KEVIN R. BURGIO, PHD

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PROFESSIONAL EXPERIENCE

2022 – **NE CASC Postdoctoral Fellow**, University of Massachusetts

2022 – **ORISE Fellow**, United States Geological Survey

2022 – **Consultant Conservation Biologist**, Terwilliger Consulting Inc.

2022 – **Academic Editor**, PLOS ONE

2020 – **Subject Editor**, Avian Conservation and Ecology

2019 – **Research Scientist**, University of Connecticut

2021 – 2022 **Adjunct Professor**, Hunter College

2021 – 2021 **Director of Conservation & Science**, New York City Audubon Society

2021 – 2021 **Adjunct Professor**, University of Connecticut

2019 – 2020 **Undergraduate Program Leader and Research Specialist**, Cary Institute of Ecosystem Studies

2017 – 2019 **Postdoctoral Research Associate**, University of Connecticut

EDUCATION

2017 **Ph.D.** (NSF Graduate Research Fellow)
Ecology and Evolutionary Biology, University of Connecticut

2010 **B.A.** (*Summa cum laude,* Goldwater Scholar, University Scholar, Honors Scholar)
Major: Ecology and Evolutionary Biology, University of Connecticut

PUBLICATIONS

Citations: 840. h-index: 14. i10-index: 16. ***** denotes an undergraduate mentee

Burgio, K.R., K.E. Davis, L.M. Dreiss, B.T. Klingbeil, L.M. Cisneros, S.J. Presley, C.B. van Rees, and M.R. Willig. 2022. Integrating multiple dimensions of biodiversity to inform global parrot diversity. *ANIMAL BIODIVERSITY AND CONSERVATION*. 45.2:189–202. DOI: 10.32800/ABC.2022.45.0189

Capers, R., A. Oeldorf-Hirsch, R. Wyss, **K.R. Burgio**, and M.A. Rubega. 2022. What did they learn? Objective assessment tools show mixed effects of training on science communication behaviors. *Frontiers in Communication*. 6: DOI:10.3389/fcomm.2021.805630

Erickson, O.A., R.B Cole, J.M. Isaacs, S. Alvarez-Clare, J. Arnold, A. Augustus-Wallace, J. Ayoob, A. Berkowitz, J. Branchaw, **K.R. Burgio**, et al. 2022. "How do we do this at a distance?!" A descriptive study of remote Research Experiences for Undergraduates sites during COVID19. *LIFE SCIENCES EDUCATION*. 21(1): 1-16. DOI: 10.1187/cbe.21-05-0125

Burgio, K.R., C.J. Carlson, A.L. Bond, M.A. Rubega, and M.W. Tingley. 2021. The two extinctions of the Carolina Parakeet (*Conuropsis carolinensis*). *BIRD CONSERVATION INTERNATIONAL*. 1-8. DOI:10.1017/S0959270921000241

News coverage: New York Times, National Geographic, New Scientist, Spektrum Magazine

Burgio, K.R. 2021. Night Parrot: Australia's Most Elusive Bird. *ORNITHOLOGICAL APPLICATIONS*. 123: 1-2. DOI:10.1093/ornithapp/duaa070

Rubega, M.A., **K.R. Burgio**, R.S. Capers, A.A.M. MacDonald, A. Oeldorf-Hirsch, and R. Wyss. 2021. Assessment by audiences shows little effect of science communication training. *SCIENCE COMMUNICATION*. 43(2):139-169. DOI:10.1177/1075547020971639

Burgio, K.R., C.R. van Rees, K.E. Block*, P. Pyle, M.A. Patten, M. Spreyer, and E.H. Bucher. 2020. Monk Parakeet (*Myiopsitta monachus*) v. 1.0 in *BIRDS OF THE WORLD* (P. Rodewald ed.). Ithaca: Cornell Lab of Ornithology. DOI: 10.2173/bow.monpar.01

