

Vanessa Beth Beauchamp
Towson University
Department of Biological Sciences
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Professional Positions

Professor, Department of Biological Sciences, Towson University	2020-Present
Associate Professor, Department of Biological Sciences, Towson University	2014-2020
Assistant Professor, Department of Biological Sciences, Towson University	2008-2014
USDA NRI Postdoctoral Fellow, Department of Biology, Indiana University	2004-2007
Postdoctoral Associate. U.S. Geological Survey, Fort Collins Science Center	2004-2007

Education

Ph.D. Department of Plant Biology, Arizona State University 2004.
Dissertation title: Effects of flow regulation on a Sonoran riparian ecosystem, Verde River, Arizona.
Major advisors: Julie Stromberg and Jean Stutz

B.S. Biology, University of California, Irvine. Campuswide Honors Program. 1998.

Publications * = undergraduate co-author; ** = graduate co-author

McMahon, P.** , V.B. Beauchamp, R.E. Casey, C. J. Salice, K. Bucher, M. Marsh** and J. Moore. 2021.
Effects of stream restoration by legacy sediment removal and floodplain reconnection on water quality. *Environmental Research Letters* 16:035009

Bowen. A. M. K.** , V.B Beauchamp and M. H. Stevens. 2000. Evaluating the efficacy of removal treatments on wavyleaf basketgrass (*Oplismenus undulatifolius*). *Invasive Plant Science and Management* 13:176-188.

Kepner, C* and V.B. Beauchamp. 2020. Interspecific competitive potential of wavyleaf basketgrass (*Oplismenus undulatifolius*), a recent introduction to the mid-Atlantic United States. *Invasive Plant Science and Management* 13:23-29.

Heiselmeyer, T.** , A. Boulton, and V.B. Beauchamp. 2019. The relationship between native insects and an invasive grass (*Oplismenus undulatifolius*) in the mid-Atlantic United States. *Northeastern Naturalist* 26:183-201

Wu, C.A., A.D. Hakkenberg*, and V.B. Beauchamp. 2018. Characterization of polymorphic microsatellite loci for invasive wavyleaf basketgrass, *Oplismenus undulatifolius* (Poaceae). *Applications in Plant Sciences* 6(1),e1016.

Russell, K. N.** and V.B. Beauchamp. 2017. Plant species diversity in restored and created Delmarva Bay wetlands. *Wetlands* 37:1119-1133.

Breen, D.B.** , V.B. Beauchamp, S.M. Koontz** , and R.P. Roberts. 2015. The influence of agricultural abandonment and the abiotic environment on the vegetation communities of a suburban deciduous forest. *Castanea* 80:103-121.

