Andrea J. Jani – Curriculum Vitae
Assistant Researcher
Department of Oceanography, School of Ocean and Earth Science and Technology (SOEST)
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EDUCATION

Ph.D., Biomolecular Science and Engineering,	University of California, Santa Barbara	2014
M.S., Biology	Arizona State University, Tempe	2005
B.A., Environmental Science/Biology	University of California, Berkeley	1997

PROFESSIONAL APPOINTMENTS

Assistant Researcher, University of Hawai'i, Dept. of Oceanography	July 2015-
NSF Graduate Research Fellow	2008-2013
Graduate Student Instructor, UCSB, Dept. of Ecology, Evolution and Marine Biology	2007-2011
Graduate Student Researcher, UCSB, Biomolecular Science and Engineering	2007-2009

PUBLICATIONS (PEER-REVIEWED)

Jani, A.J., R.A. Knapp, and C. J. Briggs. 2017. Epidemic and endemic pathogen dynamics correspond to distinct host population microbiomes at a landscape scale. Proceedings of the Royal Society B. 284: 20170944.

Jani, A.J. and C.J. Briggs. 2014. The pathogen *Batrachochytrium dendrobatidis* disturbs the frog skin microbiome during a natural epidemic and experimental infection. Proceedings of the National Academy of Sciences of the United States of America. 111: E5049-E5058.

Jani, A.J. and P.A. Cotter. 2010. Type VI Secretion: Not Just for Pathogenesis Anymore. Cell Host and Microbe 8(S1): 2-6.

Jani, A.J., S.H. Faeth, and D. Gardner. 2010. Asexual endophytes and associated alkaloids alter arthropod community structure and increase herbivore abundances on a native grass. Ecology Letters 13:106-117.

Faeth, S. H., D. R. Gardner, C. J. Hayes, A. Jani, S. K. Wittlinger, and T. A. Jones. 2006. Temporal and spatial variation in alkaloid levels in *Achnatherum robustum*, a native grass infected with the endophyte *Neotyphodium*. Journal of Chemical Ecology 32:307-324.

McCallum, H., L. Gerber, and A. Jani. 2005. Does infectious disease influence the efficacy of marine protected areas? A theoretical framework. Journal of Applied Ecology 42:688-698.

Sabo, J.L., R. Sponseller, M. Dixon, K. Gade, T. Harms, J. Heffernan, A. Jani, G. Katz, C. Soykan, J. Watts, and J. Welter. 2005. Riparian zones increase regional species diversity by harboring different, not more species. Ecology 86:56-62.

TEACHING

OCN 340: Ecology of Infectious Diseases and Symbiosis. 3 credits. Elective for students in GES, Biology, Botany, NREM, Public Health. Offered Spring semester only.

PROFESSIONAL SERVICE

Student Advising: Served as mentor for 2 undergraduate research theses (UCSB); mentored 3 REU students (UCSB and UH Manoa); served as reviewer for 2 undergraduate theses (UH Manoa). Served on 3 interim graduate committees and 1 graduate thesis committee (UH Manoa).

Peer Reviewer for: *ISME Journal*, *Conservation Biology*, *Hydrobiologia*, *Diseases of Aquatic Organisms*, *Ecohealth*, *Mycopathologia*, *Fungal Ecology*, *Frontiers in Microbiology*, *Royal Society Open Science*.