Elmera Azadpour

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EDUCATION

Master of Environmental Science and Management (Expected June 2022)
Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)
Specialization**:** Energy & Climate
Highlighted/Anticipated Coursework: Environmental Modeling, Earth System Science, Advanced Data Analyses for Environmental Science and Management

Honors Bachelor of Sciences in Environmental Biology, GPA 3.6 (December 2019)
University of Utah, Salt Lake City (SLC), Utah
Honor's Thesis: The effect of inorganic vs organic fertilizer on an urban lawn in Salt Lake City, Utah
Awards: Department of Biology Undergraduate Research Stipend, $1000

PROFESSIONAL EXPERIENCE

Spring Science Undergraduate Laboratory Intern (1/20-5/20)
Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA

- Conducted research project that analyzed the effects of rainfall gradients on future gross primary productivity (GPP) across the Isthmus of Panama to aid in the advancement of NGEE- Tropics project
- Extracted data from published literature and NOAA databases and analyzed the data in coding program R
- Compared empirical data to vegetation model (FATES) output to draw conclusions
- Generated figures via R for 23-page final write up and poster presentation at LBNL

Summer Science Undergraduate Laboratory Intern (5/19-8/19)
Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA

- Organized literature review of photosynthetic capacity (V_{cmax}) plasticity observed within forest canopies to establish clear hypotheses for research project
- Collaborated with three lab team members on research project
- Generated data visualizations in R for 26-page final write up and poster presentation at LBNL
- Presented final poster at American Geophysical Union (AGU) 2019 conference and Ecological Society of America (ESA) 2020 conference

Research Associate (8/17-12/19)
Urban Ecology Research Lab, The University of Utah

- Conducted three-month field campaign on University of Utah campus
- Collected soil and grass samples for δ15N, δ13C, %N and ANPP data analysis
- Executed various sample preparation techniques (KCl extractions, soil moisture, and preparing samples for mass spectrometer) and conducted statistical analyses in R
- Submitted 30-page honors thesis write up

PUBLICATIONS

Powell T; **Azadpour E**; Faybishenko B (2020): Wind speed data from NCEI Marcos A Gelabert station, Panama, Jan 2008 – Dec 2019. 1.0. NGEE Tropics Data Collection. (dataset). http://dx.doi.org/10.15486/ngt/1633769

SKILLS AND AFFILIATIONS

Computer: R for Statistics, Microsoft Office Suite, GitHub, ArcGIS, Land-Surface Modeling (ELM), Earth System Models, Functionally Assembled Terrestrial Ecosystem Simulator (FATES), Adobe Suite
Language: English (Native) and Farsi (Advanced Working Proficiency)
Affiliations: Student Member of Ecological Society of America, Student Member of American Geophysical Union, Diversity Scholar for R-Studio 2020 Conference