

**Carol E. Colaninno(-Meeks), Ph.D., RPA**  
Curriculum Vitae

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Research Assistant Professor  
Center for STEM Research, Education, & Outreach  
Southern Illinois University Edwardsville

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**EDUCATION**

- 2010 Ph.D. Anthropology, University of Georgia, Athens, GA  
Dissertation: *Zooarchaeological Analysis of Vertebrate Remains from Five Late Archaic Shell Rings on the Georgia Coast, USA*. (Major Advisor: Elizabeth J. Reitz).  
2004 B.A., Anthropology, University of Florida, Gainesville, FL, Cum Laude.  
2002 A.A., Chipola Junior College, Marianna, FL.

**ACADEMIC AND PROFESSIONAL APPOINTMENTS**

- 2016 Research Assistant Professor, Center for STEM Research, Education, & Outreach, Southern Illinois University Edwardsville (50% time from March 2016-July 2018, current full time)  
2016 Research Assistant Professor, Illinois Education Research Council, Southern Illinois University Edwardsville (50% time from March 2016-July 2018)  
2015 Sponsored Research Program Director, Arkansas Archeological Survey, University of Arkansas  
2014 Station Archeologist, Arkansas Archeological Survey, University of Arkansas at Southern Arkansas University Research Station  
2014 Assistant Research Professor, University of Arkansas, Department of Anthropology  
2014 Adjunct Instructor, Southern Arkansas University, Department of Behavioral & Social Sciences  
2013 Director of Education and Museum, Center for American Archeology, Kampsville, IL  
2012 Bioarchaeological and Zooarchaeological Assistant, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois  
2012 Field and Laboratory Technician, Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois  
2012 Lecturer, Department of Anthropology, Southern Illinois University Edwardsville  
2011 Post-Doctoral Research Assistant, Zooarchaeological Laboratory, Georgia Museum of Natural History, University of Georgia  
2011 Instructor, Department of Anthropology, University of Georgia  
2006 Teaching Assistant, Department of Anthropology, University of Georgia  
2005 Research Assistant, Zooarchaeological Laboratory, Georgia Museum of Natural History, University of Georgia

**GRANTS**

- 2019 National Science Foundation Evidence-based Transformation of Undergraduate Field Schools to Promote Safety and Inclusivity among Southeastern Archaeology, Submitted by Carol E. Colaninno, Shawn P. Lambert, Emily L. Beahm, and Carl G. Drexler (\$299,999 for 3 yrs.). Under review.

- 2019 Sustainable Agriculture Research & Education Soil to Sandwich: A Personally Relevant Curriculum to Promote Interest in Agriculture, submitted by Candice L. Johnson, Carol E. Colaninno, Chelsea Reeves, Margaret Weis, and Sharon M. Locke (\$128,137.20 for 2 yrs.). Not awarded.
- 2019 National Science Foundation Mid-scale RI-1 (M1:DP): Reaping the Full Potential of Autonomy through an Integrative Urban/Rural Research Complex, submitted by Nima Lotfi Ygain, James F. Campbell, Srikanth Gururajan, and Koushik Sinha with Randall Pearson, James Campbell, Vasit Sagan, Serdar Celik, Yadong Wang, Andy Lozowski, Christopher Gordon, Ryan Fries, Michael Denn, Cem Karacal, Jerry Weinberg, David Sherrill, Adriana Martinez, Robert Dixon, Sharon Locke, Carol Colaninno, Richard Walker, Michelle Sabick, Jalil Kianfar, Courtney Breckenridge, Joshua Pritsolas, Peter Kyveryga, David Poe, Julianne Stone, Todd Mockler, and Michael Barkdoll (\$7,291,266). Not awarded.
- 2018 National Science Foundation Discovering a Model to Support Teacher-Developed Socio-Scientific Curriculum and Instruction, submitted by Caroline R. Pryor and Carol E. Colaninno (\$447,874 for 3 yrs). Not awarded.
- 2018 Illinois Humanities Council Ancient Foodways of Illinois and Beyond: An Integrative Humanities and STEM-based Workshop for Educators in Southwest Illinois, submitted by Carol E. Colaninno (\$4,000 for 1 yrs). Not awarded.
- 2018 National Science Foundation Advancing Informal STEM Learning in Online Virtual Worlds through Rational Design and Assessment of In-World Activities, submitted by Michael Shaw, Carol E. Colaninno, Edward Ackad, Connie Barber, Myron Jones (\$298,389 for 2 yrs). Not awarded.
- 2018 Internal SIUE Award, Building Stronger Broader Impacts and Community Engagement Practices, submitted by the Southern Illinois University of Edwardsville Center for STEM Research, Education, & Outreach, Colaninno as lead (\$56,279 for 1 yr). Not awarded.
- 2017 Swaroskvi Waterschool, USA Mississippi River Pilot Study, submitted by Natalie Marioni and Carol Colaninno (sub-contract award \$4,258), Awarded.
- 2017 National Science Foundation INCLUDES: Building Computing Communities: A Collective Impact Approach to Alleviating Barriers in Computer Science Pathways, submitted by Sharon Locke, Jesse Dixon, Mark McKenney, Suman Mishra, Arthur Culver, Marla Bryd, Matt Feldmann, Steven Holman, Richard Soden, Bradford White, Carol Colaninno, Evan Krauss, and Matthew Johnson (\$299,554 for 2 yrs), Not awarded.
- 2017 National Science Foundation Research Experience for Undergraduates: Exploring Evidence of the Anthropocene: Archaeological and Ecological Interdisciplinary Research Experiences for First Generation Students in the Upper Mississippi River System, submitted by Carol E. Colaninno, John H. Chick, Andrew F. Casper, Sergiusz J. Czesny, James T. Lamer, Corey S. Ragsdale, and Julie A. Zimmermann (\$287,690 for 3yrs), Awarded.
- 2016 National Science Foundation Advancing Informal STEM Learning: STEM Interest Development among Minority Youth: Personally Relevant Learning in Food Science and Engineering submitted by Jesse Dixon, Andreas G. Altemueller, Carol Colaninno, and Sharon Locke (\$683,542 for 3yrs) Not awarded.

