

Sherry Krayesky-Self

(a) Professional Preparation

Institution	Location	Major/Area	Degree and Year	
			Degree	Year
Carl Sandburg College	Galesburg, IL	Life Science	A.A.	1996
Southern Illinois University	Carbondale, IL	Physiology	B.S.	1999
Southern Illinois University	Carbondale, IL	Plant Biology	M.S.	2002
University of Louisiana at Lafayette	Lafayette, LA	Environmental and Evolutionary Biology	Ph.D.	2015

(b) Appointments

Institution	Position	Years
Biology at UL Lafayette	Master Instructor	08/2015 to present
Kinesiology on-line course at UL Lafayette	Lecturer/coordinator	01/2011 to 2018
Biology at UL Lafayette	Instructor	08/2002 to 2015
Biology laboratory at UL Lafayette	Introductory	08/2002 to present
Carbondale New School, Illinois	Science instructor for K – 8th	08/2001 to 8/2002
Southern Illinois University	Teaching Assistant	1999 to 2002

(c) Products

(i) Five products most closely related to the proposed project

1. Fredericq S., S. Krayesky-Self, T. Sauvage, J. Richards, R. Kittle, N. Arakaki, E. Hickerson & W.E Schmidt. 2019. The critical importance of rhodoliths in the life cycle completion of both macro- and microalgae, and as holobionts for the establishment and maintenance of marine biodiversity. *Frontiers in Marine Science - Marine Ecosystem Ecology* 5(502), doi:10.3389/fmars.2018.00502
2. Krayesky-Self S., W.E. Schmidt, D. Phung, C. Henry, T. Sauvage, O. Camacho, B.E. Felgenhauer & S. Fredericq. 2017. Eukaryotic life inhabits rhodolith-forming coralline algae (Hapalidiales, Rhodophyta), remarkable marine benthic microhabitats. *Scientific Reports* 45850 (2017); doi:10.1038/srep45850.
3. Krayesky-Self S., J.L. Richards, M. Rahmatian & S. Fredericq. 2016. Aragonite infill in overgrown conceptacles of coralline *Lithothamnion* spp. (Hapalidiaceae, Hapalidiales, Rhodophyta): new insights in biomineralization and phylomineralogy. *Journal of Phycology* 52: 161-173.
4. Fredericq S., N. Arakaki, O. Camacho, D. Gabriel, D. Krayesky, S. Self-Krayesky, G. Rees, J. Richards, T. Sauvage, D. Venera-Ponton & W.E. Schmidt. 2014. A dynamic approach to the study of rhodoliths: a case study for the northwestern Gulf of Mexico. *Cryptogamie Algologie* 35: 77-98.
5. Felder D., B. Thoma, W. Schmidt, T. Sauvage, S. Self-Krayesky, A. Chistoserdov, H. BrackenGrissom & S. Fredericq. 2014. Seaweeds and decapod crustaceans on Gulf deep banks after the Macondo oil spill. *BioScience* 64: 808-819.

(ii) Other significant products:

1. Krayesky S.L., J.L. Mahoney, K.M. Kinler, S. Peltier, W. Calais, K. Allaire & G.M. Watson. 2010. Regulation of spirocyst discharge in the model sea anemone, *Nematostella vectensis*. *Marine Biology* 157: 1041-1047.
2. Krayesky S.L. & D.M. Krayesky. 2008-2009. Essentials of Biology Laboratory. University of Louisiana at Lafayette, BIOL 112/113. Plymouth, MI, Hayden-McNeil Publishing
3. Krayesky S.L., Explorations in Biology II: 2003-2004, University of Louisiana at Lafayette, BIOL 112/113. Plymouth, MI, Hayden-McNeil Publishing, (update 2004-2006)
4. Wood A.J. & S.L. Krayesky. 2002. The role of aldehyde dehydrogenases in abiotic stress tolerance of plants. *In: Biochemical and Molecular Responses of Plants to the Environment*. Ed. Andrew Wood. *Research Signpost*, 1-31. RERC

(d) Synergistic activities

1. Established and chaired the steering committee for Academic Mentoring Matters Peer Network (AMMPN). This group of faculty and students focus on connecting mentoring/tutoring programs established in STEM departments within the Colleges of Science and Engineering. The program also seeks to establish new mentoring/tutoring groups in STEM departments that are currently lacking.
2. Member of Department of Biology Curriculum Committee. Oversees and guides the Department of Biology in curriculum development and improvement. Assesses best teaching practices and evaluates student needs at the undergraduate level.
3. Oversees the work of 10 undergraduate students in Biology 410, which is a variable credit course in undergraduate research for upper division students.
4. Member of the UL Lafayette Department of Biology PULSE team. This team seeks to increase the amount of authentic research conducted by undergraduate students. The team participated in the Partnership for Undergraduate Life Sciences Education PULSE, a conference held in Spartanburg, SC, in 2016.
5. Member of steering committees for Louisiana's Region IV Science and Engineering High School Fair, Science Day and Super Science Summer Sessions (S4) for high school teachers held annually by the School of Science at UL Lafayette.