

Beth A. Christensen, Ph.D

Professor and Founding Chair, Department of Environmental Science
 School of Earth and Environment, Rowan University
 201 Mullica Hill Road, Glassboro, NJ 08028

Professional Preparation

Cook College, Rutgers University	N.J.	Geology	B.A., 1989
Rutgers University	N.J.	Geology	M.S., 1992
University of South Carolina	S.C.	Geology	Ph.D., 1997

Professional Appointments

2018- pres. Full Professor, Founding Chair, Environmental Science, Rowan University
 2018 –2020 Member, Steering Committee for NEXT
 2017 Co-Chair, JR Assessment Workshop, Denver, Sept. 26-27.
<http://usoceandiscovery.org/workshop-jr-assessment/>
 2016- 2018 Full Professor, Environmental Studies Program, Adelphi University
 2015- 2017 Chair, United States Advisory Committee (USAC), U.S.S.S.P.
 2012- pres. Associate Editor, Journal of Foraminiferal Research
 2012-2015 Member, International Ocean Drilling Proposal/ Science Advisory Panel
 2011- 2018 Director, Environmental Studies Program, Adelphi University
 2009-2011 Graduate Coordinator, Env. Studies Program, Adelphi University
 2009- pres. Associate Professor, Env. Studies Program, Adelphi University
 2008- 2011 United States Advisory Committee (USAC), U.S.S.S.P.
 2007-2008 Visiting Scientist, University of Texas, Austin, Jackson School of Geoscience
 2006- 2008 IODP STP Panel Member
 2005- 2009 Assistant Professor, Environmental Studies Program, Adelphi University
 2001- 2005 Assistant Professor, Department of Geology, Georgia State University
 1997- 2001 Assistant Professor, Dept. of Earth and Environmental Sciences, Furman University

Selected Recent Publication

- 2021 Christensen, B. A., De Vleeschouwer, D., Henderiks, J., Groeneveld, J., Auer, G., Drury, A. J., Theofanis- Karatsoli, B., Lyu, J., Betlzer, C., Eberli, G.P, Kroon, D. Late Miocene Onset of Tasman Leakage and Southern Hemisphere Supergyre Ushers in Near-Modern Circulation. *Geophysical Research Letters*, 48(18). Selected for EOS Research Spotlight, October 2021. <https://doi.org/10.1029/2021GL095036>
- 2020 Auer, G., De Vleeschouwer, D., Christensen, B. A.: Towards a robust Plio-Pleistocene chronostratigraphy for ODP Site 762, *Geophysical Research Letters*, 47:3, <https://doi.org/10.1029/2019GL085198>.
- 2019 Hallenberger, M., Reuning, L., Gallagher, S.J., Back, S., Ishiwa, T., Christensen, B., and Bogus, K., Increased fluvial runoff terminated inorganic aragonite precipitation on the Northwest Shelf of Australia during the early Holocene. *Sci Rep* 9, 18356 (2019) doi:10.1038/s41598-019-54981-7.
- 2019 Auer, G., De Vleeschouwer, D., Smith, R.A., Bogus, K., Groeneveld, J., Grunert, P., Castañeda, I.S., Petrick, B., Christensen, B, Fulthorpe, Gallagher, S. J., Henderiks, J., *Timing and Pacing of Indonesian Throughflow restriction and its connection to Late Pliocene climatic shifts*, *Paleoceanography and Paleoclimatology*. 34(4), 635–657. <https://doi.org/10.1029/2018PA003512>

- 2019 Buccheri, E., Foellmer, M., Christensen, B., and Freeman, A., Variation in righting times of *Holothuria atra*, *Stichopus chloronotus* and *Holothuria edulis* in response to ocean warming on the Heron Reef in the southern GBR. *Journal of Marine Biology* 2019:1-6. doi:10.1155/2019/6179705
- 2018 Gallagher, S.J., Reuning, L., Himmler, T., Henderiks, J., De Vleeschouwer, D., Groeneveld, J., Rastigar Lari, A., Fulthorpe, C.S., Bogus, K., and Expedition 356 Shipboard Scientists (including Christensen, B.), 2018: The enigma of rare Quaternary oolites in the Indian and Pacific Oceans: A result of global oceanographic physicochemical conditions or a sampling bias? *Quaternary Science Reviews*. 200, 114–122. <http://doi:10.1016/j.quascirev.2018.09.028>.
- 2018 De Vleeschouwer, D., Auer, G., Smith, R., Bogus, K., Christensen, B., Groeneveld, J., Petrick, B., Henderiks, J., Castañeda, I.S., O'Brian, E., Gallagher, S. J., Fulthorpe, C.S., Pälike, H., The amplifying effect of Indonesian Throughflow heat transport on Late Pliocene Southern Hemisphere climate cooling. *Earth and Planetary Science Letters*, 500, 15–27. <https://doi.org/10.1016/j.epsl.2018.07.035>.
- 2017 Christensen, B.A., W. Renema, J. Henderiks, D. De Vleeschouwer, G. Auer, J. Groeneveld, I. Castaneda, T. Ishiwa, K. Bogus, C.M. McHugh, L. Reuning, S.J. Gallagher, C.S. Fulthorpe, and Expedition 356 Scientists, *Indonesian Throughflow drove Australian climate from humid Pliocene to arid Pleistocene*, *Geophys. Res. Lett.*, v. 44, doi:10.1002/2017GL072977.
- 2017 Groeneveld, J., J. Henderiks, W. Renema, C. M. McHugh, D. De Vleeschouwer, B.A. Christensen, C. S. Fulthorpe, S. J. Gallagher, L. Reuning, K. Bogus, T. Ishiwa, D. C. Potts, T. Himmler, G. Auer, B. L. Mamo, and Expedition 356 Scientists, *Australian shelf sediments reveal shifts in Miocene Southern Hemisphere westerlies*, *Sci Adv* 2017, 3:. doi: 10.1126/sciadv.1602567

Publications: Other Recent Papers And Publications

- 2016 Fulthorpe, C., S. Gallagher, K. Bogus, B. Christensen, J. Groeneveld, Exp. 356 Scientists. Expedition 356 tracks the Indonesian Throughflow and Australian climate history. *Ocean Discovery*, Spring, 6-9

Professional Memberships

American Geophysical Union, Geological Society of America, Cushman Foundation

Recent Research Funding

- 2020 Rowan University and Ørsted Research. *Evaluation of Substrate: Detailed and Seasonal Data to provide a baseline for assessing future construction-related impacts* (\$5000, 2021-22). PI.
- 2019 MRI: Acquisition of a Laser Ablation Inductively Coupled Plasma Mass Spectrometer for Multidiscipline Research and Education. NSF Chemistry Division (\$144,389, 3 years). Role: Senior Personnel.
- 2016 U.S. Science Support Program. Participant Expedition Award (PEA) Grant. Dust and Downslope Transport: Measures of continental climate and oceanographic change on the Plio-Pleistocene NW Australian shelf. \$15,000.