Brightsmith, D., **K.R. Burgio**, B.J. Hiller, K.E. Block*, P. Pyle, and M.A. Patten. 2020. White-winged Parakeet (*Brotogeris versicolorus*) v. 1.0 in *BIRDS OF THE WORLD* (P. Rodewald ed.). Ithaca: Cornell Lab of Ornithology. DOI: 10.2173/bow.whwpar.01

Gravely, J.*, **K.R. Burgio**, and M.A. Rubega. 2020. A Method for Measuring the Thermal Insulation Value of Bird Feather Coats. *Journal of Visualized Experiments*. 160: e60981, DOI:10.3791/60981

Brightsmith, D., **K.R. Burgio**, B.J. Hiller, K.E. Block*, P. Pyle, and M.A. Patten. 2020. Yellow-chevroned Parakeet (*Brotogeris chiriri*) v. 1.0 in *Birds of the World* (P. Rodewald ed.). Ithaca: Cornell Lab of Ornithology. DOI: 10.2173/bow.yecpar.01

Burgio, K.R., C.M. MacKenzie, S.B. Borelle, S.K.M. Ernest, J.L. Gill, K.E. Ingeman, A. Teffer, and E.P. White. 2020. Ten Simple Rules for a Successful Remote Postdoc. *PLoS Computational Biology*. 16(5): e1007809. DOI: 10.1371/journal.pcbi.1007809

News coverage: Science, Nature, Inside Higher Ed

Bahlai, C. L.J. Bartlett, **K.R. Burgio**, A.M.V. Fournier, C.N. Keiser, T. Poisot, K. Stack Whitney. 2019. Open Science Isn't Always Open to All Scientists. *American Scientist* 107: 78-83. DOI: 10.1511/2019.107.2.78

Bond, A.L., C.J. Carlson, and **K.R. Burgio**. 2019. Local extinction of insular avifauna on the most remote inhabited island in the world. *Journal of Ornithology*. 160: 49-60.

Carlson, C.J., **K.R. Burgio**, T.A. Dallas, and W.M. Getz. 2019. The mathematics of extinction across scales: from populations to the biosphere. In: Kaper H., Roberts F. (eds) *Mathematics of Planet Earth, vol 5*. Springer, Cham. DOI: 10.1007/978-3-030-22044-0_9

Burgio, K.R., K.E. Davis, L.M. Dreiss, B.T. Klingbeil, L.M. Cisneros, S.J. Presley, and M.R. Willig. 2019. A complete phylogenetic supertree and trait database for all extant parrots. *Data In Brief* 24: 103882. DOI: 10.1016/j.dib.2019.103882

Kosman, E., **K.R. Burgio**, S.J. Presley, M.R. Willig, and S.M. Scheiner. 2019. Conservation prioritization based on trait-based metrics illustrated with global parrot distributions. *Diversity and Distributions*. 25: 1156–1165. DOI: 10.1111/ddi.12923

Carlson, C.J., A.L. Bond, and **K.R. Burgio**. 2018. Re-evaluating sighting models, and moving beyond them, to test and contextualize the extinction of the thylacine. *Conservation Biology*. 32: 1198-1199. DOI: 10.1111/cobi.13187

News coverage: IFLScience

Burgio, K.R., C.J. Carlson, and A.L. Bond. 2018. Georeferenced sighting and specimen occurrence data of the extinct Carolina Parakeet 1564 - 1944. *Biodiversity Data Journal*. 6: e25280. DOI: 10.3897/BDJ.6.e25280

News coverage: Pensoft Blog, History of Ornithology

Carlson, C.J., A.L. Bond, and **K.R. Burgio**. 2018. Estimating the extinction date of the Thylacine accounting for unconfirmed sightings. *Conservation Biology*. 32: 477-483. DOI: 10.1111/cobi.13037

News coverage: Vice

Cizauskas, C.A., C.J. Carlson, **K.R. Burgio**, C.F. Clements, N.C. Harris, E.R. Dougherty, and A.J. Phillips. 2017. Parasite vulnerability to climate change: an evidence-based functional trait approach. *Royal Society Open Science*. 4: 160535. DOI: 10.1098/rsos.160535

