**Jackson R. Strand**

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**EDUCATION**

**MSc** **Montana State University**  2021-2024

Entomology

Department of Land Resources & Environmental Sciences

Committee: David Weaver (co-chair), Tracy Sterling (co-chair),

Robert Peterson

**BS** **University of Minnesota, Twin Cities** 2013-2017

Major: Biology

Minor: Marine Biology

**EMPLOYMENT**

**Pace Analytical- Onsite at 3M** – Regulatory IT Analyst 2017-2021

(Maplewood, MN)

* Provided digital support between 3M employees and the 3M Chemical Data Management System (CDMS).
* Integrated, tested, and supported user and data interface between CDMS and SAP.
* Generated, designed, and communicated unique, detailed reports of material information using SQL, Microsoft Excel, and SAP.

**Metropolitan Mosquito Control District** – Mosquito Inspector 2017

(Oakdale, MN)

* Worked on a team to collect and analyze mosquito larvae samples from wetland areas across the St. Paul metropolitan area.
* Independently maintained low adult mosquito populations in Oakdale, MN by surveying and treating both adults and larvae.

**Leatherdale Equine Center** – Barn Maintenance Crew 2015-2017

(St. Paul, MN)

* Maintained healthy conditions for equine patients at the University of Minnesota Horse Veterinary Center and Large Animal Hospital.
* Trained and managed new members of the crew.

**Minnesota Youth Soccer Association** – Referee 2010-2021

**HONORS & AWARDS**

**President’s Prize** **– 2nd Place** 2023

Entomology 2023, National Harbor, MD

Entomological Society of America

**Student Scholar Travel Award** ($500) 2023

College of Agriculture, Montana State University

**1st Place Speaker**, 2023 LRES GSO Colloquium 2023

LRES Graduate Student Organization, Montana State University

**Montana Grains Foundation Scholarship** ($2,500) 2022

Montana Grain Growers Association

**Professional Advancement Grant** ($500) 2021

The Graduate School, Montana State University

**SEMINARS & PRESENTATIONS**

Paper Presentations

1. Strand, J., Weaver, D.K. 2024. How smooth brome can be beneficial for parasitoids of the wheat stem sawfly. March Madness – Montana Wheat and Barley Committee. Montana State University, Bozeman, MT.
2. Sing, S.E., Ward, S.M., Peterson, R.K.D., Strand, J.R., Friesenhahn, E., Hofland, M., Hubbard, C.E., Randall, C.B., Weaver. D.K. 2024. Biological Control of Hybrid Toadflax: Insights from Chemical Ecology. Montana State University, Bozeman, MT.
3. Strand, J., D.K. Weaver, T. Sterling, R.K.D. Peterson. 2023. Using organic volatile compounds to assess the relationship between wheat stem sawfly, parasitoids, and smooth brome. Session: Grad Competition, Plant-Insect Ecosystems: Chemical Ecology 2. Annual Meeting of the Entomological Society of America, National Harbor, MD.
4. Strand, J., D.K. Weaver, T. Sterling, R.K.D. Peterson. 2023. The importance of smooth brome and parasitoids in wheat stem sawfly biocontrol. 2023 Land Resources and Environmental Sciences Graduate Student Organization Research Colloquium, Montana State University, Bozeman, MT.
5. Strand, J., Weaver, D.K., Sterling, T., Peterson, R.K.D. 2022. Using organic volatile compounds to assess the relationship between wheat stem sawfly, parasitoids, and smooth brome. Session: Grad Competition, Plant-Insect Ecosystems: Chemical Ecology 1. Annual Meeting of the Entomological Society of America, Vancouver, BC, Canada.
6. Strand, J.R., Weaver, D.K., Sterling, T., Peterson, R.K.D. 2022. Importance of parasitoids and smooth brome for integrated pest management of wheat stem sawfly. 2022 Land Resources and Environmental Sciences Graduate Student Organization Research Colloquium, Montana State University, Bozeman, MT.
7. Strand, J.R., Sterling, T., Weaver, D.K., 2022. Using organic volatiles to understand the impact of *Alternaria oxytropis* on locoweed physiology: E+/E-. Multistate Research Project Meeting, W2193, "Poisonous Plants: Impact, Ecology, and Management." Montana State University, Bozeman, MT.
8. Strand, J.R., Weaver, D.K., Sterling, T., Peterson, R.K.D. 2021. Importance of parasitoids and smooth brome for integrated pest management of wheat stem sawfly. Session: Plant Insect-Ecosystems: IPM – General. Annual Meeting of the Entomological Society of America, Denver, CO.

Workshops

1. Understanding the Wheat Stem Sawfly. 2022 Integrated Pest Management Workshop. Montana State University, Bozeman, MT.

**SERVICE**

Society Memberships

LRES Graduate Student Organization (Treasurer) 2021-present

Entomological Society of America 2021-present

Phi Kappa Phi 2021-present

Montana Grain Growers Association 2022-present

Volunteer

Southwest Montana Mountain Bike Association 2021-present

Gallatin Watershed Council 2021-present

Gallatin Valley Land Trust 2021-present  
Lake Elmo Regional Park Invasive Species Removal 2020-2021

**OTHER**

Races

**Dead Horse Ultra**, Moab, UT. November 18, 2023.

Distance: 50 M, time:

**John Colter Run**, Three Forks, MT. September 23, 2023.

Distance: 7.5 M, Time: 55.28

Age group: 21-30, 2nd place. 12th overall.

**Teton Mountain Runs**, Jackson, WY. July 16, 2023.

Distance: 50K, Time: 7:31:29

11th overall.

**Bangtail Divide 38K**, Bozeman, MT. July 1, 2023.

Distance: 38K, time: 4:04:07

25th overall.

**Expedition 12K**, Whitehall, MT. April 23, 2023.

Distance: 12K, time: 1:10:35

6th overall.

**Expedition 12K**, Whitehall, MT. October 2, 2022.

Distance: 12K, time: 1:06:59

6th overall.

**Crosscut 25K & 15K**, Bozeman, MT. July 23, 2022.

Distance: 25K, time: 2:17:33

17th overall.

**Copper City Trail Runs**, Three Forks, MT. June 19, 2022.

Distance: 15K, time: 1:10:47

2nd overall.

**Thanksgiving Day Half**, Lehi, UT. November 25, 2021.

Distance: 13.1 M, time: 1:58:07

**Twin Cities Marathon**, Minneapolis, MN. October 1, 2017.

Distance: 26.2 M, time: 3:35:55