



SCHOOL OF MARINE & ATMOSPHERIC SCIENCES CONVOCATION

Celebrating the Class of 2022

FRIDAY, MAY 20, 2022



Dr. Marci Bortman
Director of Conservation and Science
The Nature Conservancy

Dr. Marci Bortman's career in conservation spans science, restoration, policy, and partner engagement to promote healthy communities and protection of nature in a climate changing world. With one foot on land and one foot in the water, Marci focuses on innovative nature-based solutions for tackling climate change and protecting biodiversity. She is the Director of Conservation and Science for The Nature Conservancy in New York. Marci is also the New York Governor's appointee for the Ocean Acidification Taskforce and she serves on the steering committee for the New York State Energy Research & Development Authority Climate Assessment.

Dr. Bortman is actively engaged in conservation strategies to restore and protect New York's land and water. Her work includes preserving and restoring shellfish, eelgrass, salt marsh and natural shorelines, promoting better stewardship of our forests and grasslands, land protection, and development of public policy strategies to improve water quality and mitigate environmental threats. Her professional experience also includes holding an appointment at the US Environmental Protection Agency, and as Senior Congressional Staff to the Honorable William J. Hughes, member of the United States House of Representatives, advising him on marine and environmental federal policy.

Dr. Bortman received a Ph.D. in Coastal Oceanography from Stony Brook University's School of Marine and Atmospheric Sciences, a Master's degree in Oceanography and Coastal Management from Florida Institute of Technology, and a Bachelor's degree in Geology and in Geography and Marine Affairs from University of Rhode Island.

**SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES
UNDERGRADUATE AND GRADUATE CONVOCATION
MAY 20, 2022**

Welcoming Remarks..... Dr. Paul Shepson, Dean

Convocation Address..... Dr. Marci Bortman

Awarding of Undergraduate Certificates

Atmospheric Programs Dr. Brian A. Colle, Advisor
 B.S. in Atmospheric and Oceanic Sciences

Marine Programs Dr. Darcy Lonsdale, Advisor
 B.A. in Environmental Studies
 B.S. in Marine Sciences
 B.S. in Marine Vertebrate Biology

Sustainability Programs Dr. Donovan Finn, Advisor
 B.S. in Coastal Environmental Studies
 B.A. in Ecosystems and Human Impact
 B.A. in Environmental Design, Policy and Planning
 B.A. in Environmental Humanities
 B.A. in Sustainability Studies

Undergraduate Research Honors

Stony Brook Alumni Association Dean's Choice Awards Dr. Frank Roethel
Research Professor and (PhD, 1982)

Petra M. Udelhofen Memorial Scholarship Award..... Dr. Brian A. Colle

Timothy Magnussen Memorial Scholarship..... Dr. Brian A. Colle

Nuria Protopopescu Memorial Award for
Excellence in Teaching..... Dr. Robert C. Aller

Pikitch Family Endowed Student Research Award Dr. Ellen K. Pikitch

Awarding of Masters and Doctoral Certificates

Master of Arts in Marine Conservation
and Policy Certificates Dr. Anne McElroy, Director MCP Program

Master of Science and Doctoral Certificates in
Marine and Atmospheric Sciences Dr. Jackie L. Collier, Graduate Programs Director

Closing Remarks..... Dr. Paul Shepson, Dean

CANDIDATES FOR UNDERGRADUATE DEGREE
Bachelor of Science in Atmospheric and Oceanic Sciences

Miles Litzmann

Deshaun Robinson

Marlon Quinteros

Julia Tetrault

Bachelor of Arts in Environmental Studies

Samuel Bauer

Jinxi Liu

Chloe Chen

Tongyu Liu

Haoze Chen

Peter Martin

Douglas Clare

Daniel McCoy

Mira Curti

Olivia McGranaghan

Barbara Delaney

Angela Miles

Christina Devito

Katherine Miller

Christopher Eagler

Sara Moore

Brooke Ferreira

James Pizaro

Eliot Fisher

Quinn Plunkett

Richard Guterres

Tyler Potter

Alexia Huang

Hailey Rangel

Kristen Hutz

Sarah Tabibzada

Tatum Kauka

Yurika Tomita

Matthew Lauer

Caitlan Vultaggio

Jessica Liew

Willow Wilcenski

Kenny Lin

Minor in Environmental Studies

Jesse Atamanuk

Brenna Spillane

Jason Burns

Stephanie Young

Lillian Nicholson

Bachelor of Science in Marine Sciences

Alexander Anthony

Margot Eckstein

Jesse Atamanuk

Anna Kolanovic

Zoe Brown

Corinn Kraemer

Davis Bush

Lang Ming

Lucas Chen

Jessica Semp

CANDIDATES FOR UNDERGRADUATE DEGREE

Minor in Marine Sciences

Samuel Bauer	Brittany Ou
Isabelle Cataldo	Enrique Pellicer Alabau
Sayre Hildreth	Tyler Potter
Matthew Lauer	Nicholas Ring
Jessica Liew	Nicholas Siegel
Kenny Lin	Jacquelin Tang
Michelle Ng	