- Beauchamp, V.B., C.M. Swan, K. Szlavecz and J. Hu*. 2015. Riparian community structure and soil properties of restored urban streams. *Ecohydrology* 8:880-895.
- Zaharick, J.** , H. Beck and V.B. Beauchamp. 2015. An experimental test of epi- and endozoochory of arbuscular mycorrhizal fungi spores by small mammals in a Maryland forest. *Northeastern Naturalist* 22:163-177.
- Dela Cruz, M.P.** , V.B. Beauchamp, P. B. Shafroth, C. Decker, and A. O'Neil**. 2014. Adaptive restoration of river terrace vegetation through iterative experiments. *Natural Areas Journal* 34: 475-487.
- Beauchamp, V. B., S. M. Koontz**, C. Suss*, C. Hawkins*, K. L. Kyde, and J. L. Schnase. 2013. An introduction to *Oplismenus undulatifolius* (Ard.) Roem. & Schult. (wavyleaf basketgrass), a recent invader in Mid-Atlantic forest understories. *Journal of The Torrey Botanical Society* 140: 391-413.
- Beauchamp, V.B., N. Ghuznavi*, S.M. Koontz**, and R.P. Roberts. 2013. Edges, exotics and deer: The seed bank of a suburban secondary successional temperate deciduous forest. *Applied Vegetation Science*. 16: 571–584.
- Shafroth, P.B., D.M. Merritt, M.K. Briggs, V.B. Beauchamp, K.D. Lair, M.L. Scott and A. Sher. 2013. Riparian restoration in the context of *Tamarix* control. In: A. Sher and M.F. Quigley (eds.). *Tamarix: A Case Study of Ecological Change in the American West*. Oxford University Press. Pages 404-425
- Bressette, J.** H. Beck, and V.B. Beauchamp. 2012. Beyond the browse line: complex cascade effects mediated by white-tailed deer. *Oikos* 121:1749-1760.
- Beauchamp, V.B. and P.B. Shafroth. 2011. Floristic composition, beta diversity and nestedness of reference sites for restoration of xeroriparian areas in semi-arid western USA. *Ecological Applications* 21: 465-476.
- Shafroth, P.B., T.L. Fuentes, C. Pritekel, M.M. Beirne and V.B. Beauchamp. 2011. Vegetation of the Elwha River Estuary. In: J.J. Duda, J.A. Warrick and C.S. Magirl (eds.). *Coastal habitats of the Elwha River, Washington— Biological and physical patterns and processes prior to dam removal*. Scientific Investigations Report 2011–5120. : U.S. Geological Survey. Pages 225-247.
- Shafroth, P.B., A.C. Wilcox, D.A. Lytle, J.T. Hickey, D.C. Andersen, V.B. Beauchamp, A. Hautzinger, L.E. McMullen, and A. Warner. 2010. Ecosystem effects of environmental flows: modeling and experimental floods in a dryland river. *Freshwater Biology* 55:68-85.
- Shafroth, P.B., D.M. Merritt, V.B. Beauchamp, and K. Lair. 2010. Restoration and revegetation associated with control of saltcedar and Russian olive. In: P.B. Shafroth, C.A. Brown, and D.M. Merritt (eds.). *Saltcedar and Russian olive control demonstration act science assessment*. Scientific Investigations Report 2009–5247. : U.S. Geological Survey. Pages 119-136.
- Beauchamp, V.B., C. Walz and P.B. Shafroth. 2009. Salinity tolerance and mycorrhizal responsiveness of native xeroriparian plants in semi-arid western USA. *Applied Soil Ecology* 43: 175-184.

