

Thomas J Mozdzer, Ph.D.

Department of Biology
Bryn Mawr College
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Bryn M81(B)rt5P4341[dllge

PEER-REVIEWED PUBLICATIONS (27 TOTAL , 15 FIRST OR STUDENT FIRST AUTHOR)

Bernal, B, J. P. Megonigal, & T.J. Mozdzer. An invasive wetland grass primes deep soil carbon pools. . doi:10.1111/gcb.13539

Packer, J. L.A. Meyerson, D.M. Richardson, G. Brundu, W.J. Allen, G.P.Bhattacharai, H.

. d 0 Tc 0 Tw (.00.5(i)-2.4(:100 Td 3(e)-10.3)]TJ 0d)-15.CiTWTw 5(:]TJ r)3.7(ass)10.9(p)]15.1005(e)11

- 2014 Silliman, B.R., T.J. Mozdzer, C. Angelini, J.E. Brundage, J.P. Bakker, P. Esslink, J. van de Koppel, A.H. Baldwin. Livestock as a biological control agent for an invasive wetland plant. . doi: 10.7717/peerj.567.
- 2014 Hazelton*, E.L.G, T.J. Mozdzer*, D. Burdick, K.M. Kettenring, & D. Whigham . Phragmites australis management in the United States: 40 years of methods and outcomes. plu001 doi: 10.1093/aobpla/plu001
Invited review
- 2013 Mozdzer, T. J.,

- 2008 Kathilankal, J.C., T.J. Mozdzer, J.D. Fuentes, P. D'Odorico, K.J. McGlathery, & J.C. Zieman. Tidal influences on carbon assimilation by salt marshes. 3: 044010 (6pp). doi:10.1088/1748-9326/3/4/044010
- 2003 Mozdzer, T. J., P. Kramao2-T5L3 AP . Pikeicn.in a **fec**57.(ti)-21(sc)-196s o10.6(f)69. ii(n)

ORAL PRESENTATIONS (41 TOTAL & 7 STUDENT * & 7 POSTDOC ** 1ST AUTHOR S)

2016 Warren, R.S., D.S. Johnson, L.A. Deegan & T.J. Mozdzer. "Plot level results to ecosystem level responses: Extrapolate with caution. New England Estuarine Research Society Meeting, 20-22 October, Block Island, RI.

2016 Mozdzer, T.J., M.K. McCormick, C, Bauer, J.L. Bowen, L.A. Deegan. Longterm nitrogen fertilization reduces *Spartina alterniflora* genetic diversity altering ecosystem stability. Society of Wetland Scientists Annual Meeting, 31 May- 4 June, Corpus Christi, TX. Invited presentation.

2016 Bernal, B**, J.P. Megoniga5(r)3.76i81.5(o)2.5(r)3.7(p)3.2([(2016)11()])TJ /TT0 1 Tf 3.261 0 Td [(Mo)1.7
2016

- 2015 Hager, R.N.* , J. Meschter, P. Mueller, J.P. Megonigal, & T.J. Mozdzer. Phragmites australis invasion influences brackish marsh methane emissions. Society of Wetland Scientists Annual Meeting, 31 May- 4 June, Providence, RI Invited presentation.
- 2015 Meschter, J.* T.J. Mozdzer, J.P. Megonigal, & A. Baldwin. Deeply rooting Phragmites australis utilized deep N pools to circumvent competition with native species and meet higher aboveground nitrogen demand. Society of Wetland Scientists Annual Meeting, 31 May- 4 June, Providence, RI. Invited presentation.
- 2014 Caplan, J.S** , R.N. Hager, J.P. Megonigal, & T. J. Mozdzer. Seasonal carbon fixation by an invasive wetland grass under global change scenarios. Joint Aquatic Sciences Meeting, 18-23 May, Portland, OR. Invited presentation.
- 2014 Hager, R.N. *, J.S. Caplan, J.P. Megonigal, & T. J. Mozdzer Seasonal carbon fixation by an invasive wetland grass under global change scenarios. Joint Aquatic Sciences Meeting, 18-23 May, Portland, OR. Invited presentation.
- 2014 Mozdzer , T.J., J.A. Langley & S. Chapman. IGNITE sub-session: Nutrient pollution and tidal wetland viability – the lightning round. Joint Aquatic Sciences Meeting, 18-23 May, Portland, OR.
- 2014 Hager, R.N*, J.S. Caplan, J.P. Megonigal, & T.J. Mozdzer. Phragmites australis functional traits and carbon fixation are affected by anthropogenic climate change. Atlantic Estuarine Research Society Meeting, 27-29 March, 2014, Ocean City, MD. – Outstanding student presentation award.
- 2013 Mozdzer, T.J., M.K. McCormick, & J. P. Megonigal. Effects of elevated CO₂ and nitrogen on Phragmites australis invasion . Coastal and Estuarine Research Federation Meeting, 3-8 November, San Diego, CA.
- 2013 Meschter, J.,* P. Mueller, T.J. Mozdzer, J. P. Megonigal, A. Baldwin, K. Jensen. Quantifying methane gas fluxes in relation to invading Phragmites Australis in tidal brackish marshes in a tributary of the Chesapeake Bay. Coastal and Estuarine Research Federation Meeting, 3-8 November, San Diego, CA
- 2013 Mozdzer, T.J., J.A. Langley, P. Muller, & J. P. Megonigal. Deep rooting and elevated CO₂ facilitate Phragmites australis invasion of tidal wetlands. Coastal and Estuarine Research Federation Meeting, 3-8 November, San Diego, CA