Burgio, K.R., C.J. Carlson, and M.W. Tingley. 2017. Lazarus ecology: recovering the natural history of the extinct Carolina parakeet. *Ecology & Evolution*. 7:5467–5475. DOI: 10.1002/ece3.3135

News coverage: Washington Post, New York Times, National Geographic, IFLScience, Salon, Smithsonian Magazine, Birding Magazine, Forbes, Audubon Magazine, Stuff You Missed in History Class

Carlson, C.J, **K.R. Burgio**, E.R. Dougherty, A.J. Phillips, V.M. Bueno, C.F. Clements, G. Castaldo, T. Dallas, C.A. Cizauskas, G. Cumming, J. Doña, N.C. Harris, R. Jovani, S. Mironov, O. Muellerklein, H.C. Proctor, and W.M. Getz. 2017. Parasite biodiversity faces extinction and redistribution in a changing climate. *Science Advances*. 3(9): e1602422 DOI: 10.1126/sciadv.1602422.

News coverage: NY Times, Popular Science, Smithsonian Magazine, and the Guardian.

Lopez, B.E., **K.R. Burgio**, M.B. Carlucci, K.A. Palmquist, A. Parada, V. Weinberger, and A.H. Hurlbert. 2016. A new framework for inferring community assembly processes using phylogenetic information, relevant traits and environmental gradients. *One Ecosystem*. 1: e9501. DOI: 10.3897/oneeco.1.e9501

Dougherty, E.R., C.J. Carlson, V.M. Bueno, **K.R. Burgio**, C.A. Cizauskas, C.F. Clements, D.P. Seidel, and N.C. Harris. 2015. Paradigms for parasite conservation. *Conservation Biology*. 30: 724-733. DOI: 10.1111/cobi.12634

News coverage: The Atlantic and Carbon Brief

Dreiss, L.M., **K.R. Burgio**, L.M. Cisneros, B.T. Klingbeil, B.D. Patterson, S.J. Presley, and M.R. Willig. 2015. Multiple dimensions of biodiversity for rodents along an extensive tropical elevational gradient: taxonomic, functional, and phylogenetic perspectives. *ECOGRAPHY*. 38: 876–888. DOI: 10.1111/ecog.00971

Burgio, K.R., M.A. Rubega, and D. Sustaita. 2014. Nest-building behavior of Monk Parakeets and insights into potential mechanisms for reducing damage to utility poles. *PEERJ*. 2**:** e601 DOI:10.7717/peerj.601

News coverage: NPR, New Hampshire Public Radio, and Hartford Business Journal

Cisneros, L.M., **K.R. Burgio**, L.M. Dreiss, B.T. Klingbeil, B.D. Patterson, S.J. Presley, and M.R. Willig. 2014. Elevational variation of multiple dimensions of biodiversity in bats. *JOURNAL OF ANIMAL ECOLOGY*. 83: 1124–1136. DOI: 10.1111/1365-2656.12201

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. DOI: 10.1126/science.342.6162.1041-a

Manuscripts in review

Burgio, K.R., L.M. Cisneros, K.E. Davis, L.M. Dreiss, B.T. Klingbeil, S.J. Presley, and M.R. Willig. *In review*. Dimensions of passerine biodiversity along a tropical elevational gradient: a nexus for historical biogeography and contemporary ecology. *JOURNAL OF AVIAN BIOLOGY*. Preprint available: *BIORXIV* 842138. DOI: 10.1101/842138

MacPherson, M.P., **K.R. Burgio**, M.G. DeSaix, B.G. Freeman, J. Herbert, R. Herman, V. Jirinec, J. Shonfield, D.L. Slager, C.B. van Rees, and J.E. Jankowski. *In review*. Predicting Bird Distributions Under Climate Change. *DIVERSITY AND DISTRIBUTIONS*. Preprint available: *BIORXIV* DOI: 10.1101/2021.05.26.445867

Gravely, J.*, **K.R. Burgio**, and M.A. Rubega. *In review*. Seasonal Plumage Condition Variation and the Thermal Value of the Feather Coats of House Sparrows (*Passer domesticus*). *JOURNAL OF AVIAN BIOLOGY*.

