

# AHJOND GARMESTANI

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## EDUCATION

**Clemson University**  
Clemson, SC  
Ph.D. Public Policy, May 2006 (expected)  
*Dissertation Title: Structure and dynamics in complex systems*  
(Funding source: James S. McDonnell Foundation)

**Florida State University**  
College of Law  
Tallahassee, FL  
J.D., April, 2001

**University of Florida**  
Gainesville, FL  
M.S. Ecology, December, 1997  
*Thesis Title: Sea turtle nesting in the Ten Thousand Islands of Florida*  
(Funding source: U.S. Fish and Wildlife Service and National Park Service)

**Emory University**  
Atlanta, GA  
B.A. Anthropology; Co-Major: Environmental Studies, May, 1993

## PUBLICATIONS

Allen, C.R., A.S. Garmestani, T.D. Havlicek, P.A. Marquet, G.D. Peterson, C. Restrepo, C.A. Stow and B.E. Weeks. 2006. Patterns in body mass distributions: sifting among alternative hypotheses. *Ecology Letters* (In Press)

Garmestani, A.S., C.R. Allen, J.D. Mittelstaedt, C.A. Stow and W.A. Ward. 2006. Firm size diversity, functional richness and resilience. *Environment and Development Economics* (In Press)

Garmestani, A.S., C.R. Allen, and K.M. Bessey. 2006. Discontinuities in urban systems: comparison of regional city-size structure in the United States. Pages XX-XX in: C.R. Allen and C.S. Holling (eds.), *Cross-scale structure and discontinuities in ecosystems and other complex systems*, University of Chicago Press. (In Press)

Allen, C.R., A.S. Garmestani, J.A. Labram, A.E. Peck, and L.B. Prevost. 2006. When landscaping goes bad: the incipient invasion of *Mahonia bealei* in the Southeastern United States. *Biological Invasions* 8: 169-176.

Garmestani, A.S. and H.F. Percival. 2005. Raccoon removal reduces sea turtle nest depredation in the Ten Thousand Islands of Florida. *Southeastern Naturalist* 4: 469-472.

Garmestani, A.S., C.R. Allen, and K.M. Bessey. 2005. Time series analysis of clusters in city size distributions. *Urban Studies* 42: 1507-1515.

Garmestani, A.S., C.R. Allen, J.A. Labram, and A.E. Peck. 2004. Laboratory observations of red imported fire ant (Hymenoptera: Formicidae) predation upon eastern tent caterpillars (Lepidoptera: Lasiocampidae). *Journal of Entomological Science* 39: 472-473.

Allen, C.R., D.E. Epperson and A.S. Garmestani. 2004. Red imported fire ant impacts upon wildlife: a decade of research. *American Midland Naturalist* 152: 88-103.

Garmestani, A.S., H.F. Percival and K.M. Portier. 2001. Evaluation of helicopter survey as a method of assessing sea turtle nesting distribution in the Ten Thousand Islands of Florida. *Marine Turtle Newsletter* 93: 1-5.

Garmestani, A.S., H.F. Percival, K. M. Portier and K.G. Rice. 2000. Nest-site selection by the loggerhead sea turtle in Florida's Ten Thousand Islands. *Journal of Herpetology* 34: 504-510.

Garmestani, A.S., C.R. Allen, C.M. Gallagher and J.D. Mittelstaedt. 2006. Departures from Gibrat's law, discontinuities and city size distributions. *Urban Studies* (In Review)

## REPORTS

Garmestani, A.S., H.F. Percival, K.G. Rice and K.M. Portier. 1997. Sea turtle nesting in the Ten Thousand Islands of Florida. U.S. Geological Survey-Biological Resources Division. Technical Report 56: 79pp.

Garmestani, A.S. 1995. Island biogeography: Raccoon movement patterns with respect to a seasonal food resource. U.S. Fish and Wildlife Service, Naples, FL. 11pp.

