

Sarah M. Andrew, PhD, AFHEA

Department of Earth, Marine, & Environmental Sciences, University of North Carolina at Chapel Hill, NC, USA 27514
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Education

Ph.D. Research School of Earth Sciences, *Australian National University, Australia* (2019)
Thesis: Investigating the multiplicative effects of climate change on Southern Ocean phytoplankton.
Supervisor: Prof. Michael Ellwood

First Class Honours in Earth and Marine Sciences, *Australian National University, Australia* (2014)
Thesis: Investigating the multiplicative effects of climate change on Southern Ocean phytoplankton.
Supervisor: Prof. Michael Ellwood and Dr. Robert Strzepek.

B.Sc. Double Major in Geology and Biological Sciences, *University of Auckland, New Zealand* (2010)

Research and Employment

- 2019 - Present** **Postdoctoral Research Associate**, *University of North Carolina at Chapel Hill*
PI: Associate Professor Adrian Marchetti, Department of Marine Science
- Visiting Lecturer and supervision of student researchers
- 2015 – 2019** **Ph.D. Candidate**, *Australian National University*
Advisor: Associate Professor Michael Ellwood, Research School of Earth Sciences
Ph.D. Thesis: “Investigating the multiplicative effects of climate change on Southern Ocean phytoplankton”
- Higher Education Academy Associate Fellow
 - Teaching assistant (2015-2019)
- 2014** **B.Sc. Honours (First Class)**, *Australian National University*
Advisor: Dr. Robert Strzepek, Research School of Earth Sciences
Honours Thesis: “Investigating the multiplicative effects of climate change on Southern Ocean phytoplankton”
- Teaching assistant (2014)
- 2013 – 2014** **Geophysical Data Analyst**, *Shell Development Australia, Perth, Australia*
- 2011 – 2013** **Exploration Geologist**, *Cliffs Asia Pacific Iron Ore, Perth, Australia*
- Safety Officer
 - Member of the Windarling Mine Emergency Response Team.
- 2010 – 2011** **Geological Technician**, *The Institute of Geological and Nuclear Sciences (GNS Science);*
Secondment to the Ministry of Economic Development, New Zealand
- 2009 Nov – March** **Landcare Research**, *Summer Internship*

Field Experience

- 2018 Sept-Oct** **RV Investigator (28 days)**, Scientist
- Managed and coordinated CTD sampling.
- 2011 -2013** **Cliffs Natural Resources Asia Pacific Iron Ore**, Exploration Geologist
- Remote field work by helicopter, foot and 4WD.
- 2010 -2011** **GNS Science**, Technician
- Deployment of seismometers by 4WD.
 - Geological assessment of potential petroleum reservoirs.

Teaching / Mentoring Experience

- 2021** 2021 Summer Geoscience Internship Mentor
- 2019 – Present** Guest Lecturer, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA
- Marine Phytoplankton (MASC 444, graduate and undergraduate level) Fall 2019, Fall 2021
 - Marine Biology (MASC 442/BIOL 457, graduate and undergraduate level) Spring 2021
 - Oceanography (MASC 401, graduate and undergraduate level) Spring 2020
- 2019 – 2021** UNC MASC 395 (Special Research Project) Undergraduate Student Mentor
- 2015 – 2019** Education Assistant, National Dinosaur Museum
- 2014 – 2019** Teaching Assistant, Australian National University, Canberra, Australia
- The Blue Planet (EMSC1006, undergraduate level) Semester 1, 2017 - 2019
 - Marine Biogeochemistry (EMSC3023, undergraduate level) Semester 1, 2016
 - Sedimentology & Stratigraphy (EMSC2014, undergraduate level) Semester 1, 2014

Service and Membership

Professional Membership

- Association for the Sciences of Limnology and Oceanography (2019 to present)
- Phycology Society of America (2016 to present)
- The Oceanography Society (2018 – 2019)
- Geoscience Society of New Zealand (2010-2011)

Service and outreach

- IDEA committee (Diversity and Inclusion), Department of Marine Sciences, UNC (2020-present)
- Social Media Manager, Phycology Society of America (2019-present)
- Writer - Brand Management, Fifty50, ANU (2017 – 2018)
- Graduate Student Convenor, Ocean, Climate, & Geosciences Group, Australian National University (ANU; 2016-2017)
- Student Volunteer, Australian Meteorological and Oceanographic Society Conference (2017)
- Graduate Student Representative, Earth and Marine Society, ANU (2016)
- Student Volunteer, Australian Marine Sciences Association Conference (2014)