- 2016 Swaroskvi Waterschool, USA Mississippi River Pilot Study, submitted by Natalie Marioni, Sharon Locke, Matthew Feldmann, and Carol Colaninno (sub-contract award \$8,508), Awarded.
- 2016 Arkansas Humanities Council: Gathering, Gardening, and Agriculture: Teacher Workshop Video-Web Series, submitted by Jodi A. Barnes and Carol E. Colaninno. (\$24,802), Awarded to Arkansas Archeological Survey.
- 2015 Bill Jordon Archeological Education Grant: Gathering, Gardening, and Agriculture: Curriculum and Teacher Workshops on the History and Culture of Plant-based Foodways in the Southeastern United States, submitted by Carol E. Colaninno, Jodi A. Barnes, and Elizabeth T. Horton. (\$3,290), Awarded to Arkansas Archeological Survey.
- 2015 Southeastern Archaeological Conference Public Outreach Grant: Gathering, Gardening, and Agriculture: Curriculum and Teacher Workshops on the History and Culture of Plant-based Foodways in the Southeastern United States, submitted by Carol E. Colaninno, Jodi A. Barnes, Elizabeth T. Horton, and George Sabo, III. (\$1,990), Awarded to Arkansas Archeological Survey.
- 2015 National Park Service Preservation Technology and Training Grants: Innovative Applications of GIS Data Layers and Hyperspectral Imaging to Preserve Threatened Bluffshelters in the Arkansas Ozarks through Discovery and Documentation, submitted by Jamie C. Brandon, Jami J. Lockhart, and Carol E. Colaninno. (\$39,080), Not awarded.
- 2015 Arkansas Research Fund: Request for Support to Conduct Archeofaunal Analysis at the Wallace Bottom Location, submitted by Carol E. Colaninno. (\$1,857), Not awarded.
- 2014 Institute of Library and Museum Services: Shared Histories: Reinvigorating Museum Community Relationships in Rural Illinois, submitted by Carol E. Colaninno and Jason L. King. (\$150,000, 3 yrs), Not awarded.
- 2014 National Science Foundation Research Experience for Undergraduates: Long-term Perspectives on Human-River Dynamics at the Confluence of the Illinois and Mississippi Rivers: Interdisciplinary Research for Students in Ecology and Archeology, submitted by Carol E. Colaninno, John H. Chick, Jane E. Buikstra, Lyle Guyon, Jason L. King, Natalie K. Marioni, and Terrance J. Martin. (\$275,111: 3 yrs, 1<sup>st</sup> year executed), Awarded.
- 2014 Monticello College Foundation Grant: Women in Archeology, submitted by Carol E. Colaninno. (\$29,500), Awarded.
- 2014 Illinois Humanities Council Project Grants: Archeology Day, submitted by Carol E. Colaninno, Jason L. King, and Mary Pirkel Crawford. (\$2,700), Awarded.
- 2013 Southeastern Archaeological Conference Public Outreach Grant: Mano and the Archaeology of Dogs in the Southeastern United States, submitted by Carol E. Colaninno and Mary Pirkel Crawford. (\$2,000), Not awarded
- 2013 Monsanto Grant Funds: Seeds of Change: Exploring the Science of People, Plants, & Place, submitted by Carol E. Colaninno and Mary Pirkel Crawford. (\$10,000), Awarded.
- 2013 Monticello College Foundation Grant: Women in Archeology, submitted by Carol E. Colaninno. (\$27,500), Awarded.
- 2010 Graduate School Conference Travel Grant, University of Georgia, submitted by Carol E. Colaninno. (\$800), Awarded.
- 2009 National Science Foundation, Doctoral Dissertation Improvement Grant, submitted by Dr. Elizabeth J. Reitz and Carol E. Colaninno. (\$14,500), Awarded.
- 2008 Georgia Museum of Natural History, Joshua Laerm Award, submitted by Carol E.

Colaninno. (\$750), Awarded.