Hess, R.A., O.A. Erickson, R.B. Cole, J.M. Isaacs, S. Alvarez-Clare, J. Arnold, A. Augustus-Wallace, J.C. Ayoob, A. Berkowitz, J. Branchaw, **K.R. Burgio**, et al. *In review*. Zooming through Research: Evaluating the effectiveness of remote undergraduate research experiences. *Life Sciences Education*.

Preprints not currently in review

Carlson, C.J., **K.R. Burgio**, T.A. Dallas, and A.L. Bond. 2018. Spatial extinction date estimation: a novel method for reconstructing spatiotemporal patterns of extinction and identifying potential zones of rediscovery. *BIORXIV* 279679. DOI: 10.1101/279679

Carlson, C.J., O.C. Mullerklein, A.J. Phillips, **K.R. Burgio**, G. Castaldo, C.A. Cizauskas, G. Cumming, T.A. Dallas, J. Dona, Z. Miao, H. Proctor, H.S. Yoon, and W.M. Getz. 2017. The Parasite Extinction Assessment Red List (PEARL): an extensible, open-source, online biodiversity database for neglected invertebrates. *BIORXIV* 192351. DOI: 10.1101/192351

SCIENCE COMMUNICATION / NON-RESEARCH PRODUCTS

Burgio, K.R. 2021. The Extinction of the Carolina Parakeet with Kevin Burgio. *Bird Emergency Podcast* (link)

Burgio, K.R. 2021. "Burgio's Bird." *The Urban Audubon* (link**)**

Burgio, K.R. 2020, Kickstart your science career with a summer research experience. *CARY INSTITUTE OF ECOSYSTEM STUDIES BLOG* (link)

Burgio, K.R. 2018. The mysterious and tragic story of America's only endemic parrot, now extinct for 100 years. ***WASHINGTON POST*** (link), *IFLSCIENCE* (link), *SALON* (link), *REAL CLEAR SCIENCE* (link), and *THE CONVERSATION* (link); > 100,000 reads.

Burgio, K.R. 2018. Carpe diem: Stories about seizing the day. *THE STORY COLLIDER PODCAST* (link).

R PACKAGES

Burnett, J. and **K.R. Burgio**. 2021. `parrottraits`: an R package for interfacing with the Parrot Traits Database (url)

PATENTS

Burgio, K.R. and M.A. Rubega. 2013. Monk Parakeet Utility Pole Exclusion Device. Provisional Patent # 61/842,608. USA. Filed: 7/3/2013.

Research Grants, Awards, and Fellowships

Career Total: $223,736

2021	($55,000) FAO Schwarz Fellowship Grant Program (co-author)
2011 - 2016	($121,000) **National Science Foundation Graduate Fellow**
2016	($4671) Experiment crowdfunded project (co-PI w/G. Smith-Vidaurre)
2016	($750) UConn Doctoral Student Travel Award
2016	($125) American Ornithologists Union Travel Award
2016	($2000) UConn Dissertation Fellowship
2016	($840) UConn EEB Summer Support Grant
2015	($500) UConn EEB Summer Support Grant
2014	($2,850) UConn EEB Summer Support Grant
2013	($500) UConn EEB Summer Support Grant
2013	($17,000) UConn Faculty Large Grant (co-author, M. Rubega P.I.)
2013	($375) George Clark Jr. Connecticut Natural History Museum Award
2010	($150) Connecticut Natural History Museum Award
2010	($1500) Edwin V. Gant Memorial Scholarship, UConn
2009	($7500) **Barry Goldwater National Scholarship**
2009	($3500) Treibick Foundation Summer Research Fellowship
2009	($500) UConn Life Sciences Honors Thesis Research Grant
2009	($500) UConn Office of Undergraduate Research Grant
2009	($375) Katie Bu Memorial Grant
2009	($1800) UConn University Scholar Award
2007	($1000) UConn Greater Hartford Campus Scholarship
2007	($200) UConn Hartford Campus Alumni Scholarship

