

## **Jackson R. Strand**

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## **EDUCATION**

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<b>MSc</b>	<b>Montana State University</b> Entomology Department of Land Resources & Environmental Sciences Committee: David Weaver (co-chair), Tracy Sterling (co-chair), Robert Peterson	2021-2024
<b>BS</b>	<b>University of Minnesota, Twin Cities</b> Major: Biology Minor: Marine Biology	2013-2017

## **EMPLOYMENT**

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<b>Pace Analytical- Onsite at 3M</b> - Regulatory IT Analyst (Maplewood, MN)	2017-2021
<ul style="list-style-type: none"><li>• Provided digital support between 3M employees and the 3M Chemical Data Management System (CDMS).</li><li>• Integrated, tested, and supported user and data interface between CDMS and SAP.</li><li>• Generated, designed, and communicated unique, detailed reports of material information using SQL, Microsoft Excel, and SAP.</li></ul>	
<b>Metropolitan Mosquito Control District</b> - Mosquito Inspector (Oakdale, MN)	2017
<ul style="list-style-type: none"><li>• Worked on a team to collect and analyze mosquito larvae samples from wetland areas across the St. Paul metropolitan area.</li><li>• Independently maintained low adult mosquito populations in Oakdale, MN by surveying and treating both adults and larvae.</li></ul>	
<b>Leatherdale Equine Center</b> - Barn Maintenance Crew (St. Paul, MN)	2015-2017

- 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

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<b>President's Prize - 2<sup>nd</sup> Place</b>	2023
Entomology 2023, National Harbor, MD	
Entomological Society of America	
<b>Student Scholar Travel Award (\$500)</b>	2023
College of Agriculture, Montana State University	
<b>1<sup>st</sup> Place Speaker</b> , 2023 LRES GSO Colloquium	2023
LRES Graduate Student Organization, Montana State University	
<b>Montana Grains Foundation Scholarship (\$2,500)</b>	2022
Montana Grain Growers Association	
<b>Professional Advancement Grant (\$500)</b>	2021
The Graduate School, Montana State University	

## SEMINARS & PRESENTATIONS

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### 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**

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### 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

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### 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, 2<sup>nd</sup> place. 12<sup>th</sup> overall.

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

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

11<sup>th</sup> overall.

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

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

25<sup>th</sup> overall.

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

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

6<sup>th</sup> overall.

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

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

6<sup>th</sup> overall.

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

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

17<sup>th</sup> overall.

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

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

2<sup>nd</sup> 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