Bachelor of Science in Marine Vertebrate Biology

Grace Ahn	Justin Norona
Samantha Aplin	Tulin Ortalan
Kirstin Brown	Stephanie Reiter
Travis Cutter	Valerie Reiter
Sierra Drury	Jessica Salmon
Thaliyah Fraser	Sarah Spencer
Carina Lara	Hossain Uchchal

Bachelor of Science in Coastal Environmental Studies

Ansel Huang	Illusion Rivera
Shweta Karmakar	Elena Sudano
Sarah Kelly	Amanda Thomas
Nicholas Ring	Emily Watson

Minor in Coastal Environmental Studies

Jessica Salmon

Bachelor of Arts in Ecosystems and Human Impact

Myra Arshad	Johanna Mitra
Jessica Esposito	Francesca Paduano
Emily Farrell	Joshua Yu
David Lopue	

Minor in Ecosystems and Human Impact

Yukta Kulkarni	Stephanie Reiter
Angela Miles	Illusion Rivera
Katherine Miller	

CANDIDATES FOR UNDERGRADUATE DEGREE

Bachelor of Arts in Environmental Design, Policy and Planning

Leah Carpenter	Tsai-Hsien Lin
Anne Green	Alec Miranda
Mark Henke	Victoria Rakhmanskiy
Ibrahim Jobe	Sebastian Ramos
Alexander Kutsupis	Sally Zhu
Linus Levey	

Minor in Environmental Design, Policy and Planning

Lina Arteaga Noguera	Keena Wong
Kenneth Rothwell	

Bachelor of Arts in Environmental Humanities

Amber Pavek	Katherine Summerson
Kimberly Rivera	Andrew Wong
George Saketos	Sophia Zhukovsky

Minor in Environmental Humanities

Patience Reilly

Bachelor of Arts in Sustainability Studies

Alec Miranda	Andrew Standridge
Laura Monges-Velázquez	Mei-Lyn Stout
Kenneth Rothwell	Elizabeth Suarez Ortega

Minor in Sustainability Studies

Davis Bush	Alexander Kutsupis
Nikita Chatoiredussy	Jessica Liew
Christopher Eagler	Kenny Lin
Ibrahim Jobe	

Minor in Geospatial Science

Ranger Agte	Linus Levey
Leah Carpenter	Olivia McGranaghan
Michelle Figueroa	Johanna Mitra
Evan Lassiter	Ranae Ward

UNDERGRADUATE HONORS

Degrees of Distinction

Undergraduate Research Honors

Myra Arshad

The Impact of Polyethylene and Chitin-based Leachates on Earthworm Health

Dr. Sharon Pochron, Advisor

David Lopue

The Effect of Polypropylene Leachate and oxo-degradable Leachate on Earthworm Health

Dr. Sharon Pochron, Advisor

Johanna Mitra

The Relationship Between Worm Soil Preferences and Worm Health in a Contaminated World

Dr. Sharon Pochron, Advisor

James Pizaro

Environmental Factors on Hudson River Vessel Traffic During Winter

Dr. Kamazima M. M. Lwiza, Advisor

Jessica Salmon

What Role do Jamaican Marine Protected Areas Play in Changing Fish Biodiversity?

Dr. Bradley J. Peterson, Advisor

UNDERGRADUATE AWARDS

Stony Brook Alumni Association Dean's Choice Award

Atmospheric Sciences	Julia Tetrault
Coastal Environmental Studies	Ansel Huang
Ecosystems & Human Impact	Johanna Mitra
Environmental Design, Policy & Planning	Linus Levey
Environmental Studies	James Pizaro
Environmental Humanities	Sophia Zhukovsky
Marine Sciences	Anthony Alexander
Marine Vertebrate Biology	Jessica Salmon
Sustainability Studies	Kenneth Rothwell

Petra M. Udelhofen Memorial Scholarship Award

Jason Barr

Josef Moses

Timothy Magnussen Memorial Scholarship

Abbie Austin

Miles Litzmann

GRADUATE AWARDS

**Nuria Protopopescu Memorial Award for
Excellence in Teaching**
Alyssa Stansfield

Pikitch Family Endowed Student Research Award
Kimberly Lato

CANDIDATES FOR GRADUATE DEGREE
Master of Arts in Marine Conservation and Policy

Isabella Betancourt Salcedo	Sarah McDonald
Michael Bowen	Paul Mooney
Demetrios Caroussos	Lindsey Neuwirth
Abigail Costigan	Jordan Russo
Eleanor Evans	Melanie Smith
Stella Giangarra	Eric Swan
Joanna Grunin	Keriann Tenney
Siobhan Keeling	

