

Kevin R. Burgio

Department of Ecology and Evolutionary Biology
U-3043 75 No. Eagleville Road
Storrs, CT 06269-3043

email: kevin.burgio@uconn.edu - website: www.eeb.uconn.edu/people/burgio

Education

- Current **Ph.D. Student**, Ecology and Evolutionary Biology, University of Connecticut
Advisor: Margaret Rubega
Committee: Robert Colwell, Chad Rittenhouse, Brian Walker, and Michael Willig
Expected: May 2016
- 2010 **B.A.**, University of Connecticut
Major: Ecology and Evolutionary Biology (*Summa cum laude*)
University Scholar and Honors Scholar
Thesis advisors: Margaret Rubega, Chris Elphick, and Elizabeth Jockusch

Professional Experience

- 2013 - **Contributor**, Parasite Ecology Research Project
- 2012 - **Visiting Scientist**, Fairfield Uni.: Monk Parakeet thermal physiology project
- 2011 - **Project Facilitator**, National Science Foundation: Dimensions of Biodiversity
Distributed Graduate Seminar; Cross-team community assembly project
- 2010 **Field Research Supervisor**, National Audubon Society: Shrubland Bird Project
- 2009 - 2012 **Volunteer Field Assistant**, University of Connecticut: Saltmarsh Sparrow Project
- 2009 - 2010 **Research Intern**, National Audubon Society: New Haven County Breeding Bird
Atlas/Survey
- 2009 **Summer Research Fellow**, Treibeck Foundation: Monk Parakeet utility pole
nesting behavior research project
- 2008 **Field Assistant**, National Science Foundation (Research Experience for
Undergraduates): Invasive birds in seed dispersal mutualisms
- 2008 **Field Assistant**, Town of Mansfield and Natural Resources Conservation Service:
Effect of invasive plant removal on forest bird populations
- 1996 – 2002 **Staff Sergeant**, United States Air Force: duties included - Manager of Aerospace
Dentistry, dental assistant, radiology technician, and dental hygienist

Publications

Carlson, C.J., C.A. Cizuaskas, **K.R. Burgio**, C.F. Clements, and N.C. Harris. 2013. The more parasites, the better? *Science* 342:1041.

In submission:

Cisneros, L.M., **K.R. Burgio**, L.M. Dreiss, B.T. Klingbeil, B.D. Patterson, S.J. Presley, and M.R. Willig. Elevational variation of multiple dimensions of biodiversity in bats. *Journal of Animal Ecology*.

In revision:

Presley, S.J., **K.R. Burgio**, L.M. Cisneros, L.M. Dreiss, B.T. Klingbeil, B.D. Patterson, and M.R. Willig. Partitioning multiple dimensions of biodiversity along an extensive tropical elevational gradient: a comparison of three vertebrate orders.

Burgio, K.R., M. Rubega, and D. Sustaita. Utility pole nesting behavior and nest-site selection of monk parakeets (*Myiopsitta monachus*).

Research Grants, Awards, and Fellowships

Total: \$152,900

2011 - 2014	(\$121,000) National Science Foundation Graduate Research Fellow
2013	(\$500) UConn EEB Merit-based Summer Support Grant
2013	(\$17,000) UConn Faculty Large Grant (co-author, awarded to Margaret Rubega)
2013	(\$375) George Clark Jr. Connecticut Natural History Museum Award
2010	(\$150) Connecticut Natural History Museum Award
2010	(\$1500) Edwin V. Gant Memorial Scholarship
2009	(\$7500) Barry Goldwater National Scholarship
2009	(\$3500) Treibick Foundation Summer Fellowship
2009	(\$500) Life Sciences Honors Thesis Research Grant
2009	(\$500) Office of Undergraduate Research Grant
2009	(\$375) Katie Bu Memorial Grant

Presentations

Carlson, C.J., **K.R. Burgio**, and K.E. Block. Reconstructing the extinction of the Carolina Parakeet: Historical data reveal that two distinct human activities drove two separate subspecies' declines. 2013. **Ecological Society of America** Annual Meeting, Minneapolis, MN.

Willig, M.R., **K.R. Burgio**, L.M. Cisneros, L.M. Dreiss, B.T. Klingbeil, B.D. Patterson, and S.J. Presley. Comparative Biodiversity of Bats and Rodents Along an Extensive Tropical Elevational Gradient: Taxonomic, Functional, and Phylogenetic Dimensions. 2013. **American Society of Mammologists** Annual Meeting, Philadelphia, PA.

Lopez, B.E., **K.R. Burgio**, M.B. Carlucci, K.A. Palmquist, A. Parada, V. Weinberger, and A.H. Hurlbert. Inferring Community Assembly Processes Under Niche Liability: Considering the Stress Dominance Hypothesis. 2012. **Ecological Society of America** Annual Meeting, Portland, OR.

Klingbeil, B.T., **K.R. Burgio**, L.M. Cisneros, K.E. Davis, L.M. Dreiss, B.D. Patterson, S.J. Presley, and M.R. Willig. Elevational variation of multiple dimensions of biodiversity: inter-taxon comparisons. 2012. **Ecological Society of America** Annual Meeting, Portland, OR.

Teaching Experience

2010 - 2011 Teaching Assistant, Principles of Biology II Lab
2010 Guest Lecturer, Topics in Modern Biology

Undergraduate Mentoring Experience

2012 - Kali Block '15, University of Connecticut. Independent research project: Testing Bergmann's, Groger's and Allen's Rule among Monk Parakeet populations
2012 - 2013 Thomas Corona '13, University of Fairfield. Independent research project: Monk Parakeet utility pole nesting preferences

Public Outreach

- 2013 Instructor: Intermediate and advanced avian census techniques, Wildlife Society Northeast Conclave, Ashford, CT
- 2013 Invited speaker: "The Carolina Parakeet: biology, extinction, and current research" The Parrot Club, East Hartford, CT
- 2013 Invited speaker: "Monk Parakeets" Western Connecticut Bird Club, Southbury, CT
- 2012 Invited speaker: "The Distribution of Monk Parakeets in Connecticut" CT Department of Energy and Environmental Protection Avian Summit, New London, CT
- 2012 Invited speaker: "Ecology: research, graduate school, and careers" Manchester High School, CT
- 2012 "Adaptations in Birds" Franklin Elementary School, Franklin, CT
- 2010 Invited speaker: "Monk Parakeets in Connecticut: What Are They Doing Here?" New Haven Bird Club, New Haven, CT

Volunteer Experience

- 2011 - Natural Resource and Open Space Town Commissioner, Hamden, CT
- 2008 Writing Tutor, University of Connecticut
- 2000 - 2002 Head Instructor, Dental Assistant Training Program, American Red Cross

Related Skills

Leadership training – Distinguished Graduate of US Air Force Leadership School
Computer skills – R, ArcGIS 10, MaxEnt, Excel, GEOLocate, and MySQL

Professional Affiliations

Society for Conservation Biology
American Ornithologists' Union
Association of Field Ornithologists
Phi Beta Kappa Honor Society
Phi Kappa Phi Honor Society