**Andrew H. Morris** ***Curriculum vitae***

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| Education | Ph.D. **University of Oregon**, Biology | Expected 2021 |
| | M.S. **Penn State University**, Soil Science | 2017 |
| | B.S. **Cornell University**, Plant Sciences | 2014 |
| Research Appointments | **NSF Graduate Research Fellow** | 2016 to present |
| | **ARCS Scholar** | 2017-2019 |
| | **Graduate Employee**, University of Oregon | 2017-2019 |
| | **Graduate Research Assistant**, Penn State University | 2015-2017 |
| | **Research Assistant**, University of Delaware | 2015 |

## Publications

1. Meyer, K. M., Hopple, A. M., Klein, A., **Morris, A.H.**, Bridgham, S. D., Bohannan, B. J. M. 2020. "Community structure–ecosystem function relationships in the Congo Basin methane cycle depend on the physiological scale of function." *Molecular Ecology.* doi:10.1111/mec.15442
2. **Morris, A. H.**, Meyer, K. M., Bohannan, B. J. M. 2020. "Linking microbial communities to ecosystem functions: what we can learn from genotype-phenotype mapping in organisms" *Philosophical Transactions of the Royal Society B.* doi:10.1098/rstb.2019.0244
3. Seyfferth, A. L., **Morris, A. H.**, Gill, R., Kearns, K. A., Mann, J. N., Paukett, M., and Leskanic, C. 2016. "Soil-incorporation of silica-rich rice husk decreases inorganic As in rice grain." *Journal of Agricultural and Food Chemistry*, 64(19):3760–3766 doi:10.1021/acs.jafc.6b01201

## Submitted

1. **Morris, A. H.**, Isbell, S. A., Saha, D., and Kaye, J. P. "Mitigating nitrogen pollution with undersown legume-grass cover crop mixtures in winter cereals" In review at *Journal of Environmental Quality*
2. Isbell, S. A., Bradley, B. A., **Morris, A. H.**, Wallace, J. M., Kaye, J. P. "Nitrogen dynamics in grain cropping systems integrating multiple ecologically based management strategies" In review at *Ecosphere*
3. Meyer, K. M., **Morris, A. H.**, Webster, K., Klein, A., Kroegerv, M. E., Meredith, L. K., Brndholt, A., Nakamurat, F., Venturinit, A., Fonseca de Souzat, L., Shek, K. L., Danielson, R., van Haren, J., Barbosa de Camargot, P., Tsait, S. M., Dini-Andreote, F., Nsslein, K., Saleska, S. R., Rodrigues, J. L. M., Bohannan, B. J. M. "Belowground changes to community structure alter methane-cycling dynamics in Amazonia" In review at *ISME Journal*

## In Prep

1. **Morris, A. H.**, Bohannan, B. J. M. "Artificial ecosystem selection on soil methane oxidation reveals complex mapping between microbial community structure and ecosystem function"

## Awards

University of Oregon, Graduate School

- General University Scholarship 2018
- William R. Sistrom Memorial Scholarship 2018
- Oregon ARCS Scholar 2017

The Pennsylvania State University, Graduate School

- Distinguished Master's Thesis Award 2017
- NSF Graduate Research Fellowship Award 2016
- Annie's Sustainable Agriculture Scholarship 2016
- Scarlet Graduate Fellowship in Watershed Stewardship Award 2015
- Katherine Mabis McKenna Fellowship Award 2015

Cornell University and Ithaca College, Undergraduate

- Hatch/Multistate Grant 2013
- Flora Brown Award 2010

## Presentations and Posters

- **Morris, A. H.**, Isbell, S., Kaye, J. Improving nitrogen retention of agroecosystems using interseeded cover crops. Ecological Society of America. Portland, OR. 2017
- **Morris, A. H.**, Isbell, S., Kaye, J. Mitigating nitrogen pollution by interseeding cover crops into spelt. Sustainable Agriculture Cropping Systems Symposium. State College, PA. 2017
- **Morris, A. H.**, Kaye, J. P. Managing Inter-Seeded Cover Crops and Tillage to Decrease Nitrate Leaching and Nitrous Oxide Emissions from Agricultural Soils. Soil Science Society of America Meeting. Phoenix, Arizona. 2016
- **Morris, A. H.**, Isbell, S., Kaye, J. Kemanian, A. Managing cover crops and tillage to decrease nitrogen pollution from organically managed soils in Pennsylvania. Sustainable Agriculture Cropping Systems Symposium. State College, PA. 2016
- Isbell, S. and **Morris, A. H.**. Nitrogen dynamics in cover crop-based reduced tillage cropping systems. Rodale Institute U.S.-Argentina Travel Program. Russell E. Larson Agricultural Research Center, Rock Springs, PA. May 2016
- Saha, D. and **Morris, A. H.**. Unraveling the interactive controls of tillage, residue, and manure additions on nitrous oxide emissions in grain and silage systems. Rodale Institute U.S.-Argentina Travel Program. Russell E. Larson Agricultural Research Center, Rock Springs, PA. May 2016
- **Morris, A. H.** Greenhouse gases in the Reduced-Tillage Organic Systems Experiment (ROSE). ROSE Annual Advisory Board Meeting. Pine Grove Mills, PA. Jan. 2016
- Seyfferth, A. L., **Morris, A. H.**, Kearns, K., Mann, J., Teasley, W., Limmer, M., Amaral, D.. Impacts of Increased Soil Si on Fe Mineral Composition and As Cycling in Rice Paddies. Soil Science Society of America Meeting. Minneapolis, Minnesota. 2015
- Teasley, W, Seyfferth, A. L., **Morris, A. H.**, Johansson, A. The Effect of Si Amendments on As Accumulation and Greenhouse Gas Emissions in Rice (Oryza sativa L). Soil Science Society of America Meeting. Minneapolis, Minnesota. 2015

## Teaching Appointments

Faculty, Juneau Icefield Research Program: Geobotany and Ecology 2018
Guest Lecture, Evolutionary Processes: Ecology and Evolution 2018
Teaching Assistant, University of Oregon: Ecology and Evolution 2018
Teaching Assistant, University of Oregon: Genetics and Molecular Biology 2018
Teaching Assistant, University of Oregon: Cells 2017
Instructor, Penn State University: Impacts of Changing Hydrology on Ecosystem Services in Glacial Systems 2017
Teaching Assistant, Penn State University: Soil Science 2017