SHARON JAE HALL
President's Professor, Arizona State University
Tempe, Arizona

EDUCATION

Ph.D. **University of California, Berkeley,** Environmental Science, Policy & Management
Ed.M. **Harvard University,** Secondary Science Education
B.S. **Stanford University,** Biological Sciences

PROFESSIONAL EMPLOYMENT

- 2022-present President's Professor, School of Life Sciences, Arizona State University, Video.
- 2022-2025 Associate Dean, College of Global Futures, ASU
- 2020-2022 Founding Special Advisor for Charter Initiatives, School of Life Sciences, ASU
- 2018-2022 Professor, School of Life Sciences, ASU
- 2016-2022 Faculty Lead, Conservation Biology & Ecology B.S. program, ASU
- 2013-2019 Director, Environmental Life Sciences Ph.D. program, ASU
- 2011-2018 Associate Professor, School of Life Sciences, ASU
- 2005-2011 Assistant Professor, School of Life Sciences, ASU
- 2003-2005 John D. and Catherine T. MacArthur Assistant Professor, Colorado College
- 2001-2003 Assistant Professor, Colorado College
- 1999-2001 Post-doctoral Fellow, Department of Geology, University of Colorado
- 1998-1999 Gresham Riley Post-doctoral Fellow, Colorado College

HONORS & AWARDS

- 2021 Zebulon Pearce Distinguished Teaching Award, College of Liberal Arts & Sciences, ASU
- 2020 Dean's Fellow for Institutional Transformation, College of Liberal Arts & Sciences, ASU
- 2017 Founder's Day Faculty Teaching Achievement Award, ASU Alumni Association. Video.
- 2003 John D. and Catherine T. MacArthur Professorship, Colorado College
- 1993 NASA Earth Systems Science Doctoral Fellowship, UC Berkeley
- 1993 National Science Foundation Graduate Research Fellowship, UC Berkeley
- 1992 Doctoral Fellowship, Department of Soil Science, UC Berkeley

RESEARCH INTERESTS

Interdisciplinary environmental research and conservation science in the Anthropocene; Social-ecological systems; People–nature interactions in natural, urban, and managed ecosystems; and Ecosystem responses to environmental change.

UNIVERSITY LEADERSHIP, ADMINISTRATIVE EXPERIENCE, and INSTITUTIONAL TRANSFORMATION

Associate Dean, College of Global Futures, Arizona State University, 2022-2025. The College of Global Futures was founded in 2000, established strategically within the Global Futures Laboratory, a discovery and solutions hub dedicated to improving Earth's habitability and well-being for nature and people. CGF includes ~100 faculty members in five transdisciplinary schools and four campus locations

(Tempe, Bermuda, Hawai'i, Washington D.C.) that are linked to a common mission of system transformation and impact for the common good, including the Schools of Sustainability, Innovation, Complex Adaptive Systems, Ocean Futures, and Conservation Futures. As Associate Dean, I worked with university leaders, donors, faculty, staff, learners, and community partners to build solutions-oriented academic and non-degree professional programs, increase educational access, and facilitate research collaborations to empower the next generation of thinkers, do-ers, and professionals to build a just and thriving future. I also served on the College of Global Futures Personnel Committee for faculty promotion and tenure, the Faculty Advisory Committee; and the Inclusive Excellence Committee; and I led the Curriculum and Academic Standards Committees for the college.

Institutional Transformation and Faculty Advancement. 2020-2024. As Co-PI of ASU ADVANCE and co-lead of the Provost Task Force on Faculty Advancement, I worked with university and school leaders across ASU to transform promotion and tenure policies and practices to incentivize community-engaged research, impactful outcomes, and inclusive practices in support of the ASU Charter. As the Founding Special Advisor of the School of Life Sciences Charter Initiative, I worked with 130 faculty members and graduate student leaders to develop and revise policies, practices, and culture related to research, faculty hiring and evaluation, promotion and tenure, graduate student mentoring, and inclusive course design.