Presentations

Invited Seminars

2022	University of Massachusetts, Amherst, MA USA
2021	University of California at Davis, Davis, CA, USA
2021	University of Florida, Gainesville, FL, USA
2020	University of Maine, Orono, ME, USA
2020	Cary Institute of Ecosystem Studies, Millbrook, NY, USA
2020	Queen's College, CUNY, Flushing, New York, USA
2018	Rutgers University, Newark, New Jersey, USA
2018	Central Community College, Columbus, Nebraska, USA
2018	Bridgewater State University, Bridgewater, Massachusetts, USA

International / National Conferences

Burgio, K.R., K. Cruz*, N. Jacques*, E. Murley*, H. Higgins, A. Lubeck, T. Melvin, T. Rice, K. Terwilliger, and M.D. Staudinger. 2023. A review of biological responses of diadromous fishes to climate change to support the 2025 revisions of the State Wildlife Action Plans. *NORTHEASTERN DIVISION AND SOUTHERN NEW ENGLAND CHAPTER OF THE AMERICAN FISHERIES SOCIETY CONFERENCE*.

Burgio, K.R., R.L. White, F. Montaño-Centellas, K.E. Davis, C.B. van Rees, S.J. Presley, and M.R. Willig. 2020. Mapping trait-based extinction risk: identifying areas of conservation concern for parrots in a changing world. *NORTH AMERICAN ORNITHOLOGICAL CONFERENCE*.

Burnett, J.L., **K.R. Burgio**, and A. Fournier. 2020. USAvian: a tool for enhancing connections among and within the bird management, conservation, and research communities. *NORTH AMERICAN ORNITHOLOGICAL CONFERENCE*.

Rubega, M.A., **K.R. Burgio**, A.A. MacDonald, A. Oeldorf-Hirsch, R. Capers, R. Wyss. 2020. Direct assessment shows little effect of science communication training. *NORTH AMERICAN ORNITHOLOGICAL CONFERENCE*.

Gravely, J.*, **K.R. Burgio**, and M.A. Rubega. 2020. The thermal performance of worn House Sparrow (*Passer domesticus*) feather coats is even worse than you think. *NORTH AMERICAN ORNITHOLOGICAL CONFERENCE*.

Carlson, C.J., A.J. Phillips, T.A. Dallas, **K.R. Burgio**, and O.C. Muellerklein. 2017. Taking big data for a spin: the georeferenced U.S. National Parasite Collection and what it can do. *ECOLOGICAL SOCIETY OF AMERICA* Annual Meeting, Portland, OR.

Kosman, E., **K.R. Burgio**, S.J. Presley, M.R. Willig, and S.M. Scheiner. 2017. Poster: Using functional diversity to set conservation priorities: a methodology and a case study of global parrot diversity. *INTERNATIONAL BIOGEOGRAPHY SOCIETY* Annual Conference, Tuscon, AZ.

K.R. Burgio, K.E. Davis, L.M. Dreiss, L.M. Cisneros, B.T. Klingbeil, S.J. Presley, and M.R. Willig. 2016. Integrating multiple dimensions of biodiversity and considerations of climate change for parrot conservation. *NORTH AMERICAN ORNITHOLOGICAL CONFERENCE*, Washington, D.C.

Cardillo, C.*, B. Walker, **K.R. Burgio**, and M.A. Rubega. 2016. *Poster:* Is A Hothead Stressed? A pilot assessment of thermal imaging as a tool for indexing glucocorticoids. *Society of Integrative and Comparative Biology* Annual Conference, Portland, OR.

Willig, M.R., **K.R. Burgio**, L.M. Cisneros, L.M. Dreiss, B.T. Klingbeil, B.D. Patterson, and S.J. Presley. 2014. Gradients of Phylogenetic Relatedness and Size Similarity: Bats and Rodents in a Hotspot of Tropical Biodiversity (Manu, Peru). *American Society of Mammologists* Annual Meeting, Oklahoma City, OK.

