

Recent Publications by the UMaine Community

[Spatial and temporal trends of mercury in the aquatic food web of the lower Penobscot River, Maine, USA, affected by a chlor-alkali plant](#)

Kopec, AD; Kidd, KA; Fisher, NS; Bowen, M; Francis, C; Payne, K; Bodaly, RA

Science of The Total Environment

[Abatement of Streptococcus equi in Soiled Equine Bedding and Compost](#)

Poulin, A; Hutchinson, M; Dube, M; Stokes, M; Mitchell, S; Edwards, A; Harvey, K; Myer, A; **Causey, R**

JOURNAL OF EQUINE VETERINARY SCIENCE

[Aligned-SWCNT film laminated nanocomposites: Role of the film on mechanical and electrical properties](#)

Sui, C; Pan, ZX; Headrick, R; **Yang, YC**; Wang, C; Yuan, JT; He, XD; Pasquali, M; Lou, J

CARBON

[Larch Tree Rings as a Tool for Reconstructing 20th Century Central European Atmospheric Mercury Trends](#)

Navratil, T; Novakova, T; Shanley, JB; Rohovec, J; Matouskova, S; Vankova, M; **Norton, SA**

ENVIRONMENTAL SCIENCE & TECHNOLOGY

[Estimating carbon loss due to internal decay in living trees using tomography: implications for forest carbon budgets](#)

Marra, RE; Brazee, NJ; **Fraver, S**

ENVIRONMENTAL RESEARCH LETTERS

[Carbonation activated binders from pure calcium silicates: Reaction kinetics and performance controlling factors](#)

Ashraf, W; Olek, J

CEMENT & CONCRETE COMPOSITES

[A shadowing-based inflation scheme for ensemble data assimilation](#)

Bellsky, T; Mitchell, L

PHYSICA D-NONLINEAR PHENOMENA

[Local adaptation reduces the metabolic cost of environmental warming](#)

Moffett, ER; Fryxell, DC; Palkovacs, EP; **Kinnison, MT**; Simon, KS

ECOLOGY

Recent Publications by the UMaine Community

[A COMMON GARDEN EXPERIMENT WITH PORPHYRA UMBILICALIS \(RHODOPHYTA\) EVALUATES METHODS TO STUDY SPATIAL DIFFERENCES IN THE MACROALGAL MICROBIOME](#)

Quigley, CTC; Morrison, HG; **Mendonca, IR**; **Brawley, SH**

JOURNAL OF PHYCOLOGY

[Effects of Weather Conditions on Tourism Spending: Implications for Future Trends under Climate Change](#)

Wilkins, E; **de Urioste-Stone, S**; **Weiskittel, A**; **Gabe, T**

JOURNAL OF TRAVEL RESEARCH

[Embracing scale-dependence to achieve a deeper understanding of biodiversity and its change across communities](#)

Chase, Jonathan M., **McGill, Brian J.**, McGlinn, Daniel J., May, Felix, Blowes, Shane A., **Xiao, Xiao**, Knight, Tiffany M., Purschke, Oliver, Gotelli, Nicholas J.

ECOLOGY LETTERS

[Spores and soil from six sides: interdisciplinarity and the environmental biology of anthrax \(*Bacillus anthracis*\)](#)

Carlson, Colin J. Getz, Wayne M. Kausrud, Kyrre L. Cizauskas, Carrie A. Blackburn, Jason K. Carrillo, Fausto A. Bustos . Colwell, Rita . Easterday, W. Ryan . Ganz, Holly H. **Kamath, Pauline L.** Okstad, Ole A. Turner, Wendy C. Kolsto, Anne-Brit . Stenseth, Nils C.

BIOLOGICAL REVIEWS

[Preventing chemical release in hurricanes](#)

Miner, Kimberley, Wayant, Nicole, Ward, Heather

Science

[Turbulence and hypoxia contribute to dense biological scattering layers in a Patagonian fjord system](#)

Perez-Santos, Ivan. Castro, Leonardo . **Ross, Lauren** . Niklitschek, Edwin . Mayorga, Nicolas . Cubillos, Luis . Gutierrez, Mariano . Escalona, Eduardo . Castillo, Manuel . Alegria, Nicolas . Daneri, Giovanni .

Ocean Science

[Real-time inverse distance weighting interpolation for streaming sensor data](#)

Liang, Qinghan. Nittel, Silvia. Whittier, John C. de Bruin, Sytze

Transactions in GIS

[Summertime resource selection and reproductive effects on survival of Ruffed Grouse](#)

Recent Publications by the UMaine Community

Mangelinckx, Joelle M. Davis, Samantha R. B., Blomberg, Erik J. Allen, R. Bradford. Sullivan, Kelsey

Auk

[Implications of future climatic uncertainty on payments for forest ecosystem services: The case of the East Coast of New Zealand](#)

Monge, Juan J., **Daigneault, Adam J.**, Dowling, Leslie J., Harrison, Duncan R., Awatere, Shaun, Ausseil, Anne-Gaelle

ECOSYSTEM SERVICES

[Stochastically pumped adaptation and directional motion of molecular machines](#)

Astumian, R. Dean

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA

[Consumer preferences for seafood attributes of wild-harvested and farm-raised products](#)

Brayden, W. Christian, Noblet, Caroline L., Evans, Keith S., Rickard, Laura

AQUACULTURE ECONOMICS & MANAGEMENT

[A dynamic stall model for analysis of cross-flow turbines using discrete vortex methods](#)

Urbina, Raul. Peterson, Michael L. Epps, Brenden P. Kimball, Richard W.

Renewable Energy

[Seeing clearly in a virtual reality: Tourist reactions to an offshore wind project](#)

Teisl, Mario F., Noblet, Caroline L., Corey, Richard R., Giudice, Nicholas A.

Energy Policy

[Multiline anchor force dynamics in floating offshore wind turbines](#)

Fontana, Casey M., Hallowell, Spencer T, DeGroot, Don J , **Landon, Melissa E.** Aubeny, Charles P. , Diaz, Brian

Wind Energy

[Concerning an infinite series of Ramanujan related to the natural logarithm](#)

Bradley, David M

RAMANUJAN JOURNAL

[Patterns and drivers of recent disturbances across the temperate forest biome](#)

Recent Publications by the UMaine Community

Sommerfeld, Andreas, Senf, Cornelius, Buma, Brian, D'Amato, Anthony W., Despres, Tiphaine, Diaz-Hormazabal, Ignacio, **Fraver, Shawn**, Frelich, Lee E., Gutierrez, Alvaro G., Hart, Sarah J., Harvey, Brian J., He, Hong S., Hlasny, Tomas, Holz, Andres, Kitzberger, Thomas, Kulakowski, Dominik, Lindenmayer, David, Mori, Akira S., Mueller, Joerg, Paritsis, Juan, Perry, George L. W., , Stephens, Scott L., Svoboda, Miroslav, Turner, Monica G., Veblen, Thomas T, Seidl, Rupert

NATURE COMMUNICATIONS

[LOCAL UNITARY PERIODS AND RELATIVE DISCRETE SERIES](#)

Smith, Jerrod Manford

PACIFIC JOURNAL OF MATHEMATICS