

Ahjond Garmestani, Research Scientist in EPA's National Risk Management Research Laboratory

Land and Materials Management Division

[Mailing Address](#)

garmestani.ahjond@epa.gov

Area of Expertise: Environmental governance and management research on social-ecological systems, including urban systems, watersheds and coastal areas. The research has implications for human health and the environment from local to national scales.

Select Publications:

Chuang, W., A. **Garmestani**, T. Eason, T.L. Spanbauer, H.B. Fried-Petersen, C.P. Roberts, S. Sundstrom, J.L. Burnett, D.G. Angeler, B.C. Chaffin, L. Gunderson, D. Twidwell and C.R. Allen. 2018. [Enhancing quantitative approaches for assessing community resilience](#). Journal of Environmental Management 213: 353-362.

Craig, R.K., A.S. **Garmestani**, C.R. Allen, C.A. Arnold, H. Birgé, D.A. DeCaro, A.K. Fremier, H. Gosnell and E. Schlager. 2017. [Balancing stability and flexibility in adaptive governance: an analysis of tools available in U.S. environmental law](#). Ecology and Society 22(2):3. <https://doi.org/10.5751/ES-08983-220203> (Invited Paper)

Chaffin, B.C., A.S. **Garmestani**, L.H. Gunderson, M.H. Benson, D.G. Angeler, C.A. Arnold, B. Cosens, R.K. Craig, J.B. Ruhl and C.R. Allen. 2016. [Transformative environmental governance](#). Annual Review of Environment and Resources 41: 399-423.

Chaffin, B.C., W.D. Shuster, A.S. **Garmestani**, B. Furio, S. Albro, M.M. Gardiner, M. Spring and O.O. Green. 2016. [A tale of two rain gardens: barriers and bridges to adaptive management of urban stormwater in Cleveland, Ohio](#). Journal of Environmental Management 183: 431-441.

Green, O.O., A.S. **Garmestani**, S. Albro, N. Ban, A. Berland, C. Burkman, M.M. Gardiner, L.H. Gunderson, M.E. Hopton, M. Schoon and W.D. Shuster. 2016. [Adaptive governance to promote ecosystem services in urban green spaces](#). Urban Ecosystems 19: 77-93.

Green, O.O., A.S. **Garmestani**, C.R. Allen, L.H. Gunderson, J.B. Ruhl, C.A. Arnold, N.A.J. Graham, B. Cosens, D.G. Angeler, B.C. Chaffin and C.S. Holling. 2015. [Barriers and bridges to the integration of social-ecological resilience and law](#). Frontiers in Ecology and the Environment 13: 332-337.

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Education:

- Ph.D., Clemson University, Clemson, SC; Policy Studies, 2006
- J.D., Florida State University College of Law, Tallahassee, FL; Law, 2001
- M.S., University of Florida, Gainesville, FL; Wildlife Ecology, 1997

- B.A., Emory University, Atlanta, GA; Anthropology (major), Human and Natural Ecology (co-major), philosophy (minor), 1993

Professional Experience:Workgroups and Project Leads:

- Task Lead, SHC 2.64.3: Indicators for community and ecological resilience (Ongoing)
- Task Lead, SSWR 5.02.A.3: The role of green infrastructure in sustainable stormwater management of an environmental justice community: the Slavic Village pilot project (Completed 2017)

Committee and Board Memberships:

- Associate Editor: Ecology and Society
- Ecological Society of America
- International Union for the Conservation of Nature - Commission on Ecosystem Management

Awards and Honors:

- EPA STAA Award, Honorable Mention, 2015
- EPA ORD Environmental Justice Award, 2013
- EPA STAA Award, Level III, 2012
- EPA ORD Sustainability Award, 2011
- EPA ORD Honor Award Bronze Medal, 2011
- EPA Science Award (Region 8), 2011
- EPA ORD NRMRL Honor Award, 2011