

Kari Finstad

130 Mulford Hall, Berkeley, CA 94720

Phone: (510)643-6910

email: karifinstad@berkeley.edu

EDUCATION

University of California, Berkeley Berkeley, CA
Ph.D. Geochemistry and Geomicrobiology Expected 2016
Advisor: Ronald Amundson

B.A. Environmental Earth Science (High Honors) 2009
Thesis title: *Geochemical Climate Reconstructions at Brooks Island Shell Mound*
Advisor: B. Lynn Ingram

University of California, Davis Davis, CA
Soils of California, 5 week field course Summer 2011

Macquarie University Sydney, Australia
Earth & Planetary Sciences Department Study Abroad Program 2008

FELLOWSHIPS & AWARDS

Carolyn Meek Memorial Scholarship 2015 – 2016
College of Natural Resources, UC Berkeley

Doctoral Dissertation Improvement Grant 2014 – 2016
Division of Environmental Biology, NSF

Outstanding Graduate Student Instructor Award 2015
UC Berkeley

Ecosystem Sciences Summer Grant 2015
Environmental Science, Policy and Management Department, UC Berkeley

First place, graduate student oral presentation 2014
Soil Science Society of America

NASA Earth and Space Sciences Fellowship 2011 – 2014
Planetary Science Division, NASA

Ramsden Research Fellowship 2008
Earth and Planetary Science Department, UC Berkeley

The Leadership Award 2005
Alumni Association – UC Berkeley

PROFESSIONAL EXPERIENCE

Graduate Student Research Symposium Organizer 2015
Environmental Science, Policy and Management Department, UC Berkeley

Conference Planning Committee Chair 2014 – 2015
Expanding Your Horizons Network, Berkeley chapter

Graduate Student Instructor 2014
ESPM 2 – The Biosphere, UC Berkeley

Graduate Student Researcher <i>Amundson Laboratory, UC Berkeley</i>	2010 – 2011
Research Associate <i>Amundson Laboratory, UC Berkeley</i>	2009 – 2010
Research Associate <i>Laboratory for Environmental and Sedimentary Isotope Geochemistry, UC Berkeley</i>	2008 – 2009

PUBLICATIONS

Finstad, K., Pfeiffer, M., and Amundson, R. 2014. *Hyperarid soils and the Soil Taxonomy*. Soil Science Society of America Journal, vol. 78(6), pp. 1845-1851.

Oerter, E., **Finstad, K.**, Schaefer, J., Goldsmith, G., Dawson, T., and Amundson, R. 2014. *Oxygen isotope fractionation effects in soil water via interaction with cations (Mg, Ca, K, Na) adsorbed to phyllosilicate clay minerals*. Journal of Hydrology, vol. 515, pp. 1-9.

Finstad, K., Ingram, B.L., Schweikhardt, P., Lightfoot, K., Luby, E., and Coles, G. 2013. *New insights about the construction and use of shell mounds from the geochemical analysis of mollusks: an example from the greater San Francisco Bay*. Journal of Archaeological Science, vol. 40(6), pp. 2648-2658.

PRESENTATIONS

Finstad, K., McNicol, G., Pfeiffer, M. and Amundson, R. 2014. *Stabilization of desert surfaces and accumulation of dust under biological soil crusts*. American Geophysical Union fall meeting, poster presentation.

Brooks, P., Sutka, R., Hughes, S., Mambelli, S., **Finstad, K.**, Pakes, M.J., and Dawson, T. 2014. *Simultaneous Analysis of N, C and S Stable Isotopes and Concentrations in Organics and Soils*. American Geophysical Union fall meeting, poster presentation.

Finstad, K., Pfeiffer, M., and Amundson, R. 2014. *Hyperarid soils and the Soil Taxonomy*. Soil Science Society of America meeting, oral presentation.

Finstad, K., Piceno, Y., Andersen, G., and Amundson, R. 2014. *Microbial community dynamics in salt crusts of the hyperarid Atacama Desert*. Complex Soil Systems conference, poster presentation.

Finstad, K., and Amundson, R. 2013. *The formation of extremophile habitats in dried lakebeds of the hyperarid Atacama Desert*. American Geophysical Union fall meeting, poster presentation.

Oerter, E., **Finstad, K.**, Schaefer, J., Goldsmith, G., Dawson, T., and Amundson, R. 2012. *Oxygen Isotope Fractionation Effects in Soil Water via Cations Adsorbed to High-CEC Clay*. American Geophysical Union fall meeting, poster presentation.

OUTREACH & SERVICE

Bay Area Scientists in Schools Volunteer science teacher in local elementary schools	2013 – Present
Expanding Your Horizons Network Conference organizing committee	2010 – Present

Women in Science, UC Berkeley Member	2010 – Present
Cal NERDS Undergraduate student mentor	2013
Emerson Elementary School Volunteer math tutor	2010 – 2011
Berkeley Student Cooperatives Environmental health education manager	2009 – 2011

AFFILIATIONS

American Geophysical Union

Association for Women Geoscientists

Soil Science Society of America