

Katie Lenore Monsen
Environmental Studies
University of California, Santa Cruz
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Education

Ph.D. (Environmental Studies) 2008

Department of Environmental Studies, University of California, Santa Cruz (Santa Cruz, CA)
Dissertation: Managing nitrogen in organic vegetable agroecosystems on California's Central Coast

M.S. (Ecology and Evolutionary Biology) 2001

Department of Botany, Iowa State University (Ames, IA)
Thesis: Small-scale spatial patterns of vegetation on remnant tallgrass prairies in southern Iowa

B.A. (Biology, emphasis in Chemistry, minor in Printing & Publishing), cum laude 1996

Pacific Lutheran University (Tacoma, WA)

Selected teaching experience

University of California, Santa Cruz

Department of Environmental Studies 2001-21

Continuing lecturer

Evaluated for teaching excellence, attaining Continuing Lecturer title as of April 2017

- ENVS 91F & 191F Community and Agroecology Seminar 2010, 12, 13
- ENVS 130A/L Agroecology & Sustainable Agriculture and Lab 2019-20
- ENVS 133 Agroecology Practicum (during summer & academic year) 2009-21
Special themes in ENVS 133 include Urban Agriculture (2014), Irrigation (2014), and Climate Change (2015)
- ENVS 167 Freshwater and Wetland Ecology 2009, 2012-19
- ENVS 167L Freshwater and Wetland Ecology Lab 2012-19
- ENVS 170 Agriculture & Climate Change 2016-21
- ENVS 184 Environmental Studies Internship (faculty sponsor for all 2-unit internships) 2012-21

Rachel Carson College

Lecturer & guest lecturer

- CLEI 150A Sustainability Praxis 2014-17
- Faculty sponsor*
- CLEI 90 Garden Internship 2015-19

Department of Electrical & Computer Engineering 2009-19

Lecturer

- ECE 80S Sustainability Engineering and Ecological Design 2009-19
- Part of the interdisciplinary SEED curriculum developed under NSF Science, Technology, Engineering, and Mathematics program funding*

Center for Innovation in Teaching and Learning

Transforming STEM Teaching Faculty Learning Program campus lead 2018-20

I worked with the Center for Innovation in Teaching and Learning at UCSC to lead two cohorts of 12 participating faculty each from UCSC and local community colleges through the program, after completing the program myself. Each year I co-led an introductory 2-day workshop and led online discussions, working with two other lecturers and the CITL staff.

Center for Agroecology & Sustainable Food Systems

Curriculum reviewer & reviser

2005, 13-14

Reviewed course content on the environmental effects of agriculture for a standardized curriculum for use in undergraduate-level sustainable agriculture courses, then revised organization and content based on feedback on and my own experience teaching with the materials

Selected funding

Western Sustainable Agriculture Research and Education (WSARE), \$10,000

2006-07

Graduate student grant: Understanding N fixation by legume cover crops in organic vegetable systems

USDA Cooperative State Research, Education, and Extension Service, \$571,902

2005-08

Grant: Improving fertility and pest management strategies for organic crop production and strengthening researcher/grower networks (*I was the primary student involved with developing, writing, and submitting the grant application with several faculty & staff researchers*)

US Environmental Protection Agency, \$20,000

2002

Environmental Justice grant, awarded with the Agricultural Land-Based Training Association

Selected publications

Hilimire, K., S. Gillon, B. McLaughlin, B. Dowd-Urbe, and **K.L. Monsen**. 2014. Food for thought: developing curricula for sustainable food systems education programs. *Agroecology & Sustainable Food Systems* 38: 722-743.

Muramoto, J., S.R. Gliessman, C. Shennan, T. Pisani Gareau, **K.L. Monsen**, S. Pedersen, M.P. Bolda, O. Daugovish, C.T. Bull, C. Li, J. Leap, D. Nieto, J. Bryer, S.T. Koike, R.F. Smith, M. Gaskell, K. Klonsky, W. Salas, and G.J.M. Oomen. 2013. The organic research network project on the central coast of California. *Acta Hort. (ISHS)* 1001:35-45.

Monsen, K.L. 2010. Agroecology. *in* Green food: An A-Z guide (D. Mulvaney, ed.). SAGE Reference Series on Green Society: Toward a Sustainable Future. SAGE Publications.

Monsen, K.L. 2010. Cover crops. *in* Green food: An A-Z guide (D. Mulvaney, ed.). SAGE Reference Series on Green Society: Toward a Sustainable Future. SAGE Publications.

Academic service

Global Food Initiative, University of California Office of the President

Research catalog subcommittee, co-chair

2014-17

With co-chair and paid staff, have been developing the research trajectory and overseeing the research and compilation of a catalog showcasing the UC's involvement in advancing sustainable food systems research

UC GFI representative for Congressional briefing

2016

One of four GFI representatives to present the initiative's work to Congressional delegates, working through the UC Office of Federal Relations.

Professional association activity

Sustainable Agriculture Education Association

Sustainable Agriculture Educational Materials Database Committee,

2006-12