

Maryam Sedaghatpour

MSed@Berkeley.edu • 3040 Valley Life Sciences Building #3140, Berkeley, CA 94720

EDUCATION

Ph.D. in Integrative Biology

August 2017 – Present

University of California at Berkeley, Berkeley, CA

Major Advisor: Dr. Carl Rothfels

B.S. in Environmental Science – Conservation

August 2011 - May 2016

Minor: Art & Visual Technology

George Mason University, Fairfax, VA – GPA: 3.48/4.00

External Semester in Wildlife Ecology for Conservation

August 2014 – December 2014

Smithsonian-Mason School of Conservation, Front Royal, VA – GPA: 3.60/4.00

Coursework in General Studies

August 2010 – May 2011

Northern Virginia Community College, Annandale, VA – GPA: 3.73/4.00

RELEVANT EXPERIENCE

Graduate Student Instructor, Department of Integrative Biology

August 2017 – Present

University of California, Berkeley – Berkeley, CA

Museum Technician, U.S. National Herbarium

March 2017 – July 2017

Smithsonian National Museum of Natural History – Washington D.C.

Research Assistant, Lab of Dr. Andrea Weeks

December 2014 – August 2016

George Mason University – Fairfax, Virginia

Intern, [Global Genome Initiative – Gardens](#)

January 2016 – December 2016

Department of Botany, Smithsonian National Museum of Natural History – Washington D.C.

Aquatic Plant Ecology Technician, National Research Program

September 2016 – December 2016

U.S. Geological Survey – Reston, VA

Laboratory Technician, Ted R. Bradley Herbarium

May 2015 – February 2016

George Mason University – Fairfax, VA

Volunteer Research Assistant, Lab of Dr. Kim de Mutsert

June 2014 – October 2015

George Mason University – Fairfax, VA

Research Assistant, Lab of Dr. Joris van der Ham

May 2015 – August 2015

George Mason University – Fairfax, VA

Independent Research, Lab of Dr. Joris van der Ham

January 2015 – August 2015

George Mason University – Fairfax, VA

Practicum Student, [ForestGEO](#)

August 2014 – December 2014

Smithsonian Conservation Biology Institute – Front Royal, VA

Volunteer Research Assistant, Tropical Dolphin Research Foundation

January 2014 – April 2014

George Mason University – Fairfax, VA

PUBLICATIONS

Zúñiga, J., Gostel, M., Mulcahy, D., Barker, K., Hill, A., **Sedaghatpour, M.**, Vo, S., Funk, V., Coddington, J., (2017). "Data Release: DNA Barcodes of Plant Species Collected for the Global Genome Initiative for Gardens Program, National Museum of Natural History, Smithsonian Institution." *PhytoKeys*.

MANUSCRIPTS IN PREPARATION

Sedaghatpour, M., K. Oldham, and A. Weeks. Biogeography and population genetic diversity of the hemiparasitic wildflower, *Melampyrum lineare* (Orobanchaceae).

POSTER and ORAL PRESENTATIONS

Sedaghatpour, M., K. Oldham, and A. Weeks. 3 August, 2016. Patterns in the population genetic diversity of the North American hemiparasite *Melampyrum lineare* (Orobanchaceae). Oral presentation at BOTANY 2016. Savannah, Georgia.

Sedaghatpour, M., K. Oldham, and A. Weeks. 19 May, 2016. Ecological interactions in the face of climate change: a historical case example from the forests of North America, *Melampyrum lineare* (Orobanchaceae). Oral presentation at Virginia Academy of Science annual meeting. Fredericksburg, Virginia.

Sedaghatpour, M., K. Oldham, and A. Weeks. 4 May, 2016. Patterns in population genetic diversity of the hemiparasitic wildflower, *Melampyrum lineare* (Orobanchaceae). Poster presentation at OSCAR 5th Annual Celebration. Fairfax, Virginia.

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- Sedaghatpour, M.,** K. Oldham, and A. Weeks. 22 April, 2016. The biogeography of a plant that steals from other plants - *Melampyrum lineare* (Orobanchaceae). Oral presentation at Mason Grand Science Slam. Fairfax, VA.
- Sedaghatpour, M.,** K. Oldham, and A. Weeks. 8 April, 2016. Patterns in population genetic diversity of the hemiparasitic wildflower, *Melampyrum lineare* (Orobanchaceae). Poster presentation at National Conference on Undergraduate Research (NCUR). Ashville, North Carolina.
- Sedaghatpour, M.,** K. Oldham, and A. Weeks. 24 March, 2016. The biogeography of a plant that steals from other plants - *Melampyrum lineare* (Orobanchaceae). Oral presentation at Mason Preliminary Science Slam. Fairfax, VA.
- Sedaghatpour, M.,** K. Oldham, and A. Weeks. July, 2015. Microsatellite markers for estimation the population genetic diversity of the hemiparasitic wildflower, *Melampyrum lineare* (Orobanchaceae). Poster presentation at BOTANY 2015. Edmonton, Canada.
- Sedaghatpour, M.,** K. Oldham, and A. Weeks. 5 May, 2015. Microsatellite markers for estimation the population genetic diversity of the hemiparasitic wildflower, *Melampyrum lineare* (Orobanchaceae). Poster presentation at OSCAR 4th Annual Celebration. Fairfax, Virginia.
- Sedaghatpour, M.,** K. Oldham, and A. Weeks. 8 May, 2015. Microsatellite markers for estimation the population genetic diversity of the hemiparasitic wildflower, *Melampyrum lineare* (Orobanchaceae). Oral presentation at George Mason University Undergraduate Research Scholars Program Seminar. Fairfax, Virginia.
- V. Corbo, K. Graves, **M. Sedaghatpour**, S. Vo. December, 2014. Cover Crops: A polyculture experiment. Oral presentation at Smithsonian Conservation Biology Institute. Front Royal, VA.

RESEARCH and TRAVEL GRANTS

- Undergraduate Student Travel Fund Award. George Mason University - Office of Student Scholarship Creative Activities and Research. \$600; 2016.
- Undergraduate Student Travel Fund Award. George Mason University - Office of Student Scholarship Creative Activities and Research. \$60; 2016.
- Research Grant via Weeks Lab. George Mason University - Department of Biology. \$1200; April 2016.
- Preparing Leaders and Nurturing Tomorrow's Scientists. Botanical Society of America and NSF. ~\$1342; July 2015.
- Undergraduate Student Travel Fund Award. George Mason University - Office of Student Scholarship Creative Activities and Research. \$52; 2015.
- Undergraduate Research Scholars Program. George Mason University - Office of Student Scholarship Creative Activities and Research \$1500; 2015.

PROFESSIONAL MEMBERSHIP

- Botanical Society of America (BSA)
- Society of Herbarium Curators (SHC)

FIELDWORK EXPERIENCE

- Plant Collections: USA – California, Virginia, Washington DC, Maryland. Canada - Alberta, British Columbia
- Freshwater sampling: fish seining, drop rings (macrophyte and macroinvertebrate), ichthyoplankton tows.
- Tree survey: quantitative measurements and qualitative assessments

ACHIEVEMENTS/ACKNOWLEDGEMENTS

- 2016 Office of Student Scholarship Creative Activities and Research (OSCAR) Student Excellence Award
- 2016 George Mason University Science Slam Finalist
- Dean's List ($\geq 3.50/4.00$): Fall 2010; Spring 2011, 2012, 2013, 2014, 2015
- Spread in Calliope, the Student Journal of Art and Literature. Vol. VIII – Spring 2011
- Award of Merit for Photography, 2009

LANGUAGES

Fluent in English and Farsi.