

Nicole (Nikki) Fiore

nmfiore@uci.edu

<https://sites.uci.edu/fiore/>

Instagram: @theplantguru

EDUCATION

Ph.D, University of California Irvine 2016-present
Earth System Science

M.S., University of California Irvine 2019
Earth System Science

B.A., University of California Santa Cruz 2009-2013
Environmental Studies and Biology

RESEARCH INTERESTS

Terrestrial ecology and biogeochemical cycles, with a specific focus on understanding how climate change and disturbance impact ecosystem function and services.

FELLOWSHIPS

Ridge to Reef Graduate Fellowship, UCI
2020-2021, \$34,000

Ridge to Reef Graduate Fellowship, UCI
2018-2019, \$34,000

Chancellor's Undergraduate Internship Program Fellowship, UCSC
2011-2012, \$8,200

PUBLICATIONS

Fiore, N.M., Goulden, M., Czimczik, C.I., Pedron, S.A., and Tayo, M. (2020) Do recent NDVI trends indicate boreal forest decline? *Environmental Research Letters*, Volume 15, Number 9.

PRESENTATIONS

Fiore, N.M., Goulden, M., Czimczik, C.I., Pedron, S.A., and Tayo, M. (2019) “Do recent NDVI trends indicate boreal forest decline?” Poster presentation at NASA Arctic-Boreal Vulnerability Experiment Team Meeting 2019.

Fiore, N.M., Goulden, M., Czimczik, C.I., Pedron, S.A., and Tayo, M. (2018) “Composition and structure of browning and greening forests in interior Alaska.” Poster presentation at AGU Fall Meeting.

Fiore, N.M., Goulden, M. (2018) “Building connections with land managers to promote ecosystem services in Southern California.” Poster presentation at NSF Research Traineeship (NRT) Annual Meeting.

Fiore, N.M., Czimczik, C.I., Pedron, S.A., Elder, C.D., and Goulden, M. (2018) “Forest composition, structure and productivity of browning and greening forests in Interior Alaska.” Poster presentation at NASA Arctic-Boreal Vulnerability Experiment Team Meeting 2018.

Fiore, N.M., Goulden, M. (2017) “Towards optimizing land management for carbon sequestration and other ecosystem services in the face of climate change.” Poster presentation at UCI Environmental Research Symposium.

RESEARCH EXPERIENCE

Goulden Lab, UCI Department of Earth System Science Irvine, CA.

Graduate Student Researcher, 2016-present

- Evaluated the response of above and belowground carbon pools to drought, added precipitation, and nitrogen deposition in a large scale, long term experiment in Mediterranean shrub and grassland ecosystems.
- Examined the effects of fire and succession on satellite-derived NDVI in Alaskan boreal forests by combining field data with remote sensing.
- Mentored and managed over 15 undergraduate interns and volunteers, and 2 citizen science volunteers.

National Audubon Society Starr Ranch Trabuco Canyon, CA.

Restoration and Invasive Species Control Technician, 2013-2015

- Conducted research-based invasive species control and native restoration in the riparian corridor of a 4,000 acre reserve.
- Mapped and tracked invasive spread using GIS.
- Designed and implemented climate-smart restoration practices.
- Led over 30 all-ages volunteer events, and 10 environmental education days for kids.

UCSC Sinervo Behavioral Ecology Lab Santa Cruz, CA.

Animal Husbandry Intern, 2013

- Investigated behavioral ecology and response to climate change in western side blotched lizards.
- Processed and handled ~200 gravid female lizards, collected eggs, hatched juveniles, and collected data on hatchlings.

UCSC Small Mammal Research Lab Santa Cruz, CA.

Small Mammal Research Intern, 2012-2013

- Investigated habitat stratification and population dynamics of small mammals.
- Assisted in ~10 field trappings, collected data, entered data, and analyzed statistics.

EDUCATION AND OUTREACH EXPERIENCE

Department of Earth System Science, UCI Irvine, CA

Teaching Assistant, 2016- Present

Ridge to Reef-Department of Ecology and Evolutionary Biology, UCI Irvine, CA

Instructor, 2019

Fusion Academy Mission Viejo, CA

High School Math and Science Teacher, 2016

ABC Idiomas Porto Alegre, Brazil

English as a Second Language Instructor, 2015

UCSC Provost's Sustainability Internship Program Santa Cruz, CA

Program and Teaching Assistant, 2012-2013

UCSC Chancellor's Undergraduate Internship Program Santa Cruz, CA

Education and Outreach Coordinator, 2011-2012

COMMITTEES, COUNCILS, AND VOLUNTEER WORK

Diverse Educational Community and Doctoral Experience, UCI Volunteer, 2017- present

Ridge to Reef Leadership Council, UCI Council Leader, 2018-2019

Sinal do Vale Global Learning Center, Brazil Reforestation Volunteer, 2013

Fazenda Samambaia, Brazil Plant Identification Volunteer, 2013

UCSC Chancellor's Executive Committee on Climate Change Council Member, 2012-2013

UCSC Carbon Fund Grant Council Council Member, 2012-2013

UCSC Campus Sustainability Council Council Member, 2011-2012

UCSC Student Environmental Center Intern, 2010-2011