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Professional Preparation

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| Smith College | Northampton, MA | Biological Sciences | B.A. 1998 |
| University of Rhode Island | Narragansett, RI | Biological Oceanography | Ph.D. 2006 |

Appointments

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| 2015- | Associate Professor, UMCES, Chesapeake Biological Laboratory |
| 2007-2015 | Assistant Professor, Chesapeake Biological Laboratory |
| 2005-2007 | Post-Doctoral Scientist, Marine Biological Lab Ecosystems Center, Woods Hole |

10 Relevant Publications and Reports

Najjar, R. G., Herrmann, M., Cintrón Del Valle, S. M., Friedman, J. R., Friedrichs, M. A., Harris, L. A., ... & Woodland, R. J. (2020). Alkalinity in tidal tributaries of the Chesapeake Bay. *Journal of Geophysical Research: Oceans*, 125(1), e2019JC015597.

Pennino, M.J., Kaushal, S.S., Murthy, S.N., Blomquist, J.D., Cornwell, J.C. and Harris, L.A., 2016. Sources and transformations of anthropogenic nitrogen along an urban river-estuarine continuum. *Biogeosciences*, 13(22), p.6211.

Harris, L.A., C.L. Hodgkins, M.C. Day, D. Austin, J. Testa, W. Boynton, L. Van Der Tak, and N. Chen. 2015. Optimizing recovery of eutrophic estuaries: impact of destratification and re-aeration on nutrient and dissolved oxygen dynamics. *Ecological Engineering*. 75:470-483

Cornwell, J.C., M. S. Owens, W. R. Boynton, and L.A. Harris. 2016. Sediment-water nitrogen exchange along the Potomac River estuarine salinity gradient. *Journal of Coastal Research*. 32: 776-787

Testa, J.M., W.M. Kemp, L.A. Harris, R.J. Woodland and W.R. Boynton. 2016. Challenges and directions for the advancement of estuarine ecosystem science. *Ecosystems*.

Liang, D., Harris, L., Testa, J., Lyubchich, V. and Filoso, S., 2019. Detection of the effects of stormwater control measure in streams using a Bayesian BACI power analysis. *Science of The Total Environment*.

Ehrich, M.K. and L.A. Harris. 2015. A review and improvement of existing eastern oyster filtration rate models. *Ecological Modelling*. 297:201-212

Ganju, N.K., M.J. Brush, B. Rashleigh, A.L. Aretxabaleta, P. del Barrio, J.S. Grear, L.A. Harris et al. 2016. Progress and Challenges in Coupled Hydrodynamic-Ecological Estuarine Modeling. *Estuaries and Coasts*: 39: 311-332

Harris, L.A., C.L. Hodgkins, M.C. Day, D. Austin, J. Testa, W. Boynton, L. Van Der Tak, and N. Chen. 2015. Optimizing recovery of eutrophic estuaries: impact of destratification and re-aeration on nutrient and dissolved oxygen dynamics. *Ecological Engineering*. 75:470-483

Harris, L.A., T. Fisher, J. Hagy, D. Liang, and M. Sutula. 2017. Scientific and Technical Advisory Committee Peer Review of Revised Proposal for James River Chlorophyll-a Criteria. STAC Publication Number 17-006, Edgewater, MD. 19 pp. [UMCES Technical Report Series No. TS-697-16].

(i) Synergistic Activities

Reviewer of proposals for:

U.S. E.P.A., North Carolina Sea Grant, National Science Foundation, USAID, Massachusetts Sea Grant, Hudson River Foundation, National Academy of Sciences

Reviewer of manuscripts for:

J of Plankton Research, Ocean & Coastal Management, J of Sea Research, J of Restoration Ecology, Ecological Modelling, Estuarine, Coastal, & Shelf Science, Botanica Marina, Estuaries and Coasts, Environmental Management, Marine Ecology Progress Series, Ecological Engineering, Environmental Monitoring & Assessment, Journal of Geoscience Education

Conference co-chair for:

2013 CERF San Diego ("Ecology of Coasts and Estuaries: Nutrients and Phytoplankton"), 2014 1st International Workshop on Urbanization in Watersheds: Ecological and Environmental Responses Xiamen, China ("Short and long-term impacts of urbanization in watersheds"). Steering Committee and Symposium Co-Chair International Society for Ecological Modelling Global Conference 2016 ("Ecological Modelling and Environmental Management"), CERF 2019 co-chair Tidal Urban Ecosystems and Participatory Modeling Special Sessions, Conference co-chair 2021 CERF meeting

Inclusion and Diversity Efforts:

Founding investigator of "Centro Tortuga", a program for early undergraduate Hispanic students to gain exposure to the geosciences funded through the NSF IUSE GEOPATHS program. Member of Broadening Participation Council for CERF. Co-organizer for 2017 inaugural "Rising TIDES" program to mentor underrepresented students and provide training to membership. Participant and PI in NSF Geosciences Opportunities in Leadership in Diversity (GOLD) program. Co-PI SEAS Islands Alliance in the NSF INCLUDES Alliance program.

Transfer of science to management:

Member Chesapeake Bay Program SAV Workgroup. Member Chesapeake Bay Program Integrated Trends Analysis Team, Participatory Modeling for Delmarva Peninsula Lagoon Water Quality, National Research Council Committee Review of the Edwards Aquifer Conservation Program, Chair of STAC peer review for James River Chlorophyll-a criteria, member Chesapeake Bay Sentinel Site Cooperative, member Chesapeake Bay Program Diversity Workgroup