

# Angela Rose Korabik

Ph.D. Candidate at the University of California, Davis and the Bodega Marine Laboratory  
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## Education

September 2018 – present

**Ph.D. in Ecology** at the University of California, Davis (advanced to candidacy December 18, 2020)

Adviser: Dr. Edwin (Ted) Grosholz

Dissertation Focus: The Impacts of Climate Change on the Reproduction and Community Composition of Native and Invasive Kelps

August 2013 – May 2017

**B.S. in Biological Sciences & B.A. in Chinese Studies** at the University of South Carolina, Columbia

Minor: Russian

Honors College Senior Thesis: “The Effects of Nuclear Radiation on Spider Cognition and Web Architecture”

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## Research

Graduate Thesis Work with Dr. Ted Grosholz

“The Impacts of Salinity and Temperature on Gametophyte Growth and Reproduction in Wakame (*Undaria pinnatifida*)” (**in progress**) June 2021 – present

“The Impacts of Environmental Gradients and Interspecific Competition On Brown Algal Reproduction In Tomales Bay” (**in progress**) June 2019 – present

Graduate Thesis Work in collaboration with Dr. Jordan Hollarsmith and Tallulah Winquist

“Examining the reproductive success of bull kelp (*Nereocystis luetkeana*) under climate change conditions” (**manuscript in prep**)

January 2019 – present, University of California, Davis

Graduate Student Researcher

“A Modern and Historical Record of Algae in Tomales Bay” (**in progress**)

June 2019 – present, Bodega Marine Laboratory, University of California, Davis

Graduate Student Researcher with Dr. Heidi Ballard and Dr. Ryan Meyer

“The Role of Community and Citizen Science Programs in California’s Marine Protected Areas” (published Jan 2022)

March 2021 – January 2022, Center for Community and Citizen Science, University of California, Davis

Scientific Diver for Dr. Chela Zabin

Subtidal dive surveys assessing the presence of invasive species

October 2019, Smithsonian Environmental Research Center, Monterey, CA

Field Intern for Professor David N. Reznick

The Guppy Project – Long Term Mark-Recapture of *Poecilia reticulata* populations

June 2017 – September 2017, University of California, Riverside, Trinidad and Tobago

Honors College Thesis Work with Dr. Timothy Mousseau

“The Effects of Nuclear Radiation on Spider Cognition and Web Architecture”

September 2013 – June 2017, University of South Carolina Ecology Department, Columbia, SC

NOAA Hollings Intern with Dr. Steve Lonhart

“Undoing the Undaria: Better Management Practices For The Invasive Kelp *Undaria pinnatifida* in Monterey Harbor”

June 2016 – August 2016, Monterey Bay National Marine Sanctuary, Monterey, CA

Research Volunteer for Dr. Nyssa Silbiger

Rocky Shore Intertidal Surveys and Tide Pool Characterization

July 2016, Monterey Bay National Marine Sanctuary, Point Pinos, Pacific Grove, CA

Undergraduate Researcher with Dr. Carol Boggs

“Mud Puddling Habits in Native Lepidoptera of Columbia, SC”

September 2014 – October 2016, University of South Carolina Biology Department, Columbia, SC

Ecological Restoration Intern

June 2015 – August 2015, Village of Glenview Public Works Department, Glenview, IL  
Undergraduate Collections Volunteer with

January 2014 – December 2014, University of South Carolina Herbarium, Columbia, SC  
Insect Collections Intern

June 2013 – August 2013, Field Museum of Natural History, Chicago, IL

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## Scientific Education, Outreach, and Mentorship

### Guest Lectures and Public Seminars

- Nov 2022 “Environmental Gradients and Tomales Bay’s Algae”, Guest Lecture for the Sonoma State University Department of Biology Colloquium
- Oct 2022 “Food Webs, Environmental Gradients, and Seaweeds”, Guest Lecture for American River College NATR320 Principles of Ecology
- Jul 2022 “Kelp Forest Ecology for Divers”, Public Ecology Seminar at Marin Dive Center
- Jun 2022 “Exploring the Secrets of Tomales Bay’s Algae”, Public Oral Presentation to the Tomales Bay Watershed Council
- Mar 2022 “Marine Protected Areas”, Guest Lecture for UC Merced BIO034 Intro to Marine Science

### Teaching Assistantships

- Spring 2021, 2022 UC Davis ESP 123 Field and Lab Methods in Ecology
- Spring 2019, Fall 2021, Winter 2022 UC Davis BIS2B Introduction to Biology: Ecology and Evolution
- Spring 2020 UC Davis ESP 151 Limnology
- Winter 2020 UC Davis Reader – BIS2B Introduction to Biology
- Fall 2016 UofSC Peer Teaching Assistant – Biology 301L Ecology and Evolution Laboratory

### Mentor to Undergraduate Laboratory Assistants

- June 2022-present **Genece Grisby** – “Assessing Current Trends in Tomales Bay Algae”
- July 2021-present **Suellen Dias** – “The Impacts of Salinity and Temperature on Gametophyte Growth and Reproduction in Wakame (*Undaria pinnatifida*)”
- Summer 2022 **Sahil Prasad** (BML/SRJC Program) – “Investigating Intertidal Invertebrate Communities”
- Mar-Dec 2021 **Nicholas Peterson** – “The Role of Community and Citizen Science Programs in California’s Marine Protected Areas”
- Summer 2020 **Allie Vann** (BML/SRJC Program) – “Exploring the Historical Record of Tomales Bay Algae”