Faculty Director, Environmental Life Sciences (ELS) Ph.D. program and Conservation Biology & Ecology B.S. degree program, 2013-2022. As Director of the interdisciplinary ELS Ph.D. program, I worked with school leaders, faculty, academic staff, and students to grow and strengthen the program across natural and social science dimensions, and develop the introductory graduate curriculum. As Faculty Director for the Conservation Biology & Ecology B.S. degree, I worked with faculty and school leaders to develop the first combined in-person and fully online, transdisciplinary conservation science program in the world, growing the number of undergraduate majors from ~250 in 2016 to ~1200 in 2026. During this time, I also worked with student leaders to develop Nature at ASU, a student-run professional development organization to build, connect, and launch students into careers to protect nature and Earth's community of life. Video.

LEADERSHIP DEVELOPMENT

- HERS Next Steps, Next Stages Executive Leadership workshop, 2025
- Advanced Leadership Institute, University Design Institute, ASU, 2024
- Leadership Academy, University Design Institute, ASU, 2017

OTHER UNIVERSITY SERVICE

- Faculty Advisor, Central Arizona Chapter of the Society for Conservation Biology.
- Faculty Advisor, Barrett Honors College, Conservation Biology & Ecology B.S. program
- External program reviewer for interdisciplinary environmental and biology programs at Chapman University, Pomona College, Middlebury College, and Colby College.

SCIENCE ADVISORY, GOVERNING, EXECUTIVE, AND EDITORIAL BOARDS

- Executive Boards: Central Arizona–Phoenix Long-term Ecological Research Program (CAP LTER) 2016-2020; and ASU Global Drylands Center, 2017-2019.
- Governing Board, Ecological Society of America, elected Member-At-Large, 2016-18.
- Science Advisory Board: McDowell Sonoran Conservancy Field Institute, 2016-2019.
- Science Advisory Board: ASU Center for Biodiversity Outcomes**,** 2016-2017.
- Advisory Board, ASU Life Science Ethics Program, 2017-2019.
- Science Lead, CAP LTER Residential Landscapes and Biogeochemical Fluxes, 2016-2020.
- Journal Editorial Boards: Landscape and Urban Planning (Elsevier) 2015-2019.

MEMBERSHIP in SCIENTIFIC SOCIETIES

Ecological Society of America; Society for Conservation Biology; The Wildlife Society; National Sustainability Society

EXTERNAL FUNDING

Current

NSF – IUSE (Improving Undergraduate STEM Education). Co-Principal Investigator: *Expanding access to high impact practices at HSIs: Using The Virtual Field to teach foundational STEM skills* ($729,036). #2421374. 9/24-8/28.

Completed

NASA – Ecological Forecasting. Co-Investigator/Institutional PI: *Biodiversity, connectivity, and ecological forecasting: Applying NASA earth observation data to conservation management in the Greater Kruger National Park region, South Africa* ($19,257 to ASU; $749,723 total). #20-ECOF20-0014. 5/21-4/25.

NSF – ADVANCE. Co-Principal Investigator: *ASU ADVANCE–Institutional Transformation* ($2,999,743). #1824260. 8/18-7/24.

NSF – Macrosystems Biology. Principal Investigator. Collaborative Research: *Alternative Futures for the American Residential Macrosystem.* ($549,185 to ASU; $3,571,724 total). #1638725. 2017-23; 2020 Graduate supplement ($91,854); 2019 Graduate INTERN supplement ($27,332); 2018 REU supplement ($17,223).

NSF – Division of Environmental Biology. Co-Principal Investigator. *LTER CAP IV: "Design with nature" infrastructure in Phoenix: A research framework for exploring urban ecology and sustainability* ($6.8M). 12/16-11/22.

NSF – Dynamics of Coupled Natural and Human Systems. #DEB-1026865. Co-Principal Investigator. *Feedbacks between human community dynamics and socio-ecological vulnerability in a biodiversity hotspot.* ($1.45M). #1211498, 9/12-9/18.

Central Arizona Conservation Alliance (CAZCA). Principal Investigator. *The Community Wildflower Survey.* ($5,400). 2/15-6/15.

NSF – Macrosystems Biology. Principal Investigator. Collaborative Research: *Ecological homogenization of urban America.* ($1,204,712 total, $299,880 to ASU). #1065740, 7/11-7/15. REU Suppl. ($8,000) 2012-13.

