

CURRICULUM VITAE

Jessica L. Conroy

School of Earth and Atmospheric Sciences
Georgia Institute of Technology
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EDUCATION

- | | |
|-------------|---|
| 2011 | Doctor of Philosophy
The University of Arizona, Tucson, AZ <ul style="list-style-type: none">• Major: Geosciences• Minor: Global Change |
| 2006 | Master of Science
The University of Arizona, Tucson, AZ <ul style="list-style-type: none">• Major: Geosciences |
| 2003 | Bachelor of Arts, <i>summa cum laude</i>
The College of Wooster, Wooster, OH <ul style="list-style-type: none">• Major: Geology [with Honors]• Minor: Classical Studies |

EMPLOYMENT

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|---------------------|---|
| 2011-present | NSF-AGS Postdoctoral Fellow, School of Earth and Atmospheric Sciences, Georgia Institute of Technology |
| 2010 -2011 | Web editor, blogger, Southwest Climate Change Network
Institute of the Environment and Climate Assessment for the Southwest, The University of Arizona |
| 2008 - 2010 | Research Associate
Department of Geosciences, The University of Arizona |
| 2007 | Graduate Teaching Associate
Geosciences 412 [Ocean Sciences], The University of Arizona |
| 2006 | Graduate Teaching Associate
Geosciences 308 [Paleontology], The University of Arizona |

FELLOWSHIPS

- 2011-2013** NSF-AGS Postdoctoral Fellowship
- 2007-2008** NSF Integrative Graduate Education and Research Traineeship Fellowship [IGERT], Archaeological Sciences
- 2003-2006** NSF Graduate Research Fellowship

AWARDS AND HONORS

- 2011** Best Paleoclimate Presentation, 39th Annual Geosciences Symposium, The University of Arizona
- 2010** Dr. H. Wesley Peirce Graduate Scholarship
- 2010** Global Change Dissertation Improvement Grant
- 2010** Graduate and Professional Student Council Outstanding Mentor Award
- 2009** Philanthropic Educational Organization [PEO] Scholar
- 2008** Achievement Rewards for College Scientists [ARCS] Prentice Scholar
- 2009** Galileo Circle Scholar, The University of Arizona
- 2009** Best Paleoclimate Presentation, 37th Annual Geosciences Symposium, The University of Arizona
- 2007** Bert S. Butler Scholarship, The University of Arizona
- 2003** The Northern Ohio Geological Society John F. Hall Outstanding Senior Award
- 2002** Phi Beta Kappa, The College of Wooster
- 2000** Eta Sigma Phi [Classical Studies Honor Society], The College of Wooster
- 1999-2003** College Scholar and Dean's List, The College of Wooster

PEER-REVIEWED PUBLICATIONS

Conroy, J.L., Overpeck, J.T., Cole, J.E., Liu, K.-B., Wang, L., and Ducea, M.N. [in review]. Coherent dust impacts over the Himalayas during the last millennium.

Restrepo, A., Bush, M., **Conroy, J.L.**, Overpeck, J.T., Jaramillo, P., Steinitz-Kannan, M., and Colinvaux, P. [in press]. Impacts of climate variability and human colonization on the vegetation of the Galápagos Islands. *Ecology*.

Conroy, J.L., and Overpeck, J.T. 2011. Regionalization of present-day precipitation across the greater monsoon region of Asia. *Journal of Climate*
doi:10.1175/2011JCLI4033.1.

Conroy, J.L., Overpeck, J.T., Cole, J.E., and Steinitz-Kannan, M. 2009. Variable oceanic influences on western North American drought over the last 1200 years. *Geophysical Research Letters*, doi:10.1029/2009GL039558.

Conroy, J.L., Restrepo, A., Overpeck, J.T., Steinitz-Kannan, M., Cole, J.E., Bush, M.B., and Colinvaux, P.A. 2009. Unprecedented recent warming of surface temperatures in the eastern tropical Pacific Ocean. *Nature Geoscience* 2(1):46-50.

Conroy, J.L., Overpeck, J.T., Cole, J.E., Shanahan, T.M., and Steinitz-Kannan, M. 2008. Holocene changes in eastern tropical Pacific climate inferred from a Galápagos lake sediment record. *Quaternary Science Reviews*. 27(11-12): 1166-1180.

