

### MSc in Environmental Science Showcase 2022

**First Year Students** – Orals (4 min.) on March 3, 2022 from 4-5:30 pm in S203

	LAST	FIRST	THESIS SUPERVISOR(S)	COMMITTEE MEMBERS	TITLE
1	Ajayi	Adetola	P. Tsigaris, L. Fraser	J. Wood	Invasive species on British Columbia's Grasslands: A Policy Valuation for Control
2	Bahroudi	Behnaz	L. Fraser	W. Gardner, T. Pypker, B. Lewis	Topsoil-Till Cover Depths: Influence on Hydraulic Infiltration Rates for Reclaimed Tailings Facilities
3	Callison-Hanna	Shesley	L. Fraser	W. Gardner, R. McCormick, D. Walkem	Planning for the Future Climate: Using Native Plant Species for Mining Reclamation
4	Doolaeege	Cassandra	J. Church	J. Urban, N. Ramroop Singh	Targeted metabolomic profiling to discover fertility biomarkers in seminal plasma and blood serum of beef bulls
5	Girard	Serena	M. Mehta	W. Gardner, C. Mason	Plant-Based Foods and Sustainability: Perceptions of Consumers and Stakeholders in British Columbia
6	Maslowski	Natalie	J. Harvey, K. Hoffman	M. Flannigan, L. Fraser	Ecological effects of repeat wildfires on Montane Forests in British Columbia
7	McKelvey	Veronica	K. Larsen	L. Isacc, D. Carlyle-Moses	The chamber of secrets; uncovering the overwintering dynamics of snakes
8	Modamori	Oluwayomi	M. Tawhid, E. Mohammed	M. Shaikh, Y. Yan	Deep Learning Model for Wildfire Prediction
9	Prudhomme	Alex	B. Heise	J. Sorensen, D. Carlyle-Moses	We dislike big bass and we cannot lie: predatory interactions and methods of suppression for invasive smallmouth bass in Riding Mountain National Park
10	Ragsdale	Lily	K. Larsen	W. Gardner, L. Isaac	Movement and survival of two at-risk snake species following a disturbance in the Lac du Bois grasslands
11	Sahebi	Shohreh	D. Hill	W. Gardner, M. Rahman	Multi-scale spatial image analysis for mapping Spotted Knapweed in grassland ecosystem
12	Sajid	Aida	P. Tsigaris	S. Barragan, T. Kading	Transformative Drivers of Environmental Sustainability in Contemporary Organizations: The Potential Impact of the Paris Agreement
13	Sepehri	Mehrdad	Y. Nec	R. Brewster, R. Kleiv	Controlling surface flux in landfill-well coupled flow in perforated horizontal wells
14	Shepherd	Leona	M. Flannigan	W. Gardner, J. Harvey	Altered fire regimes: Using models to investigate future wildfire potential in British Columbia
15	Spencer	Gillian	L. Fraser	J. Karakatsoulis, T. Pypker, J. Church	The post-harvest effect on the growth of Lodgepole pine ( <i>Pinus contorta</i> var. <i>latifolia</i> ) on the perimeter of harvested strips
16	Xiao	Meiyi	L. Fraser	W. Gardner, K. Donkor, L. Weber Ploughe	The use of biosolids to restore native plant communities in semi-arid grassland