

The URI CELS Colloquium Presents: **Paths to Productivity**

Possibilities for coastal wetlands, bivalves,
and undergrads in large lectures



Presented by:
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JOIN US!
CBLS 010
10/24/25
AT 3PM



Productivity is a pervasive metric of success in modern society. As a faculty member in Biological Science, productivity is a unifying theme that I strive to understand and promote from our coasts to our classrooms. My talk will present three stories:

- 🌿 In wetlands, I'll summarize research aimed at maximizing the growth of plants while minimizing release of greenhouse gases from nitrogen-loaded soils.
- 🌿 In bivalves, I'll show an experiment that found their growth was robust in warming and nitrogen-enriched conditions but surprising changes occurred with the functions of their microbes with interesting implications for coastal sustainability.
- 🌿 Lastly, in our classrooms, approaches of inclusive teaching and active learning were found to improve grades of our introductory biology students at URI, with lasting positive effects.