## RESEARCH

Stow, C.A., C.R. Allen and A.S. Garmestani. 2006. Evaluating discontinuities in complex systems. *Ecology* (In Prep)

Garmestani, A.S., C.R. Allen and C.M. Gallagher. 2006. Patterns and processes in city size distributions: does size matter? *Journal of Economic Geography* (In Prep)

Allen, C.R., A.S. Garmestani and J.P. Sendzimir. 2006. Invasions and resilience. *Ecology and Society* (In Prep)

Allen, C.R. and A.S. Garmestani. 2006. Disturbance, biodiversity and scale. *Oikos* (In Prep)

Garmestani, A.S. and C.R. Allen. 2006. Self-organization in complex systems. *Ecology and Society* (In Prep)

## PRESENTATIONS

Garmestani, A.S. and C.R. Allen. "Structure and dynamics in complex systems" at the Swedish University of Agricultural Sciences Symposium "Advances in Macroecological Methods: The Analysis of Body Mass Patterns and Their Landscape Ecological Relevance", October 27-29, 2005, Umeå, Sweden.

Garmestani, A.S., C.R. Allen, and K.M. Bessey. "Discontinuities in time series analyses of city size distributions" at the University of Puerto Rico Symposium "Multimodality in Ecological Data: A Theoretical Puzzle and a Statistical Challenge", March 23-24, 2004, San Juan, PR.

Garmestani, A.S., C.R. Allen, and K.M. Bessey. "Discontinuities in time series analyses of city size distributions" at the Southeastern Evolution and Ecology Conference, March 5-7, 2004, Atlanta, GA.

Labram, J.A., A.S. Garmestani, A.E. Peck, C.R. Allen and L.B. Prevost. "When landscaping goes bad: the incipient invasion of *Mahonia bealei* in the Southeastern United States" at the Southeastern Evolution and Ecology Conference, March 5-7, 2004, Atlanta, GA.

Labram, J.A., A.S. Garmestani, A.E. Peck, C.R. Allen and L.B. Prevost. 2003. "When landscaping goes bad: the incipient invasion of *Mahonia bealei* in the Southeastern United States" at The Wildlife Society – South Carolina State Chapter Winter Meeting, February 4th, 2004, Columbia, SC.

Garmestani, A.S., C.R. Allen, and K.M. Bessey. 2003. "Discontinuities in urban systems over time" presented at the Strom Thurmond Institute, Clemson, SC on September 26, 2003.

Garmestani, A.S., C.R. Allen, and K.M. Bessey. 2003. "Discontinuities in urban systems over time" at the 88<sup>th</sup> Annual Meeting of the Ecological Society of America, August 3-8, 2003, Savannah, GA.

Garmestani, A.S., H.F. Percival, K.M. Portier and K.G. Rice. 1997. "Evaluation of physical parameters as indicators of nesting beach selection for the loggerhead sea turtle in the Ten Thousand Islands of

Florida” at the 17<sup>th</sup> Annual Symposium on Sea Turtle Biology and Conservation, March 5-7, 1997, Orlando, FL.

Richardson, L.W., A.S. Garmestani and H.F. Percival. 1997. “Evaluation of raccoon control as a method for improving sea turtle hatch success in the Ten Thousand Islands of southwest Florida” at the 17<sup>th</sup> Annual Symposium on Sea Turtle Biology and Conservation, March 5-7, 1997, Orlando, FL.

Garmestani, A.S., H.F. Percival and K.M. Portier. 1996. “Aerial survey as a method for assessing sea turtle nesting distribution in the Ten Thousand Islands of Florida” presented at Rookery Bay National Estuarine Research Reserve, Naples, FL on May 23, 1996.

## TEACHING

Environmental Science, Law and Policy (ENSP 400 – Clemson University) - Study of historical perspectives, attitudes, and government policy within the framework of environmental case studies to illustrate the interaction between human and natural factors as they mutually affect the environment and humankind's ability to deal with that environment (co-taught with M.L. Thompson).

## SERVICE

Manuscripts/Journals: Ecology and Society (2004, 2005), The Condor (2004)

## HONORS

Wade G. Stackhouse Graduate Fellowship, Clemson University (2003, 2004, 2005)

## EXPERIENCE

Law Clerk July 2001-August 2002

*Bailes, Craig and Yon, Huntington, West Virginia*

Responsible for conducting legal research, drafting briefs, and deposition and trial preparation.

Conducted extensive research on environmental (brownfields), land use, corporate, trusts and estate, real estate, labor and health law.

Environmental Scientist

September 1997 - June 1998

*Tetra Tech, Inc., Laurel, Maryland*

Responsible for analyzing environmental justice for Prince George’s County, Maryland, conducting environmental assessments, drafting proposals, stream and bio-indicator classification, database management, population modeling, and organization of a national low-impact development (Smart Growth) conference.

## REFERENCES

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