NSF– Division of Environmental Biology. Co-Principal Investigator. *LTER Renewal - CAP3: Urban Sustainability in the Dynamic Environment of Central Arizona, USA*. ($940,000). 12/11-12/16.

Andrew W. Mellon Foundation. Principal Investigator. *Ecosystem science close to home: Impacts of the urban environment on nutrient cycling in fynbos shrublands of the Cape Town metropolitan*

area. ($299,000). 4/09-4/15.

NSF – DEB Ecosystem Science. Principal Investigator. *Legacies on the Landscape: Prehistoric human land use and long-term ecological change.* ($465,000). #0614349, 6/06-6/12. 2007 REU Supplement ($6,000); 2008 Minority Graduate Student Supplement ($42,814); 2009 REU Supplement ($7,000).

NSF –BCS Long-term Ecological Research. Co-Principal Investigator. *ULTRA-EX: Land and water use decision-making and ecosystem services along a southwestern socio-ecological gradient.* #0948749 ($59,143). 10/10-10/12.

NSF –Social, Behavioral, and Economic Sciences. Co-Principal Investigator. LTER Social Science Supplement: *Untangling the variability in urban ecological processes: Socio-ecological drivers of residential landscape management and ecosystem responses.* ($19,956). 2007-10.

NSF – DEB Ecosystem Science. Co-Principal Investigator. RAPID: *Responses of herbaceous annual plants to material deposition from the urban atmosphere under contrasting conditions of antecedent drought and winter rainfall*. #0937397 ($29,904). 2009-10.

NSF – DEB Ecosystem Science. Co-Principal Investigator. Ecosystem response to organic C and N deposition from the urban atmosphere. ($634,565). #0514382, 2005-08; 2006 REU Supplement ($12,000); 2007 REU Supplement ($12,000).

Andrew W. Mellon Foundation. Principal Investigator. Scaling Biogenic Trace Gases from Plots to Regions: Remote Sensing of Invasive N-Fixing Species ($165,000). 2002-06.

US Bureau of Land Management. Co-Principal Investigator. *Agricultural Production on Perry Mesa, Agua Fria National Monument.* Co-PIs: Kate Spielmann and David Abbott. ($72,423). 2009-11.

PUBLICATIONS AND BOOK CHAPTERS

1. AM Hoffman and others (**S.J. Hall** 7th author). 2026. Genetic Diversity and Population Structure in Cities Is Not Consistent Among Cosmopolitan Plant Species. Molecular Ecology 35 (3), e70261.
2. J.D. Haight, **S.J. Hall,** and J.S. Lewis. 2025. Landscape modification and species traits shape seasonal wildlife community dynamics within an arid metropolitan region. Landscape and Urban Planning 259, 105346.
3. M.C. Parmentier and **S.J. Hall.** 2025. Educating for Peace: Empowering the Next Generation to Uphold Antarctica's Legacy. Pages *In:* Antarctica as a Model for Global Peace. Eds. Agenda Antarctica, Konrad Adenauer Stiftung, and Journal of Antarctic Affairs.
4. A. Cocroft, J. Lewis, J. Clark, J. Haight, S. Lerman, Z. Snyder, **S.J. Hall.** 2024. Neighborhood ethnicity is related to mammal occupancy and activity across metropolitan Phoenix, Arizona. *Ecosphere,* https://doi.org/10.1002/ecs2.4902.
5. G.A. Mejía, Groffman, P.M., Avolio, M.L., A.R. Bratt, J. Cavender-Bares, N.H. Grijseels, **S.J. Hall,** J. Heffernan, S.E. Hobbie, S.B. Lerman, J.L. Morse, D.L. Narango, C. Neill, J. Padullés-Cubino, and T.L.E. Trammel. 2024. Woody Plant–Soil Relationships in Interstitial Spaces Have Implications for Future Forests Within and Beyond Urban Areas. *Ecosystems* **27**, 185–206. https://doi.org/10.1007/s10021-023-00881-x.
6. G.A. Mejía, P.M. Groffman, M.L. Avolio, A.R. Bratt, J. Cavender-Bares, N. Grijseels, **S.J. Hall,** J. Heffernan, S.E. Hobbie, S.B. Lerman, J.L. Morse, D.L. Narango, C. Neill, J. Padullés Cubino, T.L.E. Trammell. 2024. How do urban trees vary across the USA? It depends on where and how you look. *Frontiers in Ecology and the Environment*, https://doi.org/10.1002/fee.2777.
7. J.D. Haight, K.L. Larson, J. A.G. Clark, J.S. Lewis, **S.J. Hall.** 2023. Social-ecological drivers of metropolitan residents' comfort living with wildlife. *Frontiers in Conservation Science*, 4. https://doi.org/10.3389/fcosc.2023.1248238.