Master of Science in Marine and Atmospheric Sciences

Benjamin Bacon

A Microphysical Analysis of the January 4, 2018 Blizzard
Drs. Brian A. Colle & Pavlos Kollias, Co-Advisors

Brandon Beltz

*Investigating the Ecosystem Impacts of Warming-driven Migration
Shifts of Top Predators in the Mid-Atlantic Bight (MAB)
Using Novel Migration Forcing in Rpath*
Dr. Janet Nye, Advisor

Kristen Burk

Iron and Nitrogen Cycling in Nitrogen Removing Biofilters
Drs. Roy E. Price & Laura Wehrmann, Co-Advisors

Rachel Carlowicz

*Variability in Lipid Content of Calanus finmarchicus and
Other Copepods in the New York Bight*
Dr. Joseph D. Warren, Advisor

Nathaniel Chester

*Effects of Environmental Variability on Ribbed Mussel Ecophysiology Informed
by High-frequency Non-invasive (HFNI) Sensors*
Dr. Nils Volkenborn, Advisor

CANDIDATES FOR GRADUATE DEGREE

Master of Science in Marine and Atmospheric Sciences

Walter Dawydiak

*Transcriptional Response of Aureococcus anophagefferens
to the Protozoan Grazer, Oxyrrhis marina*

Dr. Christopher J. Gobler, Advisor

Jacob Flanzenbaum

*Nitrogen Limitation of Intense and Toxic Cyanobacteria Blooms in New York
City's Largest Parks: The Lake in Central Park and Prospect Park Lake*

Dr. Christopher J. Gobler, Advisor

Keenan Fryer

*Impact of Mesoscale Data Assimilation on the Primary
Snowband Within the Cyclone Comma Head*

Dr. Brian A. Colle, Advisor

Maria Grima

*Using Traditional and Novel Techniques to Monitor
Shinnecock Bay's Crab Community*

Dr. Ellen K. Pikitch, Advisor

Noah Khalsa

*Evaluating the Performance of Minimum Legal Size as a
Conservation Measure for the Gulf of Maine American Lobster Fishery
Under Climate-Driven Changes to Maturity and Growth*

Dr. Yong Chen, Advisor

Julia Marcantonio

*Indoor Measurement of Volatile Organic Compounds
at the Metropolitan Museum of Art*

Dr. John E. Mak, Advisor

Elizabeth Salzman

*Bringing Elasmobranchs into Modeling and Management
of Shinnecock Bay, New York Through eDNA Analysis*

Dr. Ellen K. Pikitch, Advisor

Arlaine Sanchez

*Assessing the Geochemistry & Habitability of
Eridania Basin, Mars: An Icelandic Analogue Study*

Dr. Roy E. Price, Advisor

CANDIDATES FOR GRADUATE DEGREE

Doctor of Philosophy in Marine and Atmospheric Sciences

Yicheng Huang

*Impacts of Nonlinear Tides and Waves on Tidally Averaged
Sediment Movement at a Nascent Breach: Old Inlet Breach, Fire Island, NY*
Dr. Robert E. Wilson, Advisor

Evan Ingram

*Movement Ecology of Juvenile and Sub-adult Atlantic Sturgeon
in the Hudson River and New York Bight*
Dr. Michael G. Frisk, Advisor

Benjamin Kramer

*The Effects of Climate Change Processes on Nostocales: a N₂-fixing,
Bloom-forming, Toxin-producing Cyanobacterial Order*
Dr. Christopher J. Gobler, Advisor

Luis Medina

*Do Microplastics Contaminants Distort our Understanding of
the Ocean's Carbon Cycle?*
Dr. Gordon T. Taylor, Advisor

Adelle Molina

*From Individuals to Populations: The Impact of Climate Change on
the Physiology and Ecology of Northern Blue Crabs (*Callinectes sapidus*)*
Dr. Janet Nye, Advisor

Alyssa Stansfield

*An Exploration of Tropical Cyclone Precipitation Under
Climate Change Forcings*
Dr. Kevin A. Reed, Advisor

CANDIDATES FOR GRADUATE DEGREE
Doctor of Philosophy in Marine and Atmospheric Sciences

Han Sun

Connectivity Within a Large Partially Mixed Estuary
Dr. Robert E. Wilson, Advisor

Stephen Tomasetti

*Vulnerabilities of North Atlantic Shellfish to Perturbations
in Coastal Temperature, Oxygen, and pH*
Dr. Christopher J. Gobler, Advisor

Jia Wang

*Development of the Constrained Data Assimilation System and its
Applications to the Convective Events*
Dr. Minghua Zhang, Advisor

Wenda Zhang

Role of Coherent Ocean Vortices in Mesoscale Eddy Mixing
Dr. Christopher Wolfe, Advisor

Zeen Zhu

*A Remote sensing-based Investigation of Microphysics and
Dynamics of Marine Boundary Layer Clouds*
Dr. Pavlos Kollias, Advisor

Closing Remarks, Dr. Paul Shepson, Dean