- 2014 Mozdzer, T.J., M.K. McCormick, J.L. Bowen, L.A. Deegan. Chronic nutrient pollution causes a shift in genotype diversity and identity in a New England salt marsh. Plum Island Ecosystems LTER All Scientists Meeting, 27-28 April, Woods Hole, MA.
- 2012 Hagerty, S.B.* , Langley, Mozdzer, T.J., Aoki, L.R.*. Megonigal, J.P. Methane production and emissions from a tidal wetland under multifactor global change. 97th Annual Meeting of the Ecological Society of America, 5-10 August, Portland, OR.
- 2012 Mozdzer, T.J., Megonigal, J. P. & Gonzalez, D*. Global change and cryptic invasion increase methane emissions. Spring Meeting of the Atlantic Estuarine Research Society, 8-10, March, Cape May, NJ.
- 2009 Mozdzer, T.J., Hutto, C., Clarke, P.A., Field, D. Efficacy of imazapyr and glyphosate in the control of *Phragmites australis*. 24th Annual Environmental Sciences Research Symposium, 12 January, Charlottesville, VA. Best Presentation Award.
- 2008 Mozdzer, T.J., Hutto, C., Clarke, P.A., Field, D. Efficacy of imazapyr and glyphosate in the control of *Phragmites australis*. 14th National Conference on Coastal and Estuarine Restoration. 11-15 October, Providence, RI.
- 2008 Mozdzer, T.J., J.C. Zieman, & K.J. McGlathery. Latitudinal variation in the availability and utilization of dissolved organic nitrogen by the smooth cordgrass, *Spartina alterniflora*, in North American salt marshes. 23rd Annual Envirodays Research Symposium, 15 January, Charlottesville, VA. Best Presentation Award.
- 2007 Mozdzer, T.J., J.C. Zieman, & K.J. McGlathery. Latitudinal variation in the availability and utilization of dissolved organic nitrogen by the smooth cordgrass, *Spartina alterniflora*, in North American salt marshes. 10th International Symposium on Wetland Biogeochemistry, 1-4 April, Annapolis, MD. Best Presentation Award.
- 2006 Mozdzer, T.J., J.C. Zieman, & K.J. McGlathery. Latitudinal gradients in the utilization and availability of dissolved organic nitrogen by the smooth cordgrass, *Spartina alterniflora*, a cross LTER site study. 20-23 September, Estes Park, CO.
- 2005 Mozdzer, T.J., J.C. Zieman, & K.J. McGlathery. Dissolved organic nitrogen, a neglected pool of nitrogen in tidal marsh systems. 18th International Conference of the Estuarine Research Federation. 16-20 October, Norfolk, VA. 2nd Best Presentation Award.
- 2004 Mozdzer, T.J. and J.C. Zieman. Photosynthetic differences and the effects of salinity on nitrogen uptake in native and non-native *Phragmites australis* haplotypes. Spring Meeting of the Atlantic Estuarine Research Society, 25-27 March, Salisbury, MD. Best Presentation Award.
- 2003 Mozdzer, T.J. and J.C. Zieman. 2003. A comparative study of native and introduced *Phragmites australis* haplotypes in Virginia. LTER All Scientist Meeting, September 18-21, Seattle, Washington.
- 2002 Kramarz, P., Piskiewicz, A.,

European Conference on Ecotoxicology and Environmental Safety, SECOTOX, 20-24 August, Krakow, Poland.