Neff, J.C. , Ballantyne, A.P., Farmer, G.L., Mahowald, N.M., **Conroy, J. L.**, Landry, C.C., Overpeck, J.T., Painter, T.H., Lawrence, C.R., Reynolds, R. 2008. Recent increases in eolian dust deposition due to human activity in the western United States. *Nature Geoscience* 1(3): 189-195.

OTHER PUBLICATIONS

Bush, M.B., Colinvaux, P.A., Steinitz-Kannan, M., Overpeck, J.T., Sachs, J., Cole, J.E., Collins, A., **Conroy, J.L.**, Restrepo, A., and Zhang, Z. 2010. Forty years of paleoecology in the Galápagos. *Galápagos Research*. pg. 55-61.

Conroy, J.L., Overpeck, J.T., and J.E. Cole. 2010. El Niño/Southern Oscillation and changes in the zonal gradient of tropical Pacific sea surface temperature over the last 1200 years. *Pages News* 18(1):32-34.

Conroy, J. 2003. A high resolution Holocene paleoclimate record from western Ireland: evidence from population, biometric, and stable isotope values of freshwater mollusks. *16th Keck Symposium Volume*. p. 95-98.

PRESENTATIONS

Conroy, J.L., Overpeck, J.T., Bush M.B., and Cole, J.E. 2012. Evaluating the spatial signatures and seasonality of hydroclimate proxies from Galápagos lake sediments. American Quaternary Association Biennial Meeting, Duluth, MN [INVITED]

Conroy, J.L., Overpeck, J.T., Cole, J.E., Liu, K.-B., Wang, L., and Ducea, M. 2012. Shaking out the dust: Understanding long-term dust variations and their link to climate in the Himalayas and southern Tibetan Plateau. Department of Geography, The University of Minnesota, Minneapolis, MN. [INVITED]

Conroy, J.L., Overpeck, J.T., Bush M.B., and Cole, J.E. 2012. A lake in the middle of the ocean: Interpreting past tropical Pacific climate variability from Galápagos lake sediments. Department of Earth and Environmental Sciences, The University of Rochester, Rochester, NY. [INVITED]

Conroy, J.L., Overpeck, J.T., Bush M.B., and Cole, J.E. 2012. A lake in the middle of the ocean: Interpreting past tropical Pacific climate variability from Galápagos lake sediments. Department of Earth and Environmental Sciences, The University of Michigan, Ann Arbor, MI. [INVITED]

Conroy, J.L., Overpeck, J.T., Bush M.B., and Cole, J.E. 2012. A lake in the middle of the ocean: Interpreting past tropical Pacific climate variability from Galápagos lake sediments. Department of Earth and Atmospheric Sciences, Georgia Tech, Atlanta, GA. [INVITED]

Conroy, J.L., Hudson, A.M., Overpeck, J.T., Cole, J.E., Liu, K.-B., and Wang, L. 2011. Reconstructing 20th century summer precipitation on the south-central Tibetan Plateau. American Geophysical Union Fall Meeting, San Francisco, CA.

Conroy, J.L., Thompson, D.M., Overpeck, J.T., Bush M.B., and Cole, J.E. 2011. Improving Holocene climate reconstructions from Galápagos lake sediments: New insights from long-term lake monitoring. American Geophysical Union Fall Meeting, San Francisco, CA. [INVITED]

Conroy, J.L., Overpeck, J.T., Liu, K.-B., and Wang, L. 2010. A century of blowing dust in southwestern Tibet. American Geophysical Union Fall Meeting, San Francisco, CA.

Conroy, J.L., Overpeck, J.T., Liu, K.-B., and Wang, L. 2010. A century of blowing dust and melting glaciers in southwestern Tibet. Department of Earth and Atmospheric Sciences, Georgia Tech, Atlanta, GA. [INVITED]

Conroy, J.L., Overpeck, J.T., Cole, J.E., Collins, A., Bush, M.B., and M. Steinitz-Kannan. 2009. Assessing the El Niño/Southern Oscillation proxy potential of the sediment record from Genovesa Crater Lake, Galápagos. American Geophysical Union Fall Meeting, San Francisco, CA.