8. J.D. Haight, **S.J. Hall,** M. Fidino et al. 2023. Urbanization, climate, and species traits shape mammal communities from local to continental scales. *Nature Ecology and Evolution*, **7**: 1654–1666. https://doi.org/10.1038/s41559-023-02166-x.
9. N.H. Grijseels, E. Litvak, M.L. Avolio, A.R. Bratt, J. Cavender-Bares, P.M. Groffman, **S.J. Hall**, S.E. Hobbie, S.B. Lerman, J.L. Morse, D.L. Narango, C.Neill, J. O'Neil-Dunne, J.Padullés Cubino, T.L.E. Trammell, D.E. Pataki. 2023. Evapotranspiration of residential lawns across the United States. *Water Resources Research*, https://doi.org/10.1029/2022WR032893.
10. J.A. Shaw, S.L. Collins, T.J. Ohlert, H. Heavenrich, E. Cook, M.M. Wheeler, N.B. Grimm, and **S.J. Hall**. 2023. Seasonal rainfall, shrub cover and soil properties drive production of winter annuals in the northern Sonoran Desert. *Ecosystems*, https://doi.org/10.1007/s10021-023-00850-4.
11. K. Ragan, J. Schipper, H.L. Bateman, and **S.J. Hall.** 2023. Mammal Use of Riparian Corridors in Semi-Arid Sonora, Mexico. *Journal of Wildlife Management and Wildlife Monographs*, e22322, https://doi.org/10.1002/jwmg.22322.
12. M. Wheeler, K.L. Larson, E.M. Cook, and **S.J. Hall**. 2022. Residents manage dynamic plant communities: Change over time in urban vegetation. *Frontiers in Ecology and Evolution,* https://doi.org/10.3389/fevo.2022.944803.
13. S. Buessecker, A.F. Sarno, M. C. Reynolds, R. Chavan, J. Park, M. Fontánez Ortiz, A.G. Pérez-Castillo, G. Panduro Pisco, J. David Urquiza-Munoz, L.P. Reis, J. Ferreira-Ferreira, J.M. Furtunato Maia, K.E. Holbert, C.R. Penton, **S.J. Hall,** H. Gandhi, I.G. Boëchat, B. Gücker, N.E. Ostrom, H. Cadillo-Quiroz. 2022. Coupled abiotic-biotic cycling of nitrous oxide in tropical peatlands. *Nature Ecology and Evolution*, 6 (12), 1881-1890. https://doi.org/10.1038/s41559-022-01892-y
14. C.D. Ryan, P.M. Groffman, J.Cavender-Bares, J.M. Grove, **S.J. Hall,** J.B. Heffernan, S.E. Hobbie, K.L. Larson, D.H. Locke, J.L. Morse, C. Neill, K. Nelson, J.O'Neil-Dunne, L. Ogden, D.E. Pataki, C. Polsky, R.R. Chowdhury, M.K. Steele and T.L.E. Trammell. 2022. Ecological homogenization of soil properties in the American Residential Macrosystem. *Ecosphere*, doi: 10.1002/ecs2.4208
15. S. Yabiku, A. Sullivan, A. York, Q. Zhao, J. Glick, **S.J. Hall,** D. Ghimire, L. An. 2022. Drivers of prohibited natural resource collection in a protected area. *Env. Conservation*, 49(2):114-121.
16. K.L. Larson, S.B. Lerman, K. Nelson, D.L. Narango, M.M. Wheeler, P.M. Groffman, **S.J. Hall,** M. Grove. 2022. Examining the potential to expand wildlife-supporting residential yards and gardens. *Landscape and Urban Planning*, 222:104396.
17. M.M. Wheeler, Larson K.L., Bergman, D., and **S.J. Hall.** 2022. Environmental attitudes predict native plant abundance in residential yards. *Landscape and Urban Planning,* 222:104443.
18. J.A. Brown, K.L. Larson, S.B. Lerman, A. Cocroft, and **S.J. Hall.** 2021. Resident perceptions of mosquito problems are more influenced by landscape factors than mosquito abundance. *Sustainability*, 13(20): 11533. https://doi.org/10.3390/su132011533.
19. S.B. Lerman, D.L. Narango, M.L. Avolio, A.R. Bratt, J.M. Engebretson, P.M. Groffman, **S.J. Hall,** J.B. Heffernan, S.E. Hobbie, K.L. Larson, D.H. Locke, C. Neill, K. C. Nelson, J. Padullés Cubino, and Tara L. E. Trammell. 2021. Residential yard management and landscape cover affect urban bird community diversity across the continental US. *Ecological Applications,* e02455, https://doi.org/10.1002/eap.2455.
20. **S.J Hall,** K.A. Lohse, and P.A. Matson. 2021. Nitrogen deposition and ecosystem response: A twenty-year perspective. 50th Anniversary Special Issue. *Ambio*, 50(4) 750-752. 10.1007/s13280-020-01465-y.
21. M.M. Wheeler, S.L. Collins, N.B. Grimm, E.M. Cook, C. Clark, R.A. Sponseller, and **S.J. Hall**. 2021. Water and nitrogen shape winter annual plant diversity and community composition in near-urban Sonoran Desert preserves. *Ecological Monographs,* 91(3): doi.org/10.1002/ecm.1450.

