

ENVIRONMENTAL INSIGHTS

NEWS FROM THE UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE



Building a sustainable seafood system: USDA funds research to overcome challenges of recirculating aquaculture systems

To feed an ever-growing world, scientists are working on sustainable ways to produce protein, and land-based aquaculture has become an increasingly viable way. The USDA awarded \$10 million to support the Sustainable Aquaculture Systems Supporting Atlantic Salmon program, a U.S./global partnership between academia and industry to foster the development of environmentally sustainable, economically feasible Atlantic salmon farming in the U.S. UMCES Professor Al Place's research will focus on developing environmentally responsible feeds for salmon stock and ensuring fish quality, particularly taste.

"For me the interesting aspect of this research deals with the big issues of life. How will we

feed 11 billion people on this planet? In principle, aquaculture can produce sufficient food and protein to sustain the planet,” said Al Place. [MORE](#)

DolphinWatch celebrates fifth anniversary with book



The Chesapeake DolphinWatch team is sharing a book featuring photos contributed from dolphin watchers and what researchers have learned about bottlenose dolphins in the Chesapeake Bay. Since launching the popular app in 2017, there are nearly 8,000 registered users that keep their eyes on the Bay and regularly send in photos of dolphins that researchers use to understand more about the species in Maryland.

“The book is a thank you to all of our DolphinWatchers, and all donations go towards our dolphin research and to providing copies to schools and public libraries around the Chesapeake Bay,” said project leader Helen Bailey. [MORE](#)

Next Generation: Nicole Trenholm on the Arctic Ocean



Graduate research assistant Nicole Trenholm has studied the oceans from the Atlantic to the Arctic. She has observed how increases of glacial meltwater not only influence the livelihood of the high latitude coastal marine ecosystem but have global impacts. She wishes to continue working as an oceanographer to conduct collaborative polar ocean research.

"My physical, biogeochemical and optical ocean observations along the glaciated coastline will characterize the impacts of increased glacial meltwater discharge on the Earth's oceans." said Trenholm. [MORE](#)

Photo by Kristin Rutkowski



UMCES IN THE NEWS

It's oyster season! Check out all things oyster in Baltimore magazine's "The Mighty Oyster" feature, including a look inside UMCES' oyster hatchery at the Horn Point Laboratory in Cambridge and an interview with graduate student Imani Black, founder of Minorities in Aquaculture. [MORE](#)

What does the Climate Change Conference mean for the Chesapeake Bay? (Direct Connection-MPTV)

How is it raining plastic?! (SciTech Daily)

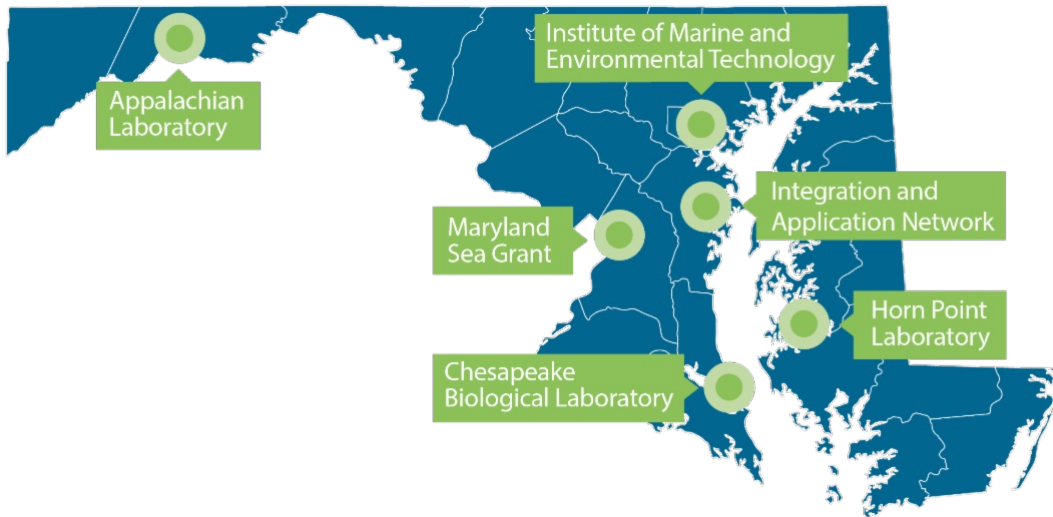
What's on the Thanksgiving table in a hotter, drier world? (Washington Post)

Growing forests can help heal tropical aquatic ecosystems (Eco-Business)

Living in a warmer world - why we'll all have to adapt (ITV-United Kingdom)

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