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*  
- **Mamum (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