- Stutz, J.C., V.B. Beauchamp, L. Kennedy, J. Johnson, B.S. Richter and K.M. Jacobson. 2009. Mycorrhizal Ecology in Desert Riparian Ecosystems. In J.C. Stromberg and B. Tellman (eds.) Ecology of Desert Riparian Ecosystems: The San Pedro River Example. University of Arizona Press. Pages 73-88
- Beauchamp, V.B and J.C. Stromberg. 2008. Changes to herbaceous plant communities on a regulated desert river. *River Research and Applications* 24: 754-770.
- Shafroth, P.B., V.B. Beauchamp, M.K. Briggs, K. Lair, M.L. Scott, and A.A. Sher. 2008. Planning riparian restoration in the context of *Tamarix* control in western North America. *Restoration Ecology* 16: 91-112.
- Beauchamp, V.B and J.C. Stromberg. 2007. Flow regulation of the Verde River, Arizona encourages *Tamarix* recruitment but has minimal effect on *Populus* and *Salix* stand density. *Wetlands* 27: 381-389.
- Stromberg, J.C., V.B. Beauchamp, M.D. Dixon, S.J. Lite, and C. Paradzick. 2007. Importance of low flow and high flow regimes to restoration of riparian vegetation in arid southwestern United States. *Freshwater Biology* 52: 651-679.
- Beauchamp, V.B., J.C. Stromberg and J.C. Stutz. 2007. Flow regulation has minimal influence on mycorrhizal fungi of a semi-arid floodplain ecosystem despite changes in hydrology, soils, and vegetation. *Journal of Arid Environments* 68: 188-205.
- Beauchamp, V.B., J.C. Stromberg and J.C. Stutz. 2006. Arbuscular mycorrhizal fungi associated with *Populus-Salix* stands in a semi-arid riparian ecosystem. *New Phytologist* 170: 369-380.
- Shafroth, P.B., and V.B. Beauchamp. 2006. Defining ecosystem flow requirements for the Bill Williams River, Arizona. U.S. Geological Survey Open File Report 2006-1314, 137 p.
- Beauchamp, V.B., J.C. Stromberg and J.C. Stutz. 2005. Interactions between *Tamarix ramosissima* (saltcedar), *Populus fremontii* (cottonwood), and mycorrhizal fungi: effects on seedling growth and plant species coexistence. *Plant and Soil*. 275: 219-229.
- Ortiz-Barney E**, J.C. Stromberg and V.B. Beauchamp**. 2005. The Floristic Relay: A game to teach plant community succession and disturbance dynamics. *Teaching Issues and Experiments in Ecology*. Volume 3 [online].<http://tiee.ecoed.net/vol/v3/experiments/floristic/abstract.html>
- Beauchamp, V.B.** 2002. Book Review: Ecological Assembly Rules: Perspectives, Advances and Retreats. E. Weiher and P. Keddy eds. *Restoration Ecology* 10: 428-429
- Bowler, P. A., K.B. Pierce*, V. Beauchamp* and T. Tabshouri*. 2000. Translocation and grafting of adult coastal cholla (*Opuntia prolifera*) and coastal prickly pear (*Opuntia littoralis*) as mitigation for cactus wren habitat loss in burned areas. In Keeley, J. E., M. Baer-Keeley and C.J. Fotheringham (eds.) 2nd Interface Between Ecology and Land Development in California. U.S. Geological Survey Open-File Report 00-62.
- Heyser, C.J., J.S. McDonald, V.B. Beauchamp*, G.F. Koob and L.H. Gold. 1997. The effects of cocaine on operant responding for food in several strains of mice. *Psychopharmacology* 132: 202-208.

Grants and Fellowships

- Beauchamp, V.B. and J.C. Hull. 2019. Glen Arboretum Restoration at Towson University. Chesapeake Bay Trust. January 1, 2019 – June 30, 2020. \$23,000.
- Masters, B., J. Moore, C. Salice, V. Beauchamp, and A. Williams. Developing and Implementing Environmental DNA Tools to Address Regional Issues in Environmental Conservation. Fisher College General Endowment Funds. July 1, 2018 - June 30, 2019. \$13,600.
- Beauchamp, V.B., J. Moore, R. Casey and C. Salice. Determining the effects of legacy sediment removal and floodplain reconnection on ecosystem function and nutrient export. Chesapeake Bay Trust. July 2016 – June 2019. \$199,992. No-cost extension through June 2020.
- Beauchamp, V.B. and Masters B. S. Population genetics and dispersal of wavyleaf basketgrass. Towson University Faculty Development and Research Committee. July 2016 – June 2017. \$4,900
- Beauchamp, V.B., Wu, C.A and Masters, B.M. Population genetics and dispersal of *Oplismenus undulatifolius* (wavyleaf basketgrass) in its invaded range. Washington Biologist's Field Club. June 2016 – May 2017. \$1,800
- Taylor-Mitchel, L. and V.B. Beauchamp. Wavyleaf Basketgrass Removal and Site Restoration at Cromwell Valley Park. Maryland Native Plant Society. August 2015 – July 2017. \$250
- Beauchamp, V.B. Evaluating the efficacy of herbicide and mechanical treatments on wavyleaf grass (*Oplismenus undulatifolius*). Virginia Department of Conservation and Recreation. 2014-2015. \$6,500
- Beauchamp, V.B, S. Kaza and J. Derhinger. Mapping the distribution of *Oplismenus hirtellus* subsp. *undulatifolius* (wavyleaf basketgrass) a recent invader in Maryland forests: A citizen-science initiative. Towson University School of Emerging Technology. 2013-2014. \$17,754.
- Beauchamp, V.B., H. Beck and R.P. Roberts. Development of an upper-division Ecological Techniques course to increase the availability of research opportunities to Towson University undergraduate students. Towson University Fisher College. \$25,000 in 2012; Additional funding for a second set of enclosures: \$18,500 in 2013. 2012-2014
- Moore, J., Beck, H., Roberts, R., Beauchamp, V., Kautzman, B., McGuire, M. and M. Roberge. Meteorological Data as a Pedagogical & Research Tool. Towson University, Fisher College. 2013-2014 \$27,000
- Beck, H. and V.B. Beauchamp. Are Small Mammals Critical Dispersers of Mycorrhizal Fungal Spores? TU Faculty Development and Research Committee. 2011. \$4,999.
- Beauchamp, V.B. and R. Roberts. Morphological and molecular examinations of arbuscular mycorrhizal fungi found in urban, suburban and rural forests. TU Faculty Development and Research Committee. 2008. \$4,300.