## AWARDS AND HONORS

- 2010 Charles Hudson Anthropology Department Excellence in Teaching Award, University of Georgia.  
2004 Cum Laude, University of Florida.  
2002 Mu Alpha Theta Award, Chipola Junior College Mathematics Department.  
2000 Florida's Bright Future Scholarship, Florida Merit Scholar.

## RESEARCH ACTIVITIES

### Research Interest

Environmental Archaeology, Zooarchaeology, Stable Isotope Ecology, Outreach and Public Archaeology, Archaeological Education, STEM Education and Research,

### Publications

\* Indicates refereed publication

\*Sanger, Matthew C., Brian D. Padgett, Clark Spencer Larsen, Mark Hill, Gregory D. Lattanzi, Carol E. Colaninno, Brendan J. Culleton, Douglas J. Kennett, Matthew F. Napolitano, Sébastien Lacombe, Robert J. Speakman, and David Hurst Thomas

2019 Great Lakes Copper and Shared Mortuary Practices on the Archaic Coast: Implication for Long Distance Exchange during the Late Archaic. *American Antiquity* in press.

\*Sanger, Matthew C., Irvy R. Quitmyer, Carol E. Colaninno, Nicole Cannarozzi, and Donna Ruhl

2019 Multiple-Proxy Seasonality Indicators and a Refined Understanding of Early Coastal Villages: Late Archaic Shell Rings in the Coastal Southeast North American. *Journal of Island and Coastal Archaeology* published online: <https://doi.org/10.1080/15564894.2019.1614116>.

\*Colaninno, Carol E., Carla S. Hadden, Shana J. Springman, John H. Chick, Julia R. Allison, Maria S. Brauer, Courtney A. Camp, Alexander C. Huaylinos, Sarah A. Klush, Emily R. Lange, Jennifer M. McBride, Olivia A. Mullenax, Hunter C. Ridley, and Patricia M. Umbricht

2019 Effects of Exposure to Nixtamalization Liquid on Bone Collagen  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  and Archaeological Implications. *Journal of Archaeological Science Reports* published online: <https://doi.org/10.1016/j.jasrep.2019.101935>.

\*Colaninno, Carol E., and J. Matthew Compton

2018 Integrating Vertebrate and Invertebrate Seasonality Data from Ring III of the Sapelo Island Shell Ring Complex (9MC23). *Journal of Island and Coastal Archaeology* published online: <https://doi.org/10.1080/15564894.2018.1458763>.

\*Colaninno, Carol E., John H. Chick, Terrance J. Martin, Autumn M. Painter, Kelly B. Brown, Curtis T. Dopson, Ariana O. Enzerink, Stephanie R. Goesmann, Tom Higgins, Nigel Q. Knutzen, Erin N. Laute, Paula M. Long, Paige L. Ottenfeld, Abigail T. Uehling, and Lillian C. Ward

2017 An Interdisciplinary Human-Environmental Examination of Effects Consistent with the Anthropocene in the Lower Illinois River Valley. *Midcontinental Journal of Archaeology* 42(3):266-290. (<http://dx.doi.org/10.1080/01461109.2017.1375067>).

\*White, Bradford R., Carol E. Colaninno, Mimi Doll, & Holly Lewandowski

- 2017 Illinois' early childhood innovation zones: A new model for state policy? (IERC 2017-1). Illinois Education Research Council at Southern Illinois University Edwardsville, Edwardsville, IL.
- Colaninno, Carol E.  
2015 Archeology and Ecology: Bridging the Sciences through Interdisciplinary Research. *Illinois Antiquity* 50(3):3.
- \*Colaninno, Carol E., Carla S. Hadden, and Alexandra L. Emmons  
2015 Testing Archaeofaunal Collections for Differential Fragmentation. *Journal of Archaeological Science* 61:17-24.
- \*Hally, David J., Benjamin A. Steere, Emily L. Beahm, Sarah G. Bergh, Daniel P. Bigman, Carol E. Colaninno, Scot Keith, Karen Y. Smith, Frankie Snow, and Keith Stephenson  
2015 Swift Creek Vessel Forms and Vessel Assemblages in Northern and Central Georgia. *Early Georgia* 43(1 & 2):41-85.
- \*Colaninno, Carol E.  
2012 Evaluating  $\delta^{18}\text{O}$  Profiles of Hardhead Catfish and Atlantic Croaker Otoliths as a Method to Determine Seasonal Use of Fishes. In *Seasonality and Mobility along the Georgia Bight*. edited by Elizabeth J. Reitz, Irvy R. Quitmyer, and David Hurst Thomas, pp.83-101. Anthropological Papers of the American Museum of Natural History 97, New York.
- \*Colaninno, Carol E.  
2012 Evaluating Formational Models for Late Archaic Shell Rings of the Southeastern United States Using Vertebrate Fauna from the St. Catherines Island Shell Ring, St. Catherines Island, Georgia. *Journal of Island and Coastal Archaeology* 7(3):338-362.
- Colaninno, Carol E., and Elizabeth J. Reitz  
2012 Animal Remains from the South Adger's Wharf and Lower Market. In *Archaeology at South Adger's Wharf: A Study of