

Krisa M. Arzayus, Ph. D.
Curriculum Vitae
August 2022

January 2018-present: Supervisory Program Manager, U.S. IOOS Office, NOAA/NOS

- Deputy Director for the U.S. IOOS Office
- Designated Federal Official for the U.S. IOOS Advisory Committee (IOOS AC)

November 2015-January 2018: Supervisory Physical Scientist, NCEI, NOAA/NESDIS

- Chief, Oceanographic Sciences Division
- Acting deputy director for the Center for Coasts, Oceans, and Geophysics

Feb. 2011-January 2015: Supervisory Physical Scientist, NODC, NOAA/NESDIS

- Chief, Marine Data Stewardship Division
- Acting deputy director of NODC

January 2008-February 2011: Supervisory Physical Scientist, Climate Program Office, NOAA/OAR

- Chief of the Planning and Programming Division
- Deputy Climate Goal Lead

March 2007-January 2008: Oceanographer, ZP-IV, Climate Program Office, NOAA/OAR

- Associate Program Manager/Science Officer in the Climate Observation/Climate Observation Division

June 2003-March 2007: Oceanographer, ZP-IV, Office of Planning, Programming, and Evaluation, NOAA/Office of Oceanic and Atmospheric Research (OAR)

- Climate team lead- provided scientific, programmatic and technical support to OAR's Assistant Administrator, Deputy Administrator, and the Climate Goal Lead

August 2002-July 2003, Postdoctoral Associate, Skidaway Institute of Oceanography, Savannah, GA

- Organic geochemistry- My post-doctoral research focused on anaerobic methane oxidation in the Black Sea and Mono Lake, CA

January 2002-August 2002, Program Specialist II, UCAR/Climate Program Office

- Assistant program manager for the CPO Atmospheric Chemistry (\$1.5M) and Global Carbon Cycle (\$4.0M) Programs

February 2001-January 2002, Knauss Sea Grant Fellow, Climate Program Office

- Support for the Global Carbon Cycle Program

Education

2002, Ph.D. in Marine Science, College of William and Mary/Virginia Institute of Marine Science, Gloucester Point, VA

1995, B.S. in Chemistry, Magna cum laude, Moravian College, Bethlehem, PA

Honors

- 2017 NOAA Silver Sherman Award- *For her unwavering commitment to the NOAA mission and its people.*
- 2016 NOAA Bronze Medal Award (group award)- *For creating the Global Ocean Acidification Observing Network, a collaborative international approach to document the progress of ocean acidification.*
- 2010 NOAA Bronze Medal Award- *For developing the successful research-to-operation transition of Climate Sea Surface Temperature Observing System Design, Implementation and Performance Monitoring.*
- 2008 NOAA Administrator's Award (group award)- *For outstanding leadership in and dedication to developing U.S. CCSP Synthesis & Assessment Products integrating climate research for decision support.*

Professional Society Memberships

American Geophysical Union

Select Publications

Jewett, E. B., E. B. Osborne, K. M. Arzayus, K. Osgood, B. J. DeAngelo, J. M. Mintz. Eds. (2020): NOAA Ocean, Coastal, and Great Lakes Acidification Research Plan: 2020-2029, <https://oceanacidification.noaa.gov/ResearchPlan2020>

Jiang, L.-Q., S. A. O'Connor, K. M. Arzayus, A. R. Parsons (2015), A Metadata Template for Ocean Acidification Data, *Earth Syst. Sci. Data*, 7, 117-125, doi:10.7289/V5C24TCK

Arzayus, K. M., Canuel, E.A. (2004) Organic matter degradation in sediments of the York River estuary: effects of biological vs. physical mixing, *Geochimica et Cosmochimica Acta*, 69:455-463.

Arzayus, K. M., Dickhut, R.M., Canuel, E.A. (2002) Effects of physical mixing on the attenuation of polycyclic aromatic hydrocarbons in estuarine sediments, *Organic Geochemistry*, 33:1759-1769. Arzayus, K. M., Dickhut, R. M., Canuel, E. A. (2001) Evidence for atmospheric flux in controlling the distribution of polycyclic aromatic hydrocarbons (PAHs) in Chesapeake Bay sediments, *Environmental Science and Technology*, 35:2178-2183.

Dickhut, R. M., Canuel, E. A., Gustafson, K. E., Liu, K., Arzayus, K. M., Walker, S. E., Edgecombe, G., Gaylor, M. O., MacDonald, E. H. (2000) Automobiles as a source of carcinogens to Chesapeake Bay. *Environmental Science and Technology*, 34:4635-4640.