

SABA J. SABERI

Curriculum vitae

School of Environmental and Forest Sciences
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EDUCATION

- 2022 -** **Ph.D.** Ecology, University of California, Davis
- 2017- 2019 **M.S.**, Environmental and Forest Sciences, University of Washington
Advisor: Brian J. Harvey
Thesis: Quantifying burn severity across disturbance gradients using a combination of field measures and remote sensing indices
- 2013- 2017 **B.S.**, Environmental Science, University of California, Berkeley, *cum laude*
Honors Thesis: Remote Sensing of global lake primary productivity

PROFESSIONAL POSITIONS HELD

- 2020- 2022 Research Scientist 2, Forest Resilience Lab, University of Washington, School of Environmental and Forest Sciences
- 2017 - 2019 Graduate Research Assistant, University of Washington, School of Environmental and Forest Sciences
- 2013- 2017 Undergraduate Research Assistant, University of California, Berkeley, Dept. of Environmental Science, Policy, and Management
- 2016-2017 National Science Foundation Research Experiences for Undergraduates (REU) Fellow, Cary Institute of Ecosystem Studies, Millbrook, NY
- 2016-2017 Student Curator, Vertebrate Collections, University of California Museum of Paleontology

PUBLICATIONS

Saberi, S.J., M.C. Agne., and B.J. Harvey. 2021. Do you CBI what I see? The relationship between the Composite Burn Index and quantitative field measures of burn severity varies across gradients of forest structure. *International Journal of Wildland Fire*. (*in press*).

Saberi, S.J. and B.J. Harvey. 2021. What is the color when black is burned? Relating remote sensing indices to quantitative field measures of burn severity in short interval reburns. *in review*.

PROFESSIONAL CONFERENCE AND SEMINAR PRESENTATIONS

Saberi, S. and V.R. Kane. 2021. Assessing the utility of multi-temporal digital aerial photogrammetry in determining fire caused forest structure change. To be presented at the 9th International Fire Ecology and Management Congress, Virtual. December 1. (Invited oral presentation).

Saberi, S. and V.R. Kane. 2020. Assessing forest structural changes due to fire using digital aerial photogrammetry in a coniferous forest of Eastern Washington State. Presented at the 105th Annual Meeting of the Ecological Society of America, Virtual. August 3. (oral presentation)

Saberi, S. and V.R. Kane. 2020. Exploring drivers of fire-caused forest structural changes using modeling and digital aerial photogrammetry. Presented at the 2020 Fall American Geophysical Union Conference. Virtual. December 1-17, 2020. (poster presentation)

Saberi, S. Quantifying burn severity in coniferous forests of the Interior Pacific Northwest. Presented at the 2020 UW School of Aquatic and Fishery Sciences Quantitative Seminar Series. April 4, 2020. (Invited oral presentation)

Saberi, S. Quantifying burn severity in coniferous forests of the Interior Pacific Northwest. Presented at the 2020 UW Fish and Wildlife Ecology Seminar Series. February 24, 2020. (Invited oral presentation)

Saberi, S., and B.J. Harvey. 2018. Do You CBI what I See? Relationships among multiple field measures of burn severity in the US Interior Pacific Northwest and Northern Rockies. Presented at the 2018 Fire Continuum Conference. Missoula, MT. May 21-24. (poster presentation)

Saberi, S. Do You CBI What I see? 2018. Relationships among Multiple field Measures of Burn Severity in the Interior PNW and US Northern Rockies. Presented at the Fifteenth Annual University of Washington School of Environmental and Forest Sciences Graduate Student Symposium, Seattle, WA. March 2nd. (oral presentation)

Saberi, S. 2017. Exploring the relationship between satellite-derived surface temperature observations and modeled lake metabolism. Presented at the 2017 College of Natural Resources Honors Research Symposium. University of California, Berkeley. May 5. (oral presentation)

Saberi, S., K.C. Weathers, H. Norouzi, S. Prakash, J. Boucher, and C. Solomon. 2016. Developing a Model to Estimate Freshwater Gross Primary Production Using MODIS Surface Temperature Observations. Presented at the 2016 American Geophysical Union Fall Meeting. San Francisco, CA. December 12-16. (poster presentation)

Saberi, S., K.C. Weathers, H. Norouzi, S. Prakash, J. Boucher, and C. Solomon. 2016. Developing a Model to Estimate Freshwater Gross Primary Production Using MODIS Surface Temperature Observations. Presented at the Annual Meeting of the California Aquatic Bioassessment Workgroup, University of California, Davis. October 18-19. (poster presentation)

Saberi, S., K.C. Weathers, H. Norouzi, S. Prakash, J. Boucher, and C. Solomon 2016. Scanning from the Sky: Using Remote Sensing to Estimate Freshwater Gross Primary Production. Presented at the 29th Annual Cary Institute of Ecosystem Studies Undergraduate Research Symposium. Millbrook, NY. August 12. (oral presentation)

TEACHING EXPERIENCE

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| 2019 | Graduate Teaching Assistant, Introduction to Geographic Information Systems in Forest Resources, Autumn 2019 |
| 2019 | Graduate Teaching Assistant, Introduction to Statistics and Probability, University of Washington, Summer 2019 |
| 2015 | Teaching Assistant and Course Reader, The Planet Earth (Introduction to Earth and |

Planetary Science), University of California, Berkeley, Spring 2015

ADDITIONAL TECHNICAL SKILLS

- Hiring, training, and managing field crews
- Wilderness First Aid (to be completed May 8, 2022)
- Writing technical reports and manuscript
- Geodatabase production and management
- parametric, non-parametric, and multivariate statistical analysis of ecological datasets
- Scripting: R, Google Earth Engine
- GIS programs: AcrGIS Pro, ArcGIS online
- Remote Sensing image analysis: ENVI and IDL
- Lidar data processing: FUSION and lidR package
- Adobe Photoshop
- Microsoft Office Suite

SERVICE AND OUTREACH

College of the Environment Diversity Committee Member (Autumn 2017 – Spring 2022)
School of Environmental and Forest Sciences Graduate Student Council Founder (Winter 2018 – Fall 2019)
Graduate Student Symposium Planning Committee Member (2018, 2019)
Bryant Elementary School Science Fair Mentor – Winter 2019
Burke Museum Girls in Science Volunteer – Winter 2020

HONORS AND AWARDS

Eugene Cota-Robles Fellowship (\$107,000)	2022-2025
Graduate Group in Ecology Fellowship – <i>declined</i> (\$61,000)	2022-2024
Graduate Student of the Year, School of Environmental and Forest Sciences	2018-2019
School of Environmental and Forest Sciences Recruitment Fellowship – <i>declined</i> (\$45,000)	2017-2018
Graduate Opportunity Program Research Assistantship Award – (\$45,000)	2017-2018
National Science Foundation Graduate Research Program Fellowship – <i>honorable mention</i>	2017, 2019
National Science Foundation Research Experiences for Undergraduates Fellowship (\$6,000)	2016
University of California Education Abroad Scholarship (\$5,000)	2015
Youth for Understanding Scholarship for Study Abroad – Japan (\$10,000)	2011

LANGUAGE SKILLS

Fluent in Farsi (oral, written)
Proficient in Spanish (oral, written)
Proficient in Azerbaijani Turkish (oral)
Working Proficiency in Japanese (oral, written)