- Beauchamp, V.B. Restoration of Xeric Riparian areas in the Western United States. Cooperative agreement with the USGS Fort Collins Science Center. 2008. \$11,835.
- Beauchamp, V.B. and R. Roberts. Vegetation studies at the Middle Patuxent Environmental Area, Howard County, Maryland. Middle Patuxent Environmental Foundation. 2008-2013. \$81,173.
- Shafroth, P.B. and V.B. Beauchamp. Evaluation of revegetation methods for saltcedar-dominated xeric riparian areas along the Rio Grande, New Mexico. USFWS Science Support Partnership Program. 2007-2009. \$222,800.
- Shafroth, P.B. (Internal USGS award – only Federal Employees can be listed as PIs) Test riparian revegetation methods along the Virgin River, Zion National Park. National Park Service - Natural Resource Preservation and Protection: Disturbed Lands funding source. 2006-2008. \$157,800
- Shafroth, P.B., G.T. Auble, S. Acker and V.B. Beauchamp. Baseline analysis of floodplain soils prior to dam removal, Elwha River, Olympic National Park. USGS Park Oriented Biological Support. 2006-2007. \$60,000.
- Beauchamp, V.B. The role of arbuscular mycorrhizal fungi in the invasion success of *Tamarix ramosissima* (saltcedar). USDA NRI Competitive Grants Program, Postdoctoral Fellowship. 2004-2006. \$110,000
- Stromberg, J.C., J.C. Stutz, V.B. Beauchamp, S. Lite, and J.D. Rodriguez. Natural Recovery of native riparian tree species to exotic-dominated sites: influence of physical and biotic interactions. Southwest Center for Environmental Research and Policy. 2002-2004. \$82,109
- Stromberg, J.C., J.C. Stutz, and V.B. Beauchamp. The effect of mycorrhizae on competitive ability and drought tolerance of cottonwood (*Populus fremontii*) and saltcedar (*Tamarix ramosissima*). Water Resources Research Council. 2002-2003. \$9,017
- Beauchamp, V.B. Impacts of flow regime alteration on successional processes in cottonwood (*Populus fremontii*) and willow (*Salix gooddingii*) dominated riparian forests, Verde River, Arizona. Society for Wetland Scientists Student Research Grant. 2001-2002. \$1,250

Teaching

Towson University Classes

Biol 473 Ecological Field Methods (CURE)	2018-2020
Biol 610 Community Ecology	2012-2020
Biol 452/552 Wetland Ecology	2010-2019
Biol 205 General Botany	2009-2020
Biol 202 Introduction to Ecology and Evolution	2008-2018

Thesis Advisor: Towson University

Sara Kramer	2020 - Present
Catarina Erbe	2020 - Present
Anthony Tritz	2018 - 2021
Patrick Baltzer	2017 - 2019
David Grow	2016 - 2019
Kimberley Russell	2012 - 2014
Dan Breen	2011 - 2014
Stephanie Koontz	2008 - 2011

