

**BRIAN S. CHENG**

Assistant Professor  
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**Education:**

Postdoctoral Fellow	Smithsonian Institution	2014-2017
PhD Ecology	University of California, Davis	2014
MSc Biology	San Diego State University	2008
BS Aquatic Biology	University of California, Santa Barbara	2001

**UMass Employment:**

2017 – present      Assistant Professor of Marine Ecology, Dept. of Environmental Conservation

**RESEARCH****Areas of specialization: Marine ecology, global change biology, species invasions**

I am interested in how anthropogenic changes affect marine ecosystems, in particular focusing on climate change, species invasion, and overfishing. I use a combination of experimental and field observational approaches in coastal marine ecosystems. At UMass, much of my field research is based out of the Gloucester Marine Station. I also conduct data synthesis with meta-analytic approaches to understand broad scale ecological patterns in the oceans.

**Current student research projects:**

Jordanna Barley      *Mechanisms underlying range expansions*      MS, Intercampus Marine Science  
 Andrew Villeneuve      *Organismal adaptation to climate change*      MS, Intercampus Marine Science

**Grants received (since 2013):**

2018-2019	Cheng (PI)	National Science Foundation	\$24,986
2017-2018	Cheng (co-PI)	California Coastal Conservancy	\$152,000

**Books/Monographs:**

none

**Book chapters:**

none

**Refereed Journal Articles (since 2013, from a total of 12):**

**Cheng, B.S.**, A.H. Altieri, M.E. Torchin, and G.M. Ruiz. In Press. *Ecology*

**Cheng, B.S.**, G.M. Ruiz, A.H. Altieri, M.E. Torchin. In Press. *Diversity and Distributions*

Bible, J.M., **B.S. Cheng**, A.L. Chang, M.C. Ferner, K. Wasson, C.J. Zabin, M. Latta, E. Sanford, A. Deck, and E.D. Grosholz. 2017. *Ecology* 98:2468-2478

**Cheng, B.S.**, L.M. Komoroske, and E.D. Grosholz. 2017. *Functional Ecology* 31:642-652

**Cheng, B.S.**, A.L. Chang, A. Deck, and M.C. Ferner. 2016. *Proceedings of the Royal Society B* 283:20161462

**Cheng, B.S.** and E.D. Grosholz. 2016. *Ecosphere* 7(4):e01247.10.1002/ecs2.1247

**Cheng, B.S.**, J.M. Bible, A.L. Chang, M.C. Ferner, K. Wasson, C.J. Zabin, M. Latta, A. Deck, A.E. Todgham, and E.D. Grosholz. 2015. *Global Change Biology* 21:2488-2499.

Williams, S.L., N. Janetski, S. Blankenhorn, J. Abbott, **B.S. Cheng**, E. Crafton, D. Trockel.  
2014. Environmental Management. 10.1007/s00267-014-0343-6.

Komoroske, L.M., R. Connon, J. Lindberg, **B.S. Cheng**, G. Castillo, M. Hasenbein, N. Fangue.  
2014. Conservation Physiology 2:cou008-cou008.

Kimbro, D.L., **B.S. Cheng**, and E.D. Grosholz. 2013. Ecology Letters 16:821-833.

**Non-refereed Articles (since 2013, from a total of 3)**

Wasson, K., C. Zabin, J. Bible, E. Ceballos, A. Chang, **B.S. Cheng**, A. Deck, E.D. Grosholz, M.  
Latta, M. Ferner. 2014. A Guide to Olympia Oyster Restoration and Conservation.

**TEACHING**

**UMass Teaching and Evaluations (beginning Fall 2017):**

NRC 590M <i>Marine Ecology</i>	<i>times taught:</i> 1	<i>mean SRTI score:</i> TBD
NRC 252 <i>Introduction to Applied Ecology</i>	<i>times taught:</i> 1	<i>mean SRTI score:</i> 3.7

**SERVICE**

*University Service*

Search Committee, OEB Darwin Postdoctoral Fellow	2018- <i>Present</i>
Steering Committee, School for Earth and Sustainability	2018- <i>Present</i>
Chair Steering Committee, Gloucester Marine Station Strategic Planning	2017- <i>Present</i>
Curriculum Committee, NRC major concentration in Fisheries Ecology & Conservation	2017- <i>Present</i>
Quantitative Sciences Group	2017- <i>Present</i>
Steering Committee, Five Colleges Coastal and Marine Science Program	2017- <i>Present</i>

*Disciplinary Service*

Northeast Coastal Station Alliance – Data Management Protocol Working Group  
Northeast Coastal Station Alliance – Field Methods Working Group  
Ad hoc reviewer for 26 manuscripts in 22 journals since 2013