

JOSEPH C. GRADONE

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EDUCATION

- 2020—Present Ph.D. Student in Oceanography, Rutgers University
Advisor: Dr. Travis Miles
- 2016—2018 M.S. in Oceanography, University of Delaware
Thesis: *“Sea Surface Kinetic Energy as a Proxy for Phytoplankton Light Limitation in the Summer Pelagic Southern Ocean”*
Advisor: Dr. Matthew Oliver
- 2012—2018 B.S. in Geology, Dual Minor in Atmospheric and Oceanic Studies and Geography, University of Colorado
Honors: Magna Cum Laude
Senior Thesis: *“Surface Chlorophyll Variability in the Drake Passage Region of the Southern Ocean”*
Advisor: Dr. Nicole Lovenduski
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RESEARCH AND PROFESSIONAL EXPERIENCE

- 2020—Present Graduate Research Assistant, Rutgers University
- 2018—2020 Customer Support Applications Engineer, Teledyne Webb Research, Slocum Glider
- 2016—2018 Graduate Research Assistant, University of Delaware
- 2015—2016 Undergraduate Research Assistant, University of Colorado
- 2015 Research Experiences for Undergraduates NSF Fellow, Rutgers University
- 2013—2016 Data Assistant, NOAA NCEI (Boulder, CO)
- 2013—2014 Science Intern, Stony Brook Millstone Watershed Association
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PUBLICATIONS

- Gradone, J. C.**, Oliver, M. J., Davies, A.R., Moffat, C., & Irwin, A. (2020). Sea Surface Kinetic Energy as a Proxy for Phytoplankton Light Limitation in the Summer Pelagic Southern Ocean. *Journal of Geophysical Research: Oceans*, 125.
doi: 10.1029/2019JC015646
- Eichhorn, M., Shardt, Y.A.W., **Gradone, J.C.**, Allsup, B. (2020). Sensitivity Analysis of Bias in Satellite Sea Surface Temperature Measurements. *IFAC-Papers OnLine* 53, 764–771. doi:10.1016/j.ifacol.2020.12.828
- Gradone, J.C.**, Roarty, H.J., Evans, C., Glenn, S., Handel, E., Baskin, C., Dusek, G., & Paternostro, C. (2015) Assessing HF Radar Data in New York Harbor: Comparisons with Wind, Stream Gauge and Ocean Model Data Sources. *OCEANS 2015, MTS/IEEE Washington*, Washington, DC, 2015, pp. 1-8. doi: 10.23919/OCEANS.2015.7401972

Citation Records:

Google Scholar: https://scholar.google.com/citations?hl=en&user=Ob_NVc0AAAAJ

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ResearcherID: <https://publons.com/researcher/3669790/joseph-gradone/>

ResearchGate: https://www.researchgate.net/profile/Joe_Gradone

AWARDS & SCHOLARSHIPS

- 2018 NSF SCAR POLAR Conference Travel Grant
- 2018 Graduate and Professional Education Professional Development Grant, University of Delaware
- 2017—2018 Charles and Patricia Robertson Fellowship, University of Delaware
- 2016—2017 Marian R. Okie Fellowship, University of Delaware
- 2017 3rd Place, University of Delaware, Pitch-90 Competition, University of Delaware
- 2016 Undergraduate Research Opportunities Program Grant, University of Colorado
- 2012-2016 Chancellor’s Achievement Scholarship, University of Colorado

POSTER PRESENTATIONS

* Indicates mentored undergraduate student

Smith, H., Oliver, M. J., Breece, M. W., Haulsee, D. E., **Gradone, J.C.**, Goodrich, C., & Hudson, K. *Comparing Satellite and AUV: Observations of chlorophyll and sea surface temperature*. Delaware Environmental Institute Research Symposium, Newark Delaware. 7 March 2019

Gradone, J.C., Oliver, M.J., & Davies, A.R. *Low Mesoscale Kinetic Energy as a Precondition for Phytoplankton Blooms in the Southern Ocean*. Poster presented at: Scientific Committee on Antarctic Research POLAR 2018. Davos, Switzerland, June 21, 2018

Gradone, J.C., Oliver, M.J., & Davies, A.R. *Low Mesoscale Kinetic Energy as a Precondition for Phytoplankton Blooms in the Southern Ocean*. Poster presented at: NASA Biodiversity and Ecological Forecasting Meeting. Washington, DC, April 24, 2018

*Smith, H., Oliver, M. J., Breece, M. W., Haulsee, D. E., **Gradone, J.C.**, & Goodrich, C., Hudson, K. *Comparing Satellite and AUV: Observations of chlorophyll and sea surface temperature*. REU presentation. Lewes, DE. 11 August 2017

Gradone, J.C., & Lovenduski, N. *Surface Chlorophyll Variability in the Drake Passage Region of the Southern Ocean*. Poster presented at: Earth System and Space Science Poster Conference, University of Colorado Sustainability, Energy, and Environment Complex, Boulder, Colorado. November 13, 2015.

Gradone, J.C. & Roarty, H.J. *Assessing HF Radar Data in the New York Harbor: Comparisons with Oceanographic Models and Data Sources*. Poster presented at Rutgers University Research Internship in Ocean Sciences Poster Conference, Rutgers University Department of Marine and Coastal Sciences, New Brunswick, New Jersey. August 7, 2015.

FIELD EXPERIENCE

2021	National Science Foundation, Palmer Long-Term Ecological Research Cruise (6 weeks)
2020—Present	Rutgers University, Slocum glider deployments, recoveries, and piloting
2018—2020	Teledyne Webb Research, 150+ days, small boat operations, Slocum glider deployments, recoveries, and piloting
2016—2018	University of Delaware, 20+ days Slocum glider deployments, recoveries, and piloting
2015	Rutgers University, HF Radar installation and maintenance

PROFESSIONAL ACTIVITIES & PUBLIC OUTREACH

Professional Affiliations:

2021—Present	Member, The Oceanography Society
2020—Present	Member, Underwater Glider User Group
2017—Present	Member, Marine Technology Society

Academic and Professional Service:

2021	Intern Coordinator, National Science Foundation, Research Experiences for Undergraduates, Rutgers University
2017—2018	President, Graduate Student Association, University of Delaware, College of Earth, Ocean and Environment

Academic Outreach:

2020—Present	Skype with a Scientist
2020	Ocean County Community College
2016—2018	University of Delaware Coast Day
2017	Boy Scouts of America Oceanography Merit Badge
2017	United State Naval Academy
2016	Sussex County Leaders in STEM Education

Volunteer Work:

2021	Shore Bowl, Regional Bowl for High School National Ocean Science Bowl
2018	Sussex County Science Fair
2017—2018	Chesapeake Bay Bowl, Regional Bowl for High School National Ocean Science Bowl
2016—2018	Delaware Food Bank
2016—2018	Delaware Habitat for Humanity

MEDIA

4/5/21 – Teledyne Marine ["Slocum Glider "Silbo" Circumnavigates the Atlantic Ocean – Part 3"](#)

4/21/21 – Business Wire ["Atlantic Shores Offshore Wind Launches Buoys to Collect Essential Atmospheric, Cold Pool, Animal Migration Data"](#)