

Janet McCray (Batzli), PhD
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APPOINTMENTS

Emeritus Distinguished Teaching Faculty	Biology Core Curriculum	2023- present
	University of Wisconsin- Madison	
Director & Distinguished Teaching Faculty	Biology Core Curriculum	2019- 2023
	University of Wisconsin, Madison	
Associate Director & Faculty Associate	Biology Core Curriculum	2002- 2019
	University of Wisconsin, Madison	
Director & co-Founder	Madison Teaching and Learning Excellence	2011-14
	University of Wisconsin, Madison	
Assistant Professor (NTT)	Plant Biology & Lyman Briggs School	
	Michigan State University, East Lansing	2001-2002
Visiting Assistant Professor	Dept. Plant Biology	1998 -1999
	University of Illinois, Urbana-Champaign	

EDUCATION

Michigan State University, East Lansing Science Education	Postdoc, 2001
University of Illinois, Urbana-Champaign Plant Science	Ph.D., 1998
<i>Physiological and Morphological Responses of Nitrogen-Fixing Red Alder (Alnus rubra) and Sitka Alder (Alnus viridis ssp sinuata) to Flooding: Inter- and Intraspecific comparisons (advisor: Jeffrey Dawson)</i>	
University of Maryland, College Park Horticulture	M.S. 1991
<i>Indigenous Rhizobial Diversity of Robinia pseudoacacia L., and Nodulation Studies of Maackia amurensis and Sophora japonica (advisor: William Graves)</i>	
University of Wisconsin- Madison Horticulture	B.S. 1987

TEACHING*Instructor of Record*

Ecology, Evolution & Genetics (Biocore 382- fall) (~112) UW Madison	2002- 22
Cellular Biology Laboratory (Biocore 384- spring) ~112) UW Madison	2003- 23
Peer Mentor Training Seminar (Biocore 401) (~20) UW Madison	2004- 22
Teaching Practicum for Postdocs in Biology Education UW Madison	2016- 23
Becoming a Scientist: Doing Biology Research (Biocore 181) (~20) UW Madison	2019- 21
Inquiry-based Learning in the College Classroom (grad seminar ~15) UW Madison	2018
Entering Research Seminar (Biology 375) (~12) UW Madison	2006- 07
Introductory Organismal Biology (LBS 144) (~200) Michigan State University	1999- 02
Introductory Biology (100/101) (~400) University of Illinois- Urbana/Champaign	1998- 99

Graduate Teaching Assistant | University of Illinois- Urbana/Champaign 1992-98

Introductory Plant Biology (3 semesters), **General Biology** (3 semesters), **Forest Biology** (1 semester), **Tree Physiology** (1 semester)

CONSULTING

Center for Teaching, Learning, and Mentoring Scholarship of Teaching & Learning Consultant	2025
• Workshop leader for faculty and academic staff pursuing SOTL • Conducted interviews and compiled report on history (~1990-2025) of SOTL at UW Madison	
UW International Projects Office Accreditation Educational Consultant	2023-24
• UW representative and educational consultant to Nazarbayev University, Kazakhstan • Program review for Biology Department in preparation for ABET accreditation • Compiled report and presentation for college Dean and NU Provost	
UW International Projects Office Science Communication Educational Consultant	2018
• UW representative and educational consultant to Nazarbayev University, Kazakhstan	

- Consultant for Writing Center science communication program managers
- Curriculum development workshop leader and faculty professional development consultant
- University of Colorado, Boulder** | Assessment Consultant 2015-17
 - Reviewed assessment questions and provided external validation for a new assessment tool, Genetic Concept Assessment concept inventory (PI Jennifer Knight)
- Madison Teaching and Learning Excellence** | Director & co-Founder 2011-14
 - Program development of cohort-based professional development program in teaching for pre-tenure faculty
 - Curriculum development and workshop leader on backward design, active learning, written and oral communication assignment design, collaborative learning, place-based learning
 - Teaching mentor and peer reviewer for pre-tenure faculty
- University of Copenhagen, Denmark** | Faculty Professional Development Consultant 2013
 - UW representative, advisor, and external consultant for creation of a U Copenhagen Teaching Academy
- FIRSTIV: Faculty Institutes for Reforming Science Teaching** | Regional Team Leader 2008-13
 - Summer Retreat Workshop leader (NSF-DUE 618501 D. Ebert-May (PI), Terry Derting (co-PI))
 - Academic year teaching mentor for ~40 postdoctoral fellows
- Kuwait University, Kuwait City** | Faculty Professional Development Teaching Consultant 2007
 - Workshop leader for faculty retreat focused on active learning pedagogy

SELECTED (5) SCIENCE EDUCATION PUBLICATIONS

1. **McCray Batzli, J.**, Lindroth, R. 2025. *Principles of Science for the Practice of Life- The Raised Hand* <https://theraisedhand.substack.com/p/principles-of-science-for-the-practice>
2. **Batzli, Janet M.**, Harris, M.A., Lee, D., Horn, H.A. 2022. *Feedback and discourse as a critical skill for the development of experimentation competencies*. In: Pelaez, N.J., Gardner, S.M., Anderson, T.R. (eds) Trends in Teaching Experimentation in the Life Sciences. Contributions from Biology Education Research. Springer, Cham. https://doi.org/10.1007/978-3-030-98592-9_12
3. **Batzli, Janet**, Knight, J., Hartley, L., Maskiewicz A., and Desy B. 2016. *Crossing the Threshold: Bringing Biological Variation to the Foreground*. CBE Life Science Education 15(4) DOI:10.1187/cbe.15-10-0221
4. **Batzli, Janet M.** 2005. *A unique approach? Four semesters of Biology Core Curriculum*. CBE-Life Science Education vol 4: 125-128.
5. Ebert-May, Diane, **Batzli, J.M.**, and Lim, H. 2003. *Disciplinary Research Strategies for Assessment of Learning*. Bioscience 53(12): 1221-1228.

SELECTED (5) BIOLOGY RESEARCH PUBLICATIONS (peer reviewed)

1. Imsande, Kalynn, **Batzli, J.** 2022. *Additional green light induces shade response symptoms in Brassica rapa as evidenced by increased lateral root spread*. micropublication Biology [10.17912/micropub.biology.000723](https://doi.org/10.17912/micropub.biology.000723)
2. **Batzli, Janet M.**, Zimpfer, J. F., Huguet, V., Fernandez, M. P., and Dawson, J. O. 2004. *Nodular symbionts of Shepherdia, Alnus and Myrica from a sand dune ecosystem: Ecological variation of root-nodulation capacity of soil-borne Frankia*. Can. J. Botn. 82: 700-709
3. **Batzli, Janet M.** and J. O. Dawson. 1999. *Development of flood-induced nodule lenticels on red alder during the restoration of nitrogenase activity*. Can. J. Bot. 77:1-5.
4. **Batzli, Janet M.** and J. O. Dawson. 1997. *Physiological and morphological responses of red alder and sitka alder to flooding*. Physiologia Plantarum 99: 653-663.
5. **Batzli, Janet M.**, W. R. Graves, and P. van Berkum. 1992. *Diversity among rhizobia effective with Robinia pseudoacacia L.* Appl. Environ. Microbiol. 58 (7): 2137-2143.

SELECTED CURRICULUM PRODUCTS and REPORTS

1. **Batzli, J.**, Harris, M. 2020. *Process of Science Companion PressBook: Scientific Writing*. <https://wisc.pb.unizin.org/biocorewriting/>
2. **Batzli, J.** and Bethke, P. 2020. [Biocore Self-Study for Biocore Program Review Committee](#).