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## Grants, Fellowships, and Awards

### UC Davis

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| Henry A. Jastro Research Award (\$2,550)                 | 2022      |
| Henry A. Jastro Research Award (\$3,000)                 | 2021      |
| Russell J. and Dorothy S. Bilinski Fellowship (\$20,000) | 2021      |
| Henry A. Jastro Research Award (\$3,900)                 | 2020      |
| UC Davis Graduate Group in Ecology Fellowship (\$62,958) | 2018-2020 |

### External

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|---|-------------|
| Phycological Society of America Hoshaw Travel Award (\$1,635) | 2022        |
| Tomales Bay Watershed Council Grant (\$3,500)                 | 2021        |
| Experiment.com Kelp Forest Challenge Grant (\$4,165)          | 2021        |
| Sustainable Oceans Alliance Microgrant (\$1000)               | 2020        |
| Taiwan MOE Huayu Enrichment Scholarship (NT\$150,000)         | 2018        |
| NOAA Ernest F. Hollings Scholar (\$28,000)                    | 2015 – 2017 |

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## Reports/Publications

- Korabik, A.R.**, J.A. Hollarsmith, T.A. Winqvist. The effects of climate change conditions on the reproductive success of bull kelp (*Nereocystis luetkeana*) (**manuscript in prep**). To be submitted to the Journal of Phycology.
- Meyer, R.M., **A.R. Korabik**, T.A. Harwell, N.A., Petersen. Examining the Role of Community and Citizen Science in Marine Protected Area Implementation. Report to the California Department of Fish and Wildlife for the Decadal Management Review of Marine Protected Areas. January 2022.
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## Conference Presentations and Posters

- 2022 "Examining the reproductive success of bull kelp (*Nereocystis luetkeana*) under climate change conditions", Contributed Oral Presentation, Ecological Society of America Meeting
- 2022 "Examining the reproductive success of bull kelp (*Nereocystis luetkeana*) under climate change conditions", Poster Presentation, Joint Aquatic Sciences Meeting
- 2021 "The Role of Community and Citizen Science Programs in California's Marine Protected Areas", Virtual Oral Presentation, 102<sup>nd</sup> Western Society of Naturalists Meeting
- 2021 "Exploring the Secrets of Tomales Bay's Algae", Virtual Oral Presentation, Phycological Society of America Meeting
- 2021 "A Historical Record of Macroalgae in Tomales Bay", Virtual Oral Presentation, Graduate Group in Ecology Symposium
- 2020 "A Historical Record of Macroalgae in Tomales Bay", Virtual Poster presented by Allie Vann, 101<sup>st</sup> Western Society of Naturalists Meeting
- 2019 "*Undaria pinnatifida* Gametophyte Responses To Salinity", Poster, 100<sup>th</sup> Western Society of Naturalists Meeting
- 2017 "The Effects of Nuclear Radiation on Spider Cognition and Web Architecture", Oral Presentation, South Carolina Honors College Senior Thesis Defense
- 2017 Undoing the Undaria: Better Management Practices for the Invasive Kelp *Undaria pinnatifida* in Monterey Harbor", Poster, 46<sup>th</sup> Benthic Ecology Meeting
- 2016 Undoing the Undaria: Better Management Practices for the Invasive Kelp *Undaria pinnatifida* in Monterey Harbor", Poster, 97<sup>th</sup> Western Society of Naturalists Meeting
- 2016 "Undoing the Undaria: Better Management Practices for the Invasive Kelp *Undaria pinnatifida* in Monterey Harbor", Oral Presentation, NOAA Student Science and Education Symposium
- 2016 "Mud Puddling Habits in Native Lepidoptera of Columbia, SC", Poster, University of South Carolina Discovery Day
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## Professional Service

### Bodega Marine Science Association

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|---|-----------------------------|
| Co-President                                | November 2020-December 2021 |
| Graduate Student Association Representative | June 2019-March 2022        |
| BML Sponsorship Program Head                | June 2020-December 2021     |

### Graduate Group in Ecology

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|---|------------------------------|
| Reviewer for admissions                           | December 2019, 2021          |
| Odyssey Organizer                                 | November 2020-September 2021 |
| Odyssey TA  | September 2019, 2020         |
| Ecology Graduate Student Association Co-chair     | June 2019-June 2020          |
| Ecology Graduate Student Association Social chair | June 2019-June 2020          |

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## Professional Qualifications

<u>Memberships</u>	Ecological Society of America, Phycological Society of America, Northeast Algal Society, Phi Beta Kappa
<u>Skills</u>	Experimental design, Multivariate and Univariate Analysis, R, ImageJ, GitHub
<u>Certifications</u>	MOCC Scientific Boat Operator (2021), AAUS Scientific Diver (2019), SSI Open Water (2016), DAN CPR and First Aid (2019)
<u>Languages</u>	English (native), Mandarin (Level 4 HSK proficiency), Russian (intermediate proficiency)