

Alberta Conservation Association Grants

Competition Recipients 2023



ACA Grants in Biodiversity

PROJECT TITLE	AWARD	RECIPIENT (PROGRAM)	SUPERVISOR(S)	INSTITUTION
Bottom-up mechanisms affecting wood bison (<i>Bison bison athabascae</i>) summer habitat selection	\$16,650	Sebastian Buitrago Gutierrez (MSc)	Scott Nielsen	University of Alberta
Exploring interactive effects of melting glaciers and advancing tree lines on mountain lake ecosystems	\$15,200	Nora Dawson (MSc)	Rolf Vinebrooke	University of Alberta
Water boatman (Corixidae) and aquatic beetle (Coleoptera) community compositions and habitat associations in Edmonton's stormwater ponds	\$13,150	Olivia deBourcier (MSc)	Carol Frost & John Acorn	University of Alberta
Evaluating niche overlap between elk, bighorn sheep and reintroduced bison in Banff National Park	\$20,000	Jonathan Farr (MSc)	Mark Hebblewhite	University of Montana
Intraspecific variation in diurnal hypothermia in over-wintering black-capped chickadees (<i>Poecile atricapillus</i>)	\$15,450	Deborah Hawkshaw (PhD)	Kimberley Mathot	University of Alberta
Beyond mountain pine beetle: the influence of root-associated fungi on soil carbon sequestration	\$8,790	Nicole Lau (MSc)	Justine Karst	University of Alberta
Taxonomic, morphological and genetic relationship in two foundational prairie rough fescue grass species, <i>Festuca hallii</i> and <i>F. campestris</i>	\$6,650	Jenna LeBlanc (PhD)	Dawn Bazely	York University
Temporal scaling: Effects of light intensity and nutrient availability on variation in <i>Lemna minor</i> survival trajectories	\$15,550	Amanda Luzardo (MSc)	Robert Laird	University of Lethbridge
How does alpine terrain affect shrub distribution and abundance and its influence on species richness when interacting with early snowmelt and warmer temperatures?	\$18,250	Zachariah Madsen (MSc)	Scott Nielsen	University of Alberta
The impact of spatio-temporal agricultural diversification on beneficial predatory insects	\$19,450	Abbe Pawluk (MSc)	Robert Laird	University of Lethbridge
Total suspended solids impact on fish in the Bow River	\$19,200	Courtney Smith (MSc)	Mathilakth Vijayan	University of Calgary
Secret sowbugs: Investigating the diversity, distribution, symbionts, and routes of entry of terrestrial isopods (Isopoda: Oniscidea) in Alberta	\$7,372	Hannah Stormer (MSc)	Heather Proctor	University of Alberta
Effect of Cicer milkvetch (<i>Astragalus cicer</i> L.) on soil carbon, nutrient availability, and soil microbiome in mixed prairie grassland	\$16,000	Michele Tran (MSc)	Cameron Carlyle & Malinda Thilakarathna	University of Alberta
Improving monitoring tools to detect mountain pine beetles at low densities: investigating the role of fungal volatile chemicals in bark beetle attraction-field testing	\$19,200	Rashaduz Zaman (PhD)	Nadir Erbilgin	University of Alberta

TOTAL FUNDING	\$210,912
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