CV - Marci Meixler

Rutgers University, Dept of Ecology, Evolution, & Natural Resources, 14 College Farm Road, New Brunswick, NJ 08901

Appointments

2018- Associate Professor, Dept of Ecology, Evol and Natural Res, Rutgers University
2012-2018 Assistant Professor, Dept of Ecology, Evol and Natural Res, Rutgers University
2010-2012 Assistant Research Professor, Dept of Ecology, Evol and Nat Res, Rutgers University
1995-2009 Research Support Specialist III, Dept of Natural Resources, Cornell University

Selected recent publications *(out of 26) (*Student Mentee)*

M. S. Meixler, K. Fisher and E. W. Sanderson. (in revision). Latitude-enhanced species-area relationships for plants and vertebrate animals in New York City calibrated for climate change. Landscape Ecology.

Meixler, **M. S.,** M. J. Kennish, and G. Sakowicz. 2018. Long-term epifaunal community assessment in estuarine waters of New Jersey. Bulletin of the New Jersey Academy of Sciences, 63(1): 9-17.

Meixler, M. S., M. J. Kennish, and K. F. Crowley. 2018. Assessment of Plant Community Characteristics in Natural and Human-Altered Coastal Marsh Ecosystems. Estuaries and Coasts, 41(1): 52–64. DOI 10.1007/s12237-017-0296-0 [cover photo of issue]

Meixler, M. S. 2017. Assessment of Hurricane Sandy damage and resulting loss in ecosystem services in a coastal-urban setting. Ecosystem Services, 24: 28-46.

*Hopper, T. and **M. S. Meixler**. 2016. Modeling Coastal Vulnerability through Space and Time. PLoS ONE, 11(10), e0163495. doi: 10.1371/journal.pone.0163495

H.J. Lynch, H. J, R. White, R. Naveen, A. Black, **M. S. Meixler**, and W. Fagan. 2016. In stark contrast to widespread declines along the Scotia Arc, a survey of the South Sandwich Islands finds a robust seabird community. Polar Biology: 1-11.

*Hauser, S., **M. S. Meixler,** and M. Laba. 2015. Quantification of impacts and ecosystem services loss in New Jersey coastal wetlands due to Hurricane Sandy storm surge. Wetlands, 35(6): 1137-1148. ***Press coverage by Earthzine***

Meixler, M. S. and M. B. Bain. 2015. Modeling aquatic macroinvertebrate richness using landscape attributes. International Journal of Ecology, 2015: 926526.

Walter, J. A., **M. S. Meixler**, T. Mueller, W. Fagan, P. C. Tobin, and K. J. Haynes. 2015. How topography induces reproductive asynchrony and alters gypsy moth invasion dynamics. Journal of Animal Ecology, 84(1): 188-198.

Meixler, M. S. and M. B. Bain. 2012. A GIS framework for fish habitat at the river basin scale. International Journal of Ecology 2012: 146073.

Meixler, M. S. and M. B. Bain. 2011. Predicting ecological outcomes of stream creation using fish community attributes. Ecological Engineering 37: 1420-1424.

Meixler, M. S. 2011. Application of the target fish community model to an urban river system. Journal of Environmental Management 92: 1138-1147.

Meixler, M. S. and M. B. Bain. 2010. Landscape scale assessment of stream channel and riparian habitat restoration needs. Landscape and Ecological Engineering 6(2): 235-245.

Meixler, M. S. and M. B. Bain. 2010. A water quality model for regional stream assessment and conservation targeting. Environmental Management 45(4): 868-880.

Meixler, M. S., M. B. Bain and M. T. Walter. 2009. Predicting barrier passage and habitat suitability for migratory fish species. Ecological Modelling 220(20): 2782-2791.

Meixler, M. S., K. A. Arend, and M. B. Bain. 2005. Fish community support in wetlands within protected embayments of Lake Ontario. Journal of Great Lakes Research, 31(S1): 188-196.

Awards

Merit Award in the Landscape Architectural Research category, NJASLA, 2019
President's Excellence in Teaching Award, Rutgers University, Rutgers University, 2018
Dean's Excellence in Teaching Award, School of Environmental and Biological Sciences, 2016

Teaching

Undergraduate and graduate Landscape Ecology at Rutgers University 2010, 2012, 2014, 2016, 2018
Intermediate Environmental Geomatics at Rutgers University 2010-2018
Undergraduate and graduate Wetland Ecology at Rutgers University 2010, 2011, 2013, 2015
Freshwater Ecology (formerly limnology) at Rutgers University 2013-2019
Fundamental Environmental Geomatics at Rutgers University 2011, 2013-2018
Sustainable Environmental Management at Rutgers University 2012-2019
Conservation Techniques at Rutgers University 2012-2018
Aquatic Ecology at Rutgers University, 2018

Selected synergistic activities

Organizer, GIS awareness day, Rutgers University, 2011-2017
Organizer and moderator, Society of Wetland Scientists regional meeting, 2012
Advisor (GISCorps), Niassa National Reserve, Mozambique, 2010-2011
Advisor, Sassafras River Association, 2010-2011

Advisor, Native Fish Diversity Ad-Hoc Committee, Am. Fisheries Society NY, 2008-2011
Advisor, Northeast Aquatic Habitat Mapping workgroup, TNC, 2007-2008
Organizer, International GIS cooperators symposium, 2005
Advisor, Charles River Watershed Association, 2004-2005
Advisor, Brookhaven National Laboratory, 2002
Moderator, Fisheries GIS Symposium, American Fisheries Society, 2000

Leadership and service
Speaker on the faculty perspective, First Year Student Induction Ceremony, 2017
Chair, DEENR assessment committee, 2015-present
Member, participating faculty in the graduate certification program in GIS, 2015-present
Member, Environmental Geomatics committee, Rutgers University, 2014-present
Member, Sustainable degree program development, Rutgers University, 2013-present
Chair, Ad hoc online course development committee, Rutgers University, 2012-present