

# ENVIRONMENTAL INSIGHTS

NEWS FROM THE UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE

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## UMCES President Peter Goodwin announces retirement

After a 40-year career in science and higher education culminating in leading Maryland's university for the environment, University of Maryland Center for Environmental Science President Peter Goodwin has announced his retirement at the end of this academic year.

"UMCES is a very special community within a unique institution driven by a common mission to represent the very best that science has to offer the environment. It has been the honor of a lifetime to lead UMCES toward its second century of impact in Maryland and around the world," said Goodwin. [MORE](#)

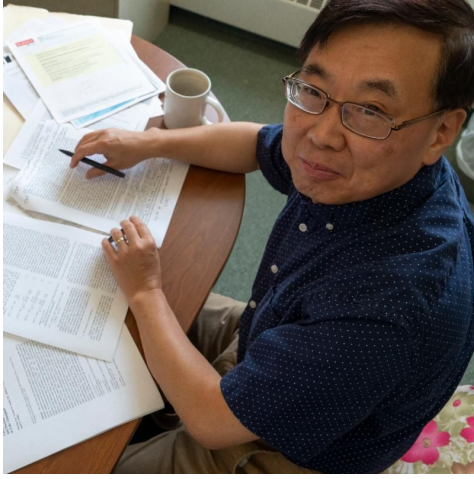


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## New insights on why improvements to Chesapeake Bay remain a challenge

UMCES researchers looked at the Bay's historic response to efforts to reduce nutrients to minimize dead zones—areas with too little oxygen to support marine life—and found there is a pollution threshold after which it takes twice the effort to make a change.

“Once nutrient pollution crosses a threshold and



the system enters a eutrophic state, it will take a much larger reduction to return to the original state," said study co-author Ming Li. [MORE](#)

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## Next Generation: Majeed Alrefaie on the role of microalgae in biofuel

Graduate student Majeed Alrefaie is working to better understand the processes that microalgae undergo that result in byproducts used in biofuel, bioremediation and pharmaceuticals, which can help reduce carbon footprints, improve air quality, and clean up water sources.

"This research is crucial as it has the potential for sustainable large-scale production of biofuels with lower process costs, risks of contamination, and reduction in production time," said Alrefaie. [MORE](#)



## UMCES IN THE NEWS

If it snows Wednesday, it would be Baltimore's fifth latest first measurable snowfall (Baltimore Sun)

New Insights on Why Improvements to Chesapeake Bay Remain a Challenge (ECO Magazine)

Warming water threatens aquatic life in Chesapeake Bay (Sun Gazette)

In Hong Kong, dolphins are drowning in noise pollution (National Geographic-France)

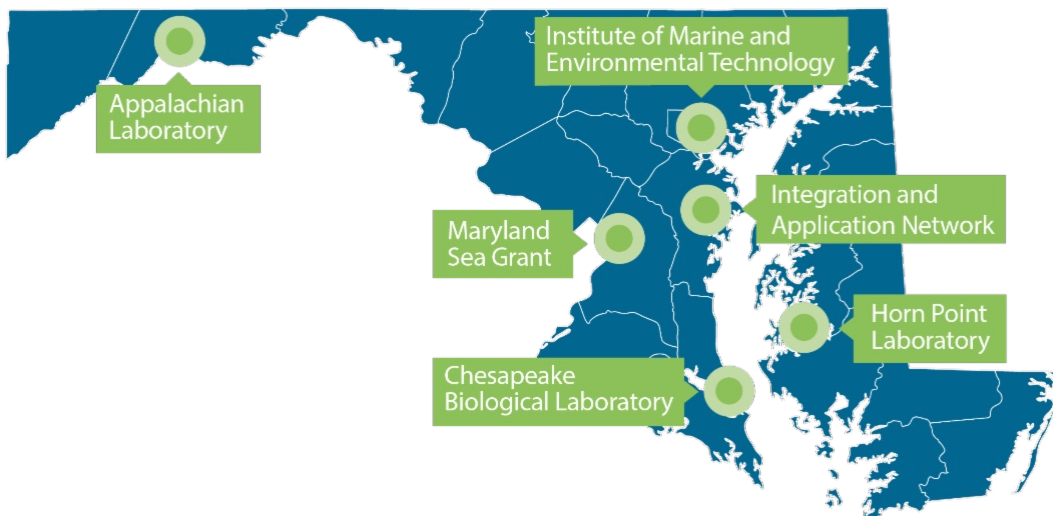
At the top of the world: Chesapeake Biological Laboratory scientists take part in scientific cruise to North Pole (Southern Maryland News)

Plastic particles are contaminating our oceans | What this chemist has discovered (Finding Genius Podcast)

U.S. Senate passes \$18M for Eastern Shore (Bay to Bay News)

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