

**Vanessa Beth Beauchamp**  
Towson University  
Department of Biological Sciences  
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### Professional Positions

Associate Professor, Department of Biological Sciences, Towson University	2014-Present
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

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 B. Masters. Population genetics and dispersal of wavyleaf basketgrass. Towson University Faculty Development and Research Committee. July 2016 – June 2017. \$4,900
- Beauchamp, V.B., C.A. Wu, and B. Masters. 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 exclosures: \$18,500 in 2013. 2012-2014
- Moore, J., H. Beck, R. Roberts, V. Beauchamp, B. Kautzman, M. McGuire 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 4xx Ecological Field Methods (CURE)	2018
Biol 610 Community Ecology	2012-2018
Biol 452/552 Wetland Ecology	2010-2017
Biol 205 General Botany	2009-2019
Biol 202 Introduction to Ecology and Evolution	2008-2018

### Thesis Advisor: Towson University

Anthony Tritz	2018 - Present
Patrick Baltzer	2017 - Present
David Grow	2016 - 2019
Kimberley Russell	2012 - 2014
Dan Breen	2011 - 2014
Stephanie Koontz	2008 - 2011

### Master's Thesis Committee Member: Towson University

Brian Durkin	2015 - Present		
Patrick McMahon	2017 - Present	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. Organismal Biology and Ecology 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. Responsible for managing student workers and maintenance and upkeep of the collection and 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	Journal of Hydrology
Applied Soil Ecology	Journal of the Torrey Botanical Society
Applied Vegetation Science	Natural Areas Journal
Biological Invasions	NSF RUI Ecosystem Studies Program
Castanea	Pedosphere
Ecological Research	Restoration Ecology
Environmental Management	US Forest Service – General Technical Report Review
Global Ecology and Biogeography	USDA Weed Risk Assessment
Journal of Arid Environments	Wetlands
Journal of the American Water Resources Association	

## 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 twelve 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**

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 Gardner 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, 7<sup>th</sup> 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**

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

Baltzer, P.\*, and V. Beauchamp. 2019. Floodplain reconnection and legacy sediment removal's effect on plant community dynamics in recently restored piedmont streams. Wolman Club Annual Meeting, Lancaster PA.

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.

Hautzinger, A.B., J.B. Evelyn, J.T. Hickey, P.B. Shafroth, V.B. Beauchamp, and A. Warner. 2007. Ecosystem flow requirements for the Bill Williams River, Arizona, USA: a sustainable rivers project. Presented at the 10th Annual River Symposium and Environmental Flows Conference, Brisbane, Queensland, Australia.

Beauchamp, V.B., J.C. Stromberg, and J.C. Stutz. 2006. Patterns in activity, richness, and community composition of arbuscular mycorrhizal fungi in a Sonoran Desert riparian area, Verde River, Arizona. Presented at 5<sup>th</sup> International Conference on Mycorrhizae, Granada, Spain.

Beauchamp, V.B., J.C. Stromberg, and J.C. Stutz. 2006. Patterns in activity, richness, and community composition of arbuscular mycorrhizal fungi in a Sonoran Desert riparian area, Verde River, Arizona. Presented at Ecological Society of America, Memphis, TN.

Beauchamp, V.B., J.C. Stromberg, and J.C. Stutz. 2004. Interactions between saltcedar (*Tamarix ramosissima*), cottonwood (*Populus fremontii*), and arbuscular mycorrhizal fungi. Presented at Ecological Society of America, Portland, OR.

Beauchamp, V.B.\*\* and J.C. Stutz. 2003. Arbuscular mycorrhizal fungal interactions with saltcedar (*Tamarix ramosissima*). Presented at the 4<sup>th</sup> International Conference on Mycorrhizae, Montreal, Canada.