<u>Engaging Learners</u>
School of Land Use and Environmental Change (SLUEC) Assistant Professor, Dr. Afia Raja 's GEOG 252 class won three awards at the CityStudio Hubbub 10 event held at Abbotsford City Hall on Decembsf 2 (fTw 0.87 00 T3)-6 9Suntn r -4.3 (

<u>project/#_ftn1</u>. Jacqueline joined 6 other UFV interns (Alexi Kneale, Natasha Knebelow, Kenzie Ekkebus, Abbey Lin, Cole McGee, and Amanjot Dhaliwal), in December with funding for various applied planning policy and food

https://ufvfoodsecurityinternship.ca/intern-testimonials/. Dr. Enns also launched her recent IDRC grant research,

security projects. Read more on the interns and what each have contributed to this project:

The Faculty of Science (FoS) has the following to report for the month of **December 2022 - January 2023**:

Monthly Report to the Provost – Faculty of Science

Dr. Stefania Pizzirani, Assistant Professor from SLUEC is stepping in as acting Associate Director of FAI. **Dr. Lauren Erland**, Director of Berry Horticulture has joined FAI and partnered with her on new grant funding applications.

Building Community

Drs. Mariano Mapili, Afia Raja, and Talha Qadri from SLUEC assisted the City of Mission in securing funding from the Union of BC Municipalities for an Extreme Heat mapping, Risk Assessment and Planning. This month, the team started the mapping of vulnerable population with our student researcher Saba Berenjforooshazar. The same team will work on a similar project with Leq'á:mel First Nations. We hope to contribute in mitigating the effects of extreme heat to vulnerable population of the City of Mission and the Leq'á:mel First Nation.

Jaime Clare, a Bachelor of Environmental Studies student, wrote a report last year called 'Casual Contamination: Chilliwack's Butt Problem' for a course and the idea was picked up by the City of Chilliwack as reported in The Chilliwack Progress. https://www.theprogress.com/news/recycling-bins-for-cigarette-butts-coming-to-downtown-chilliwack/. Jaime is very busy with multiple environment projects related to water quality, gender-based initiatives, as well as conservation of Oregon forest snail.

Dr. Lucy Lee, Dean has been busy with international outreach. She was invited to Korea and met with the President of Soongsil University. Possibilities of international collaboration and student exchange were discussed. She was then invited to Peru and met with representatives from the Montessori International School in Trujillo as they are very interested in sending students to UFV. She was also invited to present three seminars at various universities but due to the civil unrest in Peru, her trip was cut short, and they were cancelled. Her visiting student from Norway, **Mari Austad Brandt** returned to Norway after a 3 month stay at UFV. An abstract has been prepared from her work here and will be submitted to the Society for In Vitro Biology's annual meeting in Norfolk, Virginia.

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

Bols, N.C., Lee, L.E.J. and Dowd, G.C. (2023) Distinguishing between *ante factum* and *post factum* properties of animal cell lines and demonstrating their use in grouping ray-fined fish cell lines into invitromes. In Vitro Cell Dev Biol Anim (in press IVAN-D-22-00359R1)

Chong, G.L.W., Bohmert, B., Lee, L.E.J., Bols, N.C. and Dowd, G.C. (2022) A continuous myofibroblast precursor cell line from the tail muscle of Australasian snapper (*Chrysophrys auratus*) that responds to transforming growth factor beta and fibroblast growth factor. In Vitro Cell Dev Biol Anim 58: 922-935 https://doi.org/10.1007/s11626-022-00734-2

Qadri, S.M.T., Mirza, M.Q., Raja, A., Yaghmaei-Sabegh, S., Hakimi, M.H., Ali, S.H. and Khan, M.Y. (2023) Application of Probabilistic Seismic Hazard Assessment to Understand the Earthquake Hazard in Attock City, Pakistan: A Step towards (2003/17mk 12/57/601500 17m/17mk 12/57/601500 17