Conroy, J.L., Overpeck, J.T., Cole, J.E., Bush, M.B., and M. Steinitz-Kannan. 2009. Insights into past tropical Pacific climate variability derived from Genovesa Crater Lake, Galápagos. NCCR Climate Summer School, Grindelwald, Switzerland.

Conroy, J.L., Overpeck, J.T., Cole, J.E., and M. Steinitz-Kannan. 2009. Variable oceanic teleconnections to western North American drought over the last 1200 years. PAGES Young Scientist and Open Science Meetings, Corvallis, OR.

Conroy, J.L., and Overpeck, J.T. 2009. Regionalization of precipitation on the Tibetan Plateau. 37th Annual Geosciences Symposium, Department of Geosciences, The University of Arizona, Tucson, AZ.

Conroy, J.L., and Overpeck, J.T. 2008. Regionalization of Tibetan Plateau precipitation and its relation to the Asian Monsoon. American Geophysical Union Fall Meeting, San Francisco, CA.

Conroy, J.L., Overpeck, J.T., Steinitz-Kannan, M., and Cole, J.E. 2007. Holocene climate change in the eastern tropical Pacific. 35th Annual Geosciences Symposium, Department of Geosciences, The University of Arizona, Tucson, AZ.

Conroy, J.L., 2006. Rising temperatures in the tropical Pacific and implications for southwestern U.S. drought. College of Science, The University of Arizona, Tucson, AZ.

Conroy, J.L., Overpeck, J.T., Cole, J.E. and M. Steinitz-Kannan. 2006. Warming of the eastern equatorial Pacific over the last two centuries and implications for tropical Pacific-western North American drought teleconnection. American Geophysical Union Fall Meeting, San Francisco, CA.

Conroy, J.L., Overpeck, J.T., Cole, J.E. and M. Steinitz-Kannan. 2006. Warming of the eastern equatorial Pacific over the last two centuries and implications for tropical Pacific-western North American drought teleconnection. Young Scientists' Global Change Conference, Beijing, China.

Conroy, J.L., Overpeck, J.T., Steinitz-Kannan, M., and J.E. Cole. 2006. Insights into tropical Pacific variability from a Galápagos lake sediment record. American Quaternary Association XIX Biennial Meeting, Bozeman, MT.

Conroy, J.L., Overpeck, J.T., and Steinitz-Kannan, M. 2006. Lake model and proxy insights into tropical Pacific variability. 34th Annual Geosciences Symposium, Department of Geosciences, The University of Arizona, Tucson, AZ.

Conroy, J., Overpeck, J.T., and M. Steinitz-Kannan. 2005. Holocene precipitation variability in the Galápagos Islands. 18th North American Diatom Symposium, Mobile, AL.

Conroy, J.L. and Overpeck, J.T. Holocene precipitation variability in the Galápagos Islands. 2005. 33rd Annual Geosciences Symposium, Department of Geosciences, The University of Arizona, Tucson, AZ.

Conroy, J., Patterson, W.P., and M.A. Wilson. 2003. A high-resolution Holocene paleoclimate record from western Ireland: Evidence from population, biometric, and stable isotope values of freshwater mollusks. Northeastern Section, Geological Society of America Abstracts with Programs 35(3):71.

Conroy, J., Wilson, M.A., and C.M. Tang. 2002. Bored and encrusted carbonate cobbles and hardgrounds at the base of a regressive sequence (Lower Sundance Formation, Middle Jurassic, eastern Wyoming). North-Central and Southeastern Sections, Geological Society of America Abstracts with Programs 34(2): A95.

SYNERGISTICS

2010-2011	Mentor for incoming freshman from low-income families, AZ Assurance Program, The University of Arizona.
2010-2011	Mentor for under-represented students in geosciences, SAGUARO Program, The University of Arizona.
2008	Volunteer in 6 th grade science class, Wildcat Middle School, Tucson, AZ. [IGERT Educational Outreach]
2003-2004	Co-Chair and Advisor, Annual Geosciences Symposium, The University of Arizona

Professional affiliations: American Geophysical Union, American Quaternary Association, Geological Society of America, Past Global Changes (PAGES)

Professional reviewer of journal manuscripts for *Nature Geoscience, Geology, Journal of Climate, Paleoceanography, Quaternary Research, Quaternary Science Reviews, Journal of Arid Environments, Marine Chemistry*