22. K.L. Larson, M. Fleeger, S.B. Lerman, M.M. Wheeler, R. Andrade, J.A. Brown, **S.J. Hall**, and D.L. Narango. 2021. Who is abuzz about bees? Explaining residents' attitudes in Phoenix, Arizona. *Urban Ecosystems,* doi 10.1007/s11252-020-01013-2.
23. J.A. Brown, Larson K.L., Lerman S.B., Childers D.L., Andrade R., Bateman H.L., **Hall S.J.**, Warren P.S. and York A.M. 2020. Influences of Environmental and Social Factors on Perceived Bio-Cultural Services and Disservices. *Frontiers in Ecology and Evolution*, 8:569730. doi: 10.3389/fevo.2020.569730
24. K.L. Larson, R. Andrade, K.C. Nelson, M.M. Wheeler, J.M. Engebretson, **S.J. Hall,** M.L. Avolio, P.M. Groffman, M. Grove, J.B. Heffernan, S.E. Hobbie, S.B. Lerman, D.H. Locke, C. Neill, R. Roy Chowdhury, T.L.E. Trammell. 2020. Municipal Regulation of Residential Landscapes across US Cities: Patterns and Implications for Landscape Sustainability. *Journal of Environmental Management*, 275:111132.
25. K.L. Larson, R. Andrade, K.C. Nelson, M.M. Wheeler, J.M. Engebreston, **S.J. Hall,** M.L. Avolio, P.M. Groffman, M. Grove, J.B. Heffernan, S.E. Hobbie, S.B. Lerman, D.H. Locke, C. Neill, R. Roy Chowdhury, T.L.E. Trammell. 2020. Code definitions for the stated goals guiding residential landscaping regulations. Journal of Environmental Management. 10.1016/j.jenvman.2020.111132
26. J. Dai, D.A Roberts, D.A Stow, L. An, **S.J. Hall,** S.T. Yabiku, and P.C. Kyriakidis. 2020. Mapping understory invasive plant species with field and remotely sensed data in Chitwan, Nepal. *Remote Sensing of Environment,* 250(1): 112037.
27. J. Padullés Cubino, J. Cavender-Bares, P.M. Groffman, M.L. Avolio, A.R. Bratt, **S.J. Hall,** K.L. Larson, S.B. Lerman, D.L. Narango, C. Neill, T.L.E. Trammell, M.M. Wheeler, S.E. Hobbie. 2020. Taxonomic, phylogenetic, and functional composition and homogenization of residential yard vegetation with contrasting management, *Landscape and Urban Planning,* 202, 103877, https://doi.org/10.1016/j.landurbplan.2020.103877.
28. J.M. Engebretson, K.C. Nelson, L.A. Ogden, K.L. Larson, J.M. Grove, **S.J. Hall**, D.H. Locke, D.E. Pataki, R. Roy Chowdhury, T.L.E. Trammell, P.M. Groffman. 2020. How the nonhuman world influences homeowner yard management in the American residential macrosystem. Human Ecology, 48 (347–356).
29. T.L.E. Trammell, D.E. Pataki, J. Cavender-Bares, P. Groffman, **S.J. Hall**, J.B. Heffernan, S.E. Hobbie, J.L. Morse, C. Neill, K.C. Nelson. 2020. Urban soil carbon and nitrogen converge at a continental scale. *Ecological Monographs,* 90(2):e01401.
30. J. Padullés Cubino, C. Neill, D.E. Pataki, J.M. Grove, J. Cavender-Bares, K.L. Larson, K. Nelson, M. Wheeler, M.L. Avolio, P.M. Groffman, S. E. Hobbie, **S.J. Hall**, T.L.E. Trammell. 2020. Linking yard plant diversity to homeowners' landscaping priorities across the U.S. *Landscape and Urban Planning,* 196(103730).
31. K.L. Larson, E. Corley, R. Andrade, **S.J. Hall**, A. York, , D. Childers, P. Coseo, D. Hondula, and S. Meerow. 2019. Subjective evaluations of ecosystem services and disservices: an approach to creating and analyzing robust survey scales. *Ecology and Society,* 24(2):7.
32. T.L.E. Trammell, D.E. Pataki, C. J. Still, J.R. Ehleringer, M.L. Avolio, N. Bettez, J. Cavender-Bares, P.M. Groffman, J.M. Grove, **S.J. Hall**, J. Heffernan, S.E. Hobbie, K. L. Larson, J.L. Morse, C. Neill, K. C. Nelson, J. O'Neil-Dunne, W.D. Pearse, R. Roy Chowdhury, M. Steele, M.M. Wheeler. 2019. Climate and lawn management interact to control C_4 plant distribution in residential lawns across seven U.S. cities. *Ecological Applications,* 29(4): e01884.
33. J. Padullés Cubino, Cavender-Bares, S. E. Hobbie, D.E. Pataki, M.L. Avolio, L.E. Darling, K.L. Larson, **S.J. Hall**, P.M. Groffman, T.L.E. Trammell, M.K. Steele, J.M. Grove & C. Neill. 2019. Contribution of non-native plants to the phylogenetic homogenization of US yard floras. *Ecosphere* 10(3): e02638. https://doi.org/10.1002/ecs2.2638.

