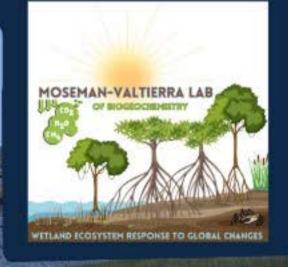
The URI CELS Colloquium Presents: Paths to Productivity

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



JOIN US! CBLS 010 10/24/25 AT 3PM Presented by: Dr. Serena Moseman-Valtierra





<u>Productivity</u> 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 <u>classrooms,</u> approaches of inclusive teaching and active learning were found to improve grades of our introductory biology students at URI, with lasting positive effects.