Carlson, C.J., **K.R. Burgio**, and K.E. Block. 2013. Reconstructing the extinction of the Carolina Parakeet: Historical data reveal that two distinct human activities drove two separate subspecies' declines. *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. 2013. Comparative Biodiversity of Bats and Rodents along an Extensive Tropical Elevational Gradient: Taxonomic, Functional, and Phylogenetic Dimensions. *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. 2012. Inferring Community Assembly Processes under Niche Lability: Considering the Stress Dominance Hypothesis. *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. 2012. Elevational variation of multiple dimensions of biodiversity: inter-taxon comparisons. *Ecological Society of America* Annual Meeting, Portland, OR.

Teaching Experience

Instructor of Record

2021	Science Writing – University of Connecticut
2017	Ornithology Laboratory – University of Connecticut
2016	Field Methods in Ornithology – University of Connecticut
2015	Field Methods in Ornithology – University of Connecticut

Teaching Assistant

2016 Biology of the Vertebrates – University of Connecticut
2015 Principles of Biology II – University of Connecticut
2015 Ornithology Laboratory – University of Connecticut
2015 Ornithology – University of Connecticut
2014 Biology of the Vertebrates – University of Connecticut
2010, 2011 Principles of Biology II – University of Connecticut

Other Teaching Experience

2021 – 2022 Graduate Advisor – Hunter College
2012 – 2016 Undergraduate Independent Research Supervisor – Fairfield University
2015 Guest Lectures (2), Ornithology Laboratory – University of Connecticut
2015 Guest Lectures (2), Ornithology – University of Connecticut
2010 Guest Lecture, Topics in Modern Biology – University of Connecticut

MENTORING

Graduate Students

2021 – Claire O'Connell – University of Cincinnati. *PhD Committee Member*.

2021 – 2022 Clara Arndtsen '22 – Hunter College. *Primary Advisor*. Master's Thesis: Drivers of nest failure of Piping Plovers in New York City

Undergraduates

2022 – Kimberly Cruz '25 – University of Massachusetts, Amherst. Independent research project: Climate change adaptations of species of greatest conservation need in northeastern North America.

2022 – Eliza Murley '23 – University of Massachusetts, Amherst. Independent research project: Climate change adaptations of species of greatest conservation need in northeastern North America.

2022 – Noah Jacques '23 – University of Massachusetts, Amherst. Independent research project: Climate change adaptations of species of greatest conservation need in northeastern North America.

2020 – 2021 Elizabeth Jurado '21 – University of Georgia. Independent research project: Cultivating a Sense of Belonging: The Impact of Undergraduate Research Experiences

2020 – 2021 Abigail Williams '21 – Salem College. Independent research project: The Impact of Road Salt on Drinking Water

2017 – 2021 Jordana Gravely '21 – University of Connecticut. Independent research project:
Feather coat insulation of House Sparrows.
- Recipient 2018 UConn SURF Grant ($3500)
- Authored 2 publications

2012 – 2015 Kali Block '15 - University of Connecticut. Independent research project: Testing Bergmann's, Groger's and Allen's Rule among Monk Parakeet populations
- Recipient 2013 Sigma Xi GIAR ($1000)
- Co-authored 3 publications

2014 – 2016 Kerri McPhail '16 - Fairfield University. Research assistant: Testing the efficacy of infrared thermography in evaluating stress and metabolic heat loss in House Sparrows

2014 – 2016 Christian Cardillo '16 - Fairfield University. Research assistant: Testing the efficacy of infrared thermography in evaluating stress and metabolic heat loss in House Sparrows

2014 – 2016 Sabrae Boisvert '16 - Fairfield University. Research assistant: Testing the efficacy of infrared thermography in evaluating stress and metabolic heat loss in House Sparrows

2014 – 2016 Nicolette Tiernan '16 - Fairfield University. Research assistant: Testing the efficacy of infrared thermography in evaluating stress and metabolic heat loss in House Sparrows

2012 – 2013 Thomas Corona '13 - Fairfield University. Independent research project: Monk Parakeet utility pole nesting preferences

High School Students

2013 – 2015 Nikki Pirtel '15, Manchester High School.