Master's Thesis Committee Member: Towson University

Patrick McMahon	2017 - 2021	Nicole Williamson	2019 - Present
Brian Durkin	2015 - 2019	Margaret Park	2017 - 2019
Nathan Byer	2012 - 2015	Danielle Iulucci	2011 - 2014
Brian Cooper	2011 - 2014	John Zaharick	2010 - 2013
Matthew Hansen	2010 - 2013	Patrick Bond	2010 - 2011
James Bressette	2009 - 2011	Cory Lavoie	2008 - 2010

Committee Member: Other Universities

Tamara Heiselmeyer, MS Thesis, Hood College, Maryland	2013 - 2015
Japhia Jacobo, MS Thesis, University of Alabama, Birmingham	2011 - 2014
Michelle Dela Cruz, MS Thesis, Northern Arizona University	2006 - 2008

Service – Academic

- 2019 – Present. Member of the Department of Biological Sciences Executive Committee.
- 2018 – Present. FCSM representative to UPTRM Committee.
- 2015 – Present. Ecology, Evolution and Conservation Area Coordinator.
- 2013 – Present. Member of the Board of Directors for the Towson University Glen Arboretum.
- 2009 – Present. Co-manager of the Department of Biological Sciences Greenhouse Facility.
- 2016 – 2018. Member of the Department of Biological Sciences Seminar Committee.
- 2017 – 2018. Participant – Towson University Faculty Leadership class.
- 2012 – 2018. Member of the Department of Biological Sciences Undergraduate Research Committee.
- 2015. Chair of Conservation Biologist Faculty Search Committee
- 2013. Member of the search committee for the Environmental Science and Studies Program Director.
- 2013. Vice Chair of the Fisher College of Science and Mathematics College Council.
- 2010 – 2013. Served on the Fisher College of Science and Mathematics College Council.
- 2009 – 2012. Served on the Department of Biological Sciences Graduate Committee.
- 2009. Member of the search committee for a tenure-track faculty member in plant biology.

Service – Profession

Peer Reviewer

American Journal of Plant Sciences	Castanea
Applied Soil Ecology	Ecological Research
Applied Vegetation Science	Environmental Management
Biological Invasions	Flora

Global Ecology and Biogeography
Journal of Arid Environments
Journal of the American Water Resources
Association
Journal of Hydrology
Journal of the Torrey Botanical Society
Natural Areas Journal

NSF RUI Ecosystem Studies Program
Pedosphere
Restoration Ecology
US Forest Service – General Technical Report
Review
USDA Weed Risk Assessment
Wetlands

Committees

2018 – Present. Maryland Native Plant Society Board Member.
2014 – Present. Member of the Maryland Native Plant Society Grants Committee.
2013 – 2018. Board Member – Education and Outreach Committee, Society for Wetland Scientists
2018 – 2019. Maryland Native Plant Society Conference Committee member
2013 – 2015. Board Member – Baltimore Chapter, Maryland Native Plant Society

Service – Community

2009 – Present. Instructor for the ecology or botany section for Master Naturalist Training classes
2017 – With Dr. Larry Wimmers – Conducted a botany workshop for the National Federation for the
Blind Youth Slam Event.
2009 – 2010. Assisted with the development of the Ecology Curriculum for the Maryland Master
Naturalist Program.

Invited Seminars

Why Should We Care About Invasive Species? Irvine Nature Center Native Plant Seminar and Sale.
August 24, 2019.

Interactions Between Aliens and Natives: A Holistic Approach to Managing Invasive Plant Species. Anita
Leight Speaker Series. February 9, 2020.

Invisible Connections: Introduction to Parasitic Plants. February 26, 2019. Maryland Native Plant Society
Monthly Meeting. Kensington, MD and May 11, 2019. Mountain Maryland Native Plant Festival.
New Germany State Park, Grantsville, MD.

Wavyleaf basketgrass research. December 8, 2018. Mid-Atlantic Invasive Plant Council Annual Workshop
Meeting. Towson, MD.

Why Should We Care About Invasive Species? September 15, 2018. Maryland Native Plant Society Fall
Conference, Baltimore, MD.

