

IDENTIFYING INFORMATION:

NAME: Moore, John C

POSITION TITLE: Professor

PRIMARY ORGANIZATION AND LOCATION: Colorado State University, Fort Collins, Colorado, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
Colorado State University, Fort Collins, Colorado, United States	MS	05/1996	Statistics
Colorado State University, Fort Collins, Colorado, United States	PHD	03/1986	Zoology and Entomology
Michigan State University, East Lansing, Michigan, United States	MS	12/1981	Zoology
University of California - Santa Barbara, Santa Barbara, California, United States	BA	03/1978	Zoology

Appointments and Positions

2006 - present Professor, Colorado State University, Fort Collins, Colorado, United States

1991 - 2006 Assistant Professor - Professor, University of Northern Colorado, Greeley, Colorado, United States

1990 - 1992 Instructor, University of Colorado, Boulder, Colorado, United States

1989 - 1990 Instructor, University of Wyoming, Laramie, Wyoming, United States

1988 - 1988 Research Scientist, Institute for Soil Fertility, Haren, Not Applicable, N/A, Netherlands

1986 - 1991 Research Scientist, Colorado State University, Fort Collins, Colorado, United States

Products**Products Most Closely Related to the Proposed Project**

1. Gutesell M, McCann K, O'Connor R, KC K, Fraser ED, Moore JC, McMeans B, Donohue I, Bieg C, Ward C, Pauli B, Scott A, Gilliam W, Gedalof Z, Hanner RH, Tunney T, Rooney N. The productivity-stability trade-off in global food systems. Nature Ecology and Evolution. 2024 September 03; 8:2135. Available from: <https://doi.org/10.1038/s41559-024-02529-y>
2. Sistla SA, Moore JC, Simpson RT, Gough L, Shaver GR, Schimel JP. Long-term warming restructures Arctic tundra without changing net soil carbon storage. Nature. 2013; 497:615-618.
3. Moore JC. The re-imagining of a framework for agricultural land-use: A pathway for integrating agricultural practices into ecosystem services, planetary boundaries, and sustainable development goals. Ambio. 2021; 50:1295-1298.
4. Rooney N, McCann K, Gellner G, Moore JC. Structural asymmetry and the stability of diverse

food webs. *Nature*. 2006; 442:265-269.

5. Moore JC. Predicting tipping points in complex environmental systems. *Proceedings of the National Academy of Sciences of the United States of America*. 2018 January; 115:635-636. Available from: doi:10.1073/pnas.1721206115.

Other Significant Products, Whether or Not Related to the Proposed Project

1. Jin H, van Rijn P, Moore JC, Bauer MI, Pressler Y, Yestness N. A validation framework for science learning progression research. *International Journal of Science Education*. 2019; 41(10):1324-1346. Available from: doi:10.1080/09500693.2019.1606471.
2. Gunckel KL, Covitt BA, Berkowitz AR, Caplan B. Intertwining three dimensions in a learning progression. *Journal of Research in Science Teaching*. 2022; 59:1169-1203. Available from: DOI: 10.1002/tea.21755
3. Rahm J, Moore JC. A case study of long-term engagement and hybrid positioning: Insights into the STEM pathways of underrepresented youth. *Journal of Research in Science Teaching*. 2016; 53:768-801. Available from: doi:10.1002/tea.21268
4. Covitt BA, Gunckel KL, Berkowitz AR, Woessner WW, Moore JC. Employing a groundwater contamination learning experience to build proficiency in computational modeling for environmental science literacy. *Journal of science education and technology*. 2024; 33:228-250. Available from: <https://doi.org/10.1007/s10956-023-10062-z>
5. Moore JC, Boone R, Koyama A, Holfelder K. Enzymatic and detrital influences on the structure, function, and dynamics of spatially-explicit model ecosystems. *Biogeochemistry*. 2014; 117:205-227.