OTHER AWARDS

2010	**University Scholar – University of Connecticut**
2010	Honors Scholar - University of Connecticut
2009	New England Scholar - University of Connecticut
2007 - 2008	Babbidge Scholar - University of Connecticut
2002	**Air Force Commendation Medal - United States Air Force**
2001	Distinguished Graduate - United States Air Force Leadership School
1999	Air Force Achievement Medal - United States Air Force
1997	Top Graduate - United States Air Force Technical Training School

PUBLIC OUTREACH

2021	"The Two Extinctions of the Carolina Parakeet" – Chicago Ornithological Society
2021	"The Two Extinctions of the Carolina Parakeet" – NYC Audubon Society
2020	Skype-A-Scientist – 5 middle/elementary school virtual visits
2020	"Avian adaptations in a changing climate" Colebrook Consolidated School
2018	"Extinction in Two Acts: The Life and Death of the Carolina Parakeet" Linda Loring Foundation
2016	Consultant for National Geographic TV series "United States of Animals" Season 1, Episode 11: "The West Sting"
2016	"Nesting behavior of Monk Parakeets on Utility Poles" American Federation of Aviculture Annual Conference
2015	"The extinction of the Carolina Parakeet" New Haven Bird Club
2013	"The Carolina Parakeet: biology, extinction, and current research" The Parrot Club
2013	"Monk Parakeets" Western Connecticut Bird Club
2013	"Carolina Parakeets" Windham High School, Windham, CT
2012	"The Distribution of Monk Parakeets in Connecticut" CT Department of Energy and Environmental Protection Avian Summit
2012	"Ecology: research, graduate school, and careers" Manchester High School, CT
2012	"Adaptations of Birds" Franklin Elementary School, Franklin, CT
2010	"Monk Parakeets in Connecticut: What Are They Doing Here?" New Haven Bird Club

Related Training and Skills

Computer programs: R, ArcGIS, MaxEnt, RSTAN, Survey Monkey, Qualtrics, EstimateS, GEOLocate, Biota, and ResearchIR

Field training/experience: mist-netting and banding, survey techniques (point counts, territory mapping, and line transects), nest searching, behavioral observations, morphological measurements, blood sampling, vegetation sampling, Infrared Thermography (IRT), and automated recording units (ARUs)

Analyses: Bayesian Likert-scale analyses, species distribution modeling, extinction modeling, species biodiversity metrics, linear mixed models, Bayesian modeling, and quantifying functional and phylogenetic biodiversity

Non-academic Service

2011 - 2015 Commissioner - Town of Hamden Natural Resource and Open Space Commission
2008 Writing Tutor - University of Connecticut
2000 - 2002 Head Instructor - Dental Assistant Training Program - American Red Cross
1996 – 2002 Staff Sergeant - United States Air Force
- Manager of Aerospace Dentistry & Combat Medic - duties include: dental assistant, radiology technician, and dental hygienist

References

Dr. Margaret A. Rubega, Professor
Dept. of Ecology and Evolutionary Biology - University of Connecticut
margaret.rubega@uconn.edu

Dr. Alexander Bond, Senior Curator in Charge of Birds
Natural History Museum, London
a.bond@nhm.ac.uk

Dr. Michael R. Willig, Professor
Dept. of Ecology and Evolutionary Biology - University of Connecticut
michael.willig@uconn.edu

Dr. Robert K. Colwell, Distinguished Professor Emeritus
Dept. of Ecology and Evolutionary Biology - University of Connecticut
robertkcolwell@gmail.com

Dr. Jacquelyn Gill, Associate Professor
School of Biology and Ecology and Climate Change Institute - University of Maine
jacquelyn.gill@maine.edu