Considering the Conifers – Gymnosperms of Maryland. August 26, 2017. Irvine Nature Center Native
Plant Seminar and Sale, Owings Mills, MD.

Wavyleaf Basketgrass and Invasive Plant Workshop. August 19, 2017. Gunpowder Falls State Park Nature Programs & Events.

Identification and Management for Newly Emerging Plant Invaders, MAEDN Tutorial. May 10, 2017. Managing Forest Pests for Watershed Restoration - 2017 Maryland Public Agency Pesticide Recertification Meeting, Boonsboro, MD.

Riparian Buffers October 21, 2016. Manor Conservancy Annual Meeting, St. Johns School, Hydes, MD.

Deer Exclosure Science. August 18, 2016. BCPS Science Professional Study Day (with Harald Beck).

Maryland's Maples. August 27, 2016. Irvine Nature Center Native Plant Seminar and Sale, Owings Mills, MD.

Invasive Plants and their Impact on Native Ecosystems. August 9, 2016, Anne Arundel County Master Gardeners Monthly Meeting; October 13, 2016, Baltimore County Master Gardener Monthly Meeting; January 10, 2017, The Amateur Gardeners Club Meeting; March 3, 2017, Towson Garden Club; June 5, 2017, Baltimore County Master Gardener 2017 Gardening Series Talk.

Wavyleaf Basketgrass Ecology and Control. July 11, 2016. MAEDN/MAIPC Summer Workshop on Emerging Invasive Species. Patuxent Wildlife Refuge, Laurel, MD.

An update on wavyleaf basketgrass: Habitats, dispersal, competition and control. May 31, 2016. Maryland Native Plant Society, Kensington, MD.

The Ecology of Wavyleaf Basketgrass. April 22, 2016. Washington Biologist's Field Club Annual Meeting, Washington DC.

Identification and Ecology of Wavyleaf Basketgrass. February 18, 2016. Delaware Recreation and Parks Department Annual Conference, Rehoboth Beach, DE.

Research - Wavyleaf Treatment Study. February 8, 2016. Wavyleaf Basketgrass Task Force, SCBI Front Royal, VA

Invasive Species in Maryland. September 8, 2015. Guest Lecture for ENVS 419 Senior Seminar, Towson University.

All About Maryland's Oaks. August 22, 2015. Irvine Nature Center Native Plant Seminar and Sale, Owings Mills, MD

The Ecology and Control of Wavyleaf Basketgrass (*Oplismenus undulatifolius*). August 5, 2015. Mid Atlantic Invasive Species Council Annual Meeting, Huddington, PA

Impacts of Invasive Plant Species on Native Ecosystems. June 4, 2015. Maryland Master Gardener/Master Naturalist Annual Conference. College Park, MD

The Ecology of Wavyleaf Basketgrass. March 25, 2015. Northern Virginia Community College Science

Seminar Series, Annandale, VA.

The Ecology of Wavyleaf Basketgrass (*Oplismenus undulatifolius*). January 28, 2015. University of Richmond, Molecular Ecology Class – Guest Lecturer.

Exotic and Invasive Species in Maryland. September 16, 2014. Marshy Point Nature Center Seminar Series.

Exotic and invasive plant species in Maryland. August 23, 2014, Irvine Nature Center Annual Native Plant Seminar and Sale, Owings Mills, MD.

Invasive Wavyleaf Basketgrass - There's an app for that! May 13, 2014, Northeastern Maryland Technology Council Science Café.

Wavyleaf Grass: A Looming Threat to Forests in Virginia, Maryland, and Beyond. May 5, 2014, Virginia Master Naturalist Continuing Education Webinar Series.

Project Wavyleaf: A Citizen Science Initiative. April 16, 2014, 7th Annual Towson University Showcase.

(A little bit of) The Ecology of Wavyleaf Basketgrass. March 20, 2014, Hood College Environmental Biology Seminar Series.

Past, Present and Future Exotic and Invasive Species in Maryland. February 22, 2014, Anita C. Leight Speaker Series. Anita C. Leight Estuary Center, Chesapeake Bay National Estuarine Research Reserve.