34. M.L. Word, **S.J. Hall,** B. Robinson, B. Manneh, A. Beye, and A.J. Cease. Soil-targeted interventions could alleviate locust and grasshopper pressure in West Africa. 2019. *Science of the Total Environment*, 663: 632-643. https://doi.org/10.1016/j.scitotenv.2019.01.313.
35. J. Padullés Cubino, Cavender-Bares, S. E. Hobbie, D.E. Pataki, M.L. Avolio, L.E. Darling, K.L. Larson, **S.J. Hall**, P.M. Groffman, T.L.E. Trammell, M.K. Steele, J.M. Grove & C. Neill. Drivers of plant richness and phylogenetic composition in urban yards at the continental scale. 2019. *Landscape Ecology,* https://doi.org/10.1007/s10980-018-0744-7.
36. D.H. Locke, C. Polsky, J.M. Grove, P.M. Groffman, K.C. Nelson, K.L. Larson, J. Cavender-Bares, J.B. Heffernan, R.R. Chowdhury, S.E. Hobbie, N.D. Bettez, **S.J. Hall,** C. Neill, L. Ogden, J. O'Neil-Dunne. 2019. Residential household yard care practices along urban-exurban gradients in six climatically diverse U.S. metropolitan areas, PLoS One, 14(11): https://doi.org/10.1371/journal.pone.0222630
37. B.A. Ball, M.P. Christman, and **S.J. Hall**. 2018. Nutrient dynamics during photodegradation of plant litter in the Sonoran Desert. Journal of Arid Environments, https://doi.org/10.1016/j.jaridenv.2018.09.004
38. **S.J. Hall**, D.P. Huber, R. Flint Hughes. Invasion of Hawaiian rainforests by an introduced amphibian predator and N_2-fixing tree increases soil N_2O emissions. 2018. *Ecosphere*, 9(9).
39. D. Locke, C. Polsky, M. Avolio, T. Trammell, R.R. Chowdhury, J. M. Grove, J. Rogan, D.E. Martin, N.D. Bettez, J. Cavender-Bares, P. Groffman, **S.J. Hall**, J.B. Heffernan, S.E. Hobbie, K.L. Larson, J. Morse, C. Neill, L Ogden, J. O'Neill-Dunne, D. Pataki, W. Pearse, C. Polsky, M.M. Wheeler. 2018. A Multi-City Comparison of Front and Backyard Differences in Plant Species Diversity and Nitrogen Cycling in Residential Landscapes. *Landscape and Urban Planning,* 178:102-11.
40. J.R. Blaszczak, M.K. Steele, B.D. Badgley, J.B. Heffernan, S.E. Hobbie, J.L. Morse, E.N. Rivers, **S.J. Hall**, C. Neill, D. Pataki, P.M. Groffman, and E.S. Bernhardt. 2018. Sediment Chemistry of Urban Stormwater Ponds and Controls on Denitrification. *Ecosphere* 9(6): e02318. doi.org/10.1002/ecs2.2318.
