

# Thomas J Mozdzer, Ph.D.

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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)117

- 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.,



ORAL PRESENTATIONS (41 TOTAL & 7 STUDENT \* & 7 POSTDOC \*\* 1<sup>ST</sup> 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 CO<sub>2</sub> 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 CO<sub>2</sub> 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 14<sup>th</sup> 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 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 CER(H)6.7ND