Exotic and Invasive Species in Maryland. February 21, 2014, "What Matters" Seminar Series. Department of Geography and Environmental Planning, Towson University.

The Ecology of Wavyleaf Basketgrass (*Oplismenus hirtellus* spp. *undulatifolius*). Maryland Native Plant Society. March 26, 2013, State Chapter Meeting, Silver Spring MD.

The Ecology of Wavyleaf Basketgrass (*Oplismenus hirtellus* spp. *undulatifolius*). Weekly Seminar Series. March 22, 2012, Smithsonian Environmental Research Center.

The Ecology of Wavyleaf Basketgrass (*Oplismenus hirtellus* spp. *undulatifolius*). Maryland Native Plant Society. February 12, 2012, Greater Baltimore Chapter Meeting, Howard County Conservancy, Woodstock MD.

Vegetation Dynamics at the Middle Patuxent Environmental Area. Department Seminar- Department of Geography and Environmental Systems. November 16, 2011, University of Maryland, Baltimore County.

Vegetation Dynamics at the Middle Patuxent Environmental Area. Department Seminar- Department of Plant Science and Landscape Architecture. November 7, 2011, University of Maryland, College Park.

Presentations at Academic Conferences – Talks

Beauchamp, V.B., Baltzer, P.B** and J. Moore. Effect of legacy sediment removal and floodplain

reconnection on riparian plant communities. Maryland Water Monitoring Council. December 2020.

Beauchamp, V.B., Baltzer, P.B**. and J. Moore. Effect of legacy sediment removal and floodplain reconnection on riparian plant communities. Maryland Stream Restoration Association. January 2021.

Beauchamp, V.B., Baltzer, P.B**. and J. Moore. Effect of legacy sediment removal and floodplain reconnection on riparian plant communities. Maryland Water Monitoring Council. December 2019.

Beauchamp, V.B. and P. B. Baltzer**. Effect of legacy sediment removal and floodplain reconnection on riparian plant communities. Natural Areas Conference, October 2019. Presentation.

Kepner, C*. and V.B. Beauchamp. 2014. Competitive ability and potential invasion mechanisms of *Oplismenus undulatifolius* (Ard.) Roem. & Schult. (wavyleaf basketgrass). Ecological Society of America, Sacramento, CA.

Beauchamp, V.B., Swan, C. and K. Szlavecz. October 2013. Woody species composition of restored and unrestored urban streams segments in the Baltimore area. Society for Ecological Restoration, Annual Meeting, Madison WI. Invited as part of an organized oral session.

Beauchamp, V.B. 2012. Niche requirements and competitive effects of a new forest invader, *Oplismenus hirtellus* spp. *undulatifolius* (wavyleaf basketgrass). Natural Areas Association Conference, Norfolk, VA. (Invited).

Beauchamp, V.B. 2012. Niche requirements and competitive effects of a new forest invader, *Oplismenus hirtellus* spp. *undulatifolius* (wavyleaf basket grass). Ecological Society of America, Portland, OR.

Beauchamp, V.B. 2012. Vegetation Dynamics at the Middle Patuxent Environmental Area. Duke Farms Symposium: Emerging Issues in Land Stewardship. Hillsborough NJ. (Invited).

Shafroth, P.B., V.B. Beauchamp, S.M. Ostoja, M.L. Brooks and J. Bellknap. 2010. Site factors and natural processes influencing vegetation recovery following biological control of *Tamarix*: Implications for restoration. Tamarisk Symposium, Grand Junction CO.

Koontz, S.M.** and V.B. Beauchamp. 2010. Investigating local and regional-scale environmental variables contributing to invasion success of a recently introduced non-native species. Ecological Society of America, Pittsburgh, PA.

Dela Cruz, M.P.** , V.B. Beauchamp, P.B. Shafroth, A. O'Neil**, and D. Shorrocks**. 2010. Ecosystem restoration and planning through iterative experiments at Zion National Park, UT. Ecological Society of America, Pittsburgh, PA.

