

PRIYA SHUKLA

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EDUCATION

- M.S. Ecology**, October 2015 San Diego State University (SDSU) || GPA: 3.95
Thesis: *Environmental Variability Influences Kelp Physiology: Implications of Anthropogenic Climate Change*
Advisor: Dr. Matthew Edwards
- B.S. Environmental Science and Management**, September 2011 University of California, Davis (UCD) || GPA: 3.38
Emphasis in Ecology, Biodiversity and Conservation, Minor in Oceanography

PROFESSIONAL EXPERIENCE

- 2016 - Present** Ocean Acidification Technician, Biogeochemistry Laboratory, UCD Bodega Marine Laboratory
- 2016** Policy Research Intern, San Francisco Baykeeper
- 2015 - 2016** Marine Educator & Science Instructor, Marine Science Institute
- 2012 - 2015** Graduate Student Researcher, SDSU Department of Biology
- 2014 - 2015** Research Diving Technician, SDSU Point Loma Kelp Forest Abalone Outplanting Survey
- 2012** Environmental Consulting Intern, Caltrans San Francisco-Oakland Bay Bridge East Span Seismic Safety Project
- 2005-2011** Laboratory Technician, Biogeochemistry Laboratory, UCD Bodega Marine Laboratory (2011), Fish Conservation Group (2009-2011), UCD Agricultural Entomology Laboratory (2008-2009), UCD Air Quality Research Center (2008), Stanford University Environmental Toxicology Laboratory (2005-2007)

PUBLICATIONS

Shukla, P. and Edwards, M. S. Elevated $p\text{CO}_2$ ameliorates the negative effects of increased temperature on microscopic life stages of the giant kelp, *Macrocystis pyrifera* (Phaeophyceae, Laminariales). *In Revisions*.

Cavalcanti, G. S., Morris, M., **Shukla, P.**, Ribeiro, B., Foley, M., Doane, M., Leomil, L., Thompson, C., Edwards, M. S., Dinsdale, E. A., and Thompson, F. L. Effects of water acidification on coralline red algae rhodolith microbiome in mesocosms. *In Review, Global Change Biology*.

Shukla, P. 2011. Effects of an eelgrass bed (*Zostera marina*) on seawater pH and alkalinity. On file at the Cadet Hand Library, UC Davis Bodega Marine Laboratory.

Shukla, P. 2011. A comparative analysis between the pH and alkalinity of an eelgrass bed (*Zostera marina*) and a *Salicornia* dominant salt marsh. On file at the Cadet Hand Library, UC Davis Bodega Marine Laboratory.

RESEARCH POSTERS[†] AND ORAL PRESENTATIONS

Shukla, P., Brown, M.B., and Edwards, M.S. 2015. Impacts of elevated $p\text{CO}_2$ and temperature on multiple life stages of the giant kelp. 96th Western Society of Naturalists Conference, Sacramento, CA.

Shukla, P. 2015. Photosynthesis is a Choice: Environmental Variability Influences Carbon Uptake in Kelps at Different Life Stages. SDSU Marine Ecology and Biology Student Association Seminar Series, San Diego, CA.

Shukla, P. and Edwards, M.S. 2015. Elevated CO_2 concentrations facilitate development in microscopic life stages of *Macrocystis pyrifera*. 44th Annual Benthic Ecology Meeting, Québec City, Canada.

Shukla, P. and Edwards, M.S. 2014. Elevated CO_2 concentrations facilitate development in microscopic life stages of *Macrocystis pyrifera*. 95th Western Society of Naturalists Conference, Tacoma, WA.

†Shukla, P. and Edwards, M.S. 2013. Characterizing the effects of climate change on photosynthesis for embryonic and juvenile sporophytes of *Pterygophora californica* and *Laminaria farlowii*. 94th Western Society of Naturalists Conference, Oxnard, CA.

†Shukla, P. and Edwards, M.S. 2013. Characterizing the effects of climate change on photosynthesis for embryonic and juvenile sporophytes of *Pterygophora californica* and *Laminaria farlowii*. 22nd Biennial Conference of the Coastal and Estuarine Research Federation, San Diego, CA.

†Shukla, P., Hill, T.M., Gaylord, B., Hosfelt, J., and Nickols, K.J. 2011. Understanding impacts of ocean acidification on seagrass and salt marsh ecosystems based on studies in Bodega Harbor, California. 92th Western Society of Naturalists Conference, Vancouver, WA.

†Shukla, P. Hobbs, J., Kurth, R., Kindopp, J., and Cavallo, B. 2010. Determining run-type using otolith ⁸⁷Sr/⁸⁶Sr ratios among Feather River Chinook salmon spawners, 2002-2008. 6th Biennial Bay-Delta Science Conference, Sacramento, CA.

TEACHING AND UNDERGRADUATE MENTORSHIP EXPERIENCE

Mentor to Undergraduate Laboratory Assistants, SDSU

David Gamez-Alvarez (2015), Marina Gandara (2015), David Logue (2014), Wesley Leonard (2013)

Teaching Assistant

2015 Marine Ecology (BIOL 517), SDSU
2014 Ecology and the Environment (BIOL 354), SDSU
2012-2013 General Biology Laboratory (BIOL 100L), SDSU
2011-2012 AP Environmental Science, American High School, Fremont, CA

COMMUNITY SERVICE AND EDUCATIONAL OUTREACH

2015 **Invited Expert**, SDSU Climate Action Planning Retreat
2012-2015 **Seminar Series Coordinator**, SDSU Marine Ecology and Biology Student Association (MEBSA)
2013-2015 **STEM Speaker**, Mater Dei Catholic High School, Ocean Discovery Institute
2014 **Student Grant Writing Group Leader and Editor**, SDSU
2014 **External Reviewer**, High Tech High School Fire Ecology Journal Articles
2008-2009 **Member & Chair**, UCD Environmental Policy and Planning Commission

GRANTS AND AWARDS

2015 **Most Valuable Member Award**, SDSU MEBSA
2012-2015 **San Diego State University Grant**
2014-2015 **Council on Oceanic Affairs, Science and Technology Graduate Student Research Award**
2013-2014 **Harold and June Grant Memorial Scholarship**
2014 **San Diego State University Farris/EPEF Travel Award**
2014 **Western Society of Naturalists Student Travel Award**
2013 **Council on Oceanic Affairs, Science and Technology Travel Award**
2013 **Maritime Alliance Environmental Leadership Award**, co-recipient with MEBSA
2013 **San Diego Ocean's Foundation Ocean Leadership Award**, co-recipient with MEBSA
2013 **San Diego State University Research Foundation Award**

SHORT COURSE EXPERIENCE

2013 **SciFund Introduction to Outreach**, #SciFund University
2013 **Design and Analysis of Ecological Experiments**, SDSU

RELEVANT SKILLS

AAUS Scientific Diver (2013), SSI Open Water Scuba Diver (2010), California Boating and Waterways Safety Course (2012), Univariate and Multivariate Statistics (SYSTAT, SigmaPlot, R), Graphic Design, Website Design