41. E.M Cook, R.A. Sponseller, N.B. Grimm, and **S.J. Hall**. 2018. Mixed method approach to assess atmospheric nitrogen deposition in arid and semi-arid ecosystems. *Environmental Pollution,* 239: 617-630.
42. W.D. Pearse, J. Cavender-Bares, S.E. Hobbie, M.L. Avolio, N. Bettez, R. Roy Chowdhury, L.E. Darling, P.M. Groffman, M. Grove, **S.J. Hall,** J.B. Heffernan, J. Learned, C. Neill, K.C. Nelson, D.E. Pataki, B.L. Ruddell, M.K. Steele, and T. Trammell. 2018. Homogenization of plant diversity, composition and structure in North American urban yards. *Ecosphere,*9(2).
43. P.M. Groffman, M. Avolio, J. Cavender-Bares, N.D. Bettez, J.M. Grove, **S.J. Hall**, S.E. Hobbie, K.L. Larson, S.B. Lerman, D. Locke, J. Heffernan, J.L. Morse, C. Neill, K. Nelson, J. O'Neil-Dunne, D. Pataki, C. Polsky, R.V. Pouyat, R. Roy Chowdhury, M. Steele and T. Trammell. 2017. Ecological homogenization of residential macrosystems. *Nature Ecology and Evolution*. DOI: 10.1038/s41559-017-0191.
44. M. Wheeler, C. Neill, P.M. Groffman, M. Avolio, N. Bettez, J. Cavender-Bares, R. Roy Chowdhury, L. Darling, J.M. Grove, **S.J. Hall**, J. B. Heffernan, S. E. Hobbie, K.L. Larson, J. L. Morse, K.C. Nelson, L. Ogden, J.P.M. O'Neil-Dunne, D.E. Pataki, C. Polsky, M. Steele, and T. Trammell. 2017. Continental-scale homogenization of residential lawn plant communities. *Landscape and Urban Planning*, 165:54-62.
45. A. Sullivan, A.M. York, D.D. White, **S.J. Hall,** and S.T. Yabiku. 2017. De jure versus de facto institutions: trust, information, and collective efforts to manage the invasive mile-a-minute weed (*Mikania micrantha). International Journal of the Commons.* 11(1):171-199.
46. A. Sullivan, A.M. York; L. An, S.T. Yabiku, and **S.J. Hall**. 2017. How does perception at multiple levels influence collective action in the commons? The case of *Mikania micrantha* in Chitwan, Nepal. *Forest Policy and Economics*, 80(2017): 1-10. doi: 10.1016/j.forpol.2017.03.0012017

47. M.R. McHale, **S.J. Hall**, A. Majumdar, and N.B. Grimm. 2017. Carbon lost and carbon gained: A study of vegetation and carbon tradeoffs among diverse land uses in Phoenix, AZ. *Ecological Applications*, 27(2), 2017, pp. 644–661.
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