Beauchamp, V.B. and P.B. Shafroth. 2009. Floristic composition, beta diversity and nestedness of reference sites for restoration of xeroriparian areas in semi-arid western USA. Ecological Society of America, Albuquerque, NM. Organized Oral Session.

Beauchamp, V.B. 2007. Restoration of *Tamarix*-dominated xeric riparian areas. Ecological Society of America, San Jose, CA.

Briggs, M.K., P.B. Shafroth, V.B. Beauchamp, K. Lair, M.L. Scott and A.A. Sher. 2007. Planning riparian restoration in the context of *Tamarix* control in western North America. Ecological Society of America, San Jose, CA.

Beauchamp, V.B. and P.B. Shafroth. 2006. Salinity tolerance and mycorrhizal responsiveness of candidate species for use in restoration of *Tamarix*-dominated xeric riparian areas. Presented at the Tamarisk Research Conference, Fort Collins, CO.

Beauchamp, V.B., J.C. Stromberg, and C. Sommers. August 2005. Scale-dependent response of riparian vegetation to flow regulation on the Verde River, Arizona. Presented at Ecological Society of America, Montreal, Canada.

Beauchamp, V.B. 2005. Effects of flow regulation on a Sonoran riparian ecosystem, Verde River, Arizona. Presented at the Colorado Riparian Association Symposium, Durango, CO.

Beauchamp, V.B. and J.C. Stromberg. 2004. Cottonwood-willow stand structure on unregulated and regulated reaches of the Verde River, Arizona. Presented at the Arizona Riparian Council Symposium, Phoenix, AZ.

Beauchamp, V.B. and P.B. Shafroth. 2004. Tamarisk control in the West: overview of central issues and monitoring needs. Presented at Monitoring Science and Technology Symposium, Denver, CO.

Stromberg, J.C., J.C. Stutz, V.B. Beauchamp**, G. Katz, and S. Lite**. 2004. Recovery of native riparian tree species to exotic-dominated sites: influence of physical processes and biotic interactions. Presented at Southwest Center for Environmental Research and Policy Symposium, Laredo, TX.

Beauchamp, V.B.** and J.C. Stromberg. 2003. Cottonwood-willow stand structure on regulated and unregulated reaches of the Verde River, Arizona. Presented at Ecological Society of America, Savannah, GA.

Stromberg, J.C., S. Lite**, and V.B. Beauchamp**. 2003. Managing stream flow regimes for riparian ecosystem restoration. Presented at the Tamarisk Coalition, Tamarisk Symposium, Grand Junction, CO.

Posters

McMahon, P.**, Moore, J., Beauchamp, V., Casey, R. and C. Salice. 2019. Export of Nitrogen and Sediments Following Legacy Sediment Removal and Floodplain Reconnection Restoration Projects. American Geophysical Union Annual Conference.

Beauchamp, V.B., Baltzer, P.B**, and J. Moore. 2019. Riparian Vegetation Community Composition After Legacy Sediment Removal and Floodplain Reconnection Projects. American Geophysical Union Annual Conference.

McMahon, P.**, Moore, J., Beauchamp, V., Casey, R. and C. Salice. 2019. Export of Nitrogen and Sediments Following Legacy Sediment Removal and Floodplain Reconnection Restoration Projects. Maryland Water Monitoring Council.

Beauchamp, V.B., S. Kaza and J. Dehlinger. August 14, 2015. Project Wavyleaf: A Towson University citizen science initiative. Ecological Society of America Annual Meeting, Baltimore MD.

Koontz, S.M.,** and V.B. Beauchamp. 2011. Plant communities and successional processes in a second-growth eastern deciduous forest. Presented at the International Association for Vegetation Science Annual Meeting, Lyon France.

Fuentes T.L., P.B. Shafroth, C. Pritekel, V.B. Beauchamp, and M. Beirne. 2009. Vegetation of the Elwha River estuary. Puget Sound and Georgia Basin Ecosystem Conference, Seattle, WA.

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