

SMSOE Graduate Student Research Symposium

Thursday, March 28, 2024

Oral Presentations: 1:00 p.m. – Stilling Conference Room

Poster Presentations and Reception: 3:30pm

Awards Ceremony – 5:00 pm

12:30 – 1:00pm **Registration**

1:00 – 1:10 **Welcome**

- Kai Ziervogel, Chair, SMSOE Education Committee
- Diane Foster, Director, SMSOE

1:15 – 2:15 **Session 1**

- **Caroline Anderson, MS Oceanography**
The Role of Dissolved Organic Phosphorus Uptake in Satisfying Total Phosphorus Demand by Phytoplankton
- **Grace McCulloch, MS Natural Resources & the Environment**
*Preparing for the future: Understanding current Saltmarsh Sparrow (*Ammospiza caudacuta*) habitat in New Hampshire*
- **Grant Milne, PhD, Marine Biology/Acoustics**
Comparing the Soundscapes of Coastal New England Marine Habitats
- **Mamun (Mamunur Rashid) Patwary, PhD, Mechanical Engineering**
Hydrodynamic Modeling of Kelp Farms: From an Aggregate of Kelp to a Longline System

2:15 – 2:30 **Break**

2:30 – 3:30 **Session 2**

- **Matthew Tyler, Marine Biology**
Using Random Forest models to predict kelp habitats at the Isles of Shoals
- **William Lush, PhD, Oceanography**
Validating global dispersal estimates using GDP drifter trajectories
- **Savannah DeVoe, PhD, Ocean Engineering**
Mobile sediment layer dynamics in nearshore environments
- **Ana Silverio, MS, Marine Biology**
Assessing the Resistance and Resilience of Recreational Fisheries to Extreme Events

3:30 – 5:30pm **Reception**

3:30 Poster Presentations

5:00 Symposium Awards