p-i4TpKZ9hv7NWNGmA>

Dr. Ian Affleck, Associate Dean of Science and Associate Professor, **Dr. Robin Endelman**, Science Rocks Coordinator met with Dave Reith, Abbotsford International Airshow Operations Manager to discuss exhibiting at the STEM Display Zone during the Airshow to be held August 5-7. We hope to feature our Science Outreach programs, Science Rocks! and Let’s Talk Science.

Dr. Sandra Gillespie, Assistant Professor from Biology, and her team of research investigators from Washington State Department of Agriculture were successful in their grant application to the United States Department of Agriculture/National Institute of Food and Agriculture. Their project, “A Holistic Approach to Determining the Impact of an Established Exotic Pollinator, *Bombus Impatiens*, on Bumble Bee Health in the Pacific Northwest” will study the impacts of invasive bumblebees on native bees. Dr. Gillespie’s funding, roughly \$68K USD, will support several summer research students over the next four years to assist in the study.

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

Garaschuk, K. and **Radzimski V.**, Session Organizers of *"I don't write in math, I just do it": Emphasizing communication in mathematical practice* at Canadian Mathematics Society Winter Meeting, December 2021.

Leung, F.S., **Radzimski, V.**, & Doolittle, E. Re-imagining Authentic Mathematical Experiences for non-STEM Majors, Fields Mathematics Education Forum, November 2021.

Radzimski, V. (2022) "From the Lecture Notes of...", *Crux Mathematicorum*, Volume 48, No. 1

Radzimski, V. and **Garaschuk, K.** (2021) Supporting Community and Communication through Online Learning Journals, *CMS Education Notes*, September 2021.