- 1997 Chambers R.M., T.J. Mozdzer, & J.C. Ambrose. 1997. Effects of salinity and sulfide on nitrogen uptake of Phragmites and Spartina 14th International Conference, Estuarine Research Federation, Providence, RI.

INVITED RESEARCH SEMINARS

- 2017 Philadelphia Botanical Club, Philadelphia PA, 23, March
2016 Drexel University, Department of Biology, Philadelphia, PA, Feb 26.
2015 Bringing Wetlands to Markets, WBNEER, Boston, MA, May 13.
2014 Great Lakes Phragmites Collaborative, Webinar, November 12.
2013 Swarthmore College, Environmental Studies, Swarthmore, PA, May, 21.
2013 Villanova University, Department of Biology, Villanova, PA, April 4.
2012 Bryn Mawr College, Biology Department, Bryn Mawr, PA, November, 19.
2011 Montreal Botanical Garden, Montreal, Canada. October, 14.
2011 Rutgers University-Camden, Biology Department, Camden, NJ, March, 3.
2011 Sacred Heart University, Biology Department, Fairfield, CT. February, 15.
2010 Haverford College, Biology Department, Haverford, PA. November, 18.
2010 East Carolina University, Biology Department, Greenville, NC. October, 19.
2010 Monmouth University, Biology Department, Monmouth, NJ. May, 24.
2010 Patuxent Research Refuge, US. Fish & Wildlife Service, Laurel, MD. February, 25.
2009 Virginia Phragmites Manager's Workshop. VIMS, Gloucester, VA. April, 23.
2009 Smithsonian Environmental Research Center, Edgewater MD. February, 26.
2008 King's College, Department of Biology, Wilkes-Barre, PA. December, 2.
2008 Connecticut College, Botany Department, New London, CT. February, 6.
2007 Smithsonian Environmental Research Center, Edgewater MD. September, 27.

GRANTS , FELLOWSHIPS , & AWARDS (TOTAL FUNDING TO DATE : \$3,144,262)

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PROPOSALS IN REVIEW (\$1,118,332)

NSF-DEB-1652759: CAREER; Ecosystem responses to global change are mediated by environmental filtering of foundation species." (\$1,118,332) PI Thomas J. Mozdzer

SELECTED UNFUNDED PROPOSALS

NSF-DEB-

TEACHING EXPERIENCE

- x ECOLOGY, BIOL 220, Bryn Mawr College, Fall 2016
- x COASTAL & MARINE ECOLOGY, BIOL 323, Bryn Mawr College, Spring 2015
- x BIOLOGICAL EXPLORATION II: BIOLOGICAL INVASIONS, BIOL 113, Spring 2015
- x GLOBAL CHANGE BIOLOGY

STUDENT MENTORING

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PROFESSIONAL SERVICE

OUTGOING CHAIR - GLOBAL CHANGE ECOLOGY SECTION OF THE SOCIETY OF WETLAND - 2016

CHAIR –GLOBAL CHANGE ECOLOGY SECTION OF THE SOCIETY OF WETLAND SCIENTISTS- 2015

INTERNATIONAL SYMPOSIUM ORGANIZER

- x A model organism for understanding genetic - to ecosystem-level responses in a rapidly changing world, Society of Wetland Scientists, June, 2015 Providence, RI.
- x Nutrient Pollution Jeopardize Tidal Wetland Viability? A controversy revisited, Society of Wetland Scientists, May, 2014, Portland, OR.
- x Coastal and Estuarine Carbon Cycling, Biennial Meeting of the Coastal & Estuarine Research Federation, November, 2013, San Diego, CA.
- x Human impacts on the health and survival of tidal ecosystems, Biennial Meeting of the Coastal & Estuarine Research Federation, November, 2011, Daytona Beach, FL.
- x a European and North American Comparison, Society of Wetland Scientists, July 2011.

LOCAL SYMPOSIUM ORGANIZER –TRI-COLLEGE AND LOCAL UNIVERSITIES

- x , 29 March, 2016, Bryn Mawr , PA.
- x , 12 February, 2015, Bryn Mawr , PA.

VCR-LTER GRADUATE STUDENT SITE REPRESENTATIVE, 2007- 2008

UNIVERSITY OF VIRGINIA GRADUATE STUDENT ASSOCIATION TREASURER, 2003–2004

PEER REVIEW

AoB PLANTS, Acta Oecologica, Aquatic Botany, American Journal of Botany, Biological Invasions, Ecological Engineering, Ecology, Ecopshere, Ecosystems, Estuaries & Coasts, Environmental Research, Environment International, Functional Ecology, Geophysical Research letters, Global ChoE

