

Andrea Grottoli

Professor | School of Earth Sciences at The Ohio State University

Columbus, OH, US

Climate change expert, specializing in coral responses to climate change and reconstructing oceanographic conditions

Biography

Professor Grottoli received her BSc. from McGill University (1992), her PhD from the University of Houston (1998) and completed postdoctoral training at the University of California – Irvine (2000). She and her team are focused on three areas of research: 1- determining what drives resilience in corals in the face of climate change, 2- reconstructing oceanographic conditions in the past based on coral skeletal isotope and trace metal records, and 3- the impact of land-use on the delivery of carbon to small tropical and temperate rivers.

Grottoli's current research is funded by the Division of Oceanography at the National Science Foundation. She established the Stable Isotope Biogeochemistry Laboratory facility in the School of Earth Sciences. Professor Grottoli has won several awards including the F.W. Clarke Award in Geochemistry, and the Mid-Career and the Best Paper Awards from the International Society for Reef Studies. She has published peer-reviewed journal articles in such journals as Nature, Global Change Biology, and Geochimica et Cosmochimica Acta, and she and her work have been featured on National Public Radio and several websites and newspapers. She is currently a full Professor in the School of Earth Sciences at the Ohio State University and a council member and Fellow of the International Society for Reef Studies.

Industry Expertise

Research, Education/Learning, Writing and Editing

Areas of Expertise

Coral Reefs, Paleoceanography, Biogeochemistry

Affiliations

International Society for Reef Studies: Fellow, American Geophysical Union, Association for the Sciences of Limnology and Oceanography, American Association for the Advancement of Science, Geochemical Society, The Ohio Academy of Sciences, Sigma Xi

Education

University of California, Irvine

Postdoctoral Fellow Paleoceanography

University of Houston

Ph.D. Biology

McGill University
B.Sc. Biology

Accomplishments

Mid-Career Award

Awarded by the International Society for Reef Studies

President and Provost's Leadership Institute Fellow

Awarded by The Ohio State University

F.W. Clarke Award in Geochemistry

Awarded by the Geochemical Society

Academic Leadership Program Fellow

Committee on Institutional Cooperation

Bradley Award (Best Paper Award)

Geological Society of Washington

Best Paper Award, Coral Reefs journal

The International Society for Reef Studies

Woodrow Wilson National Career Enhancement Fellow

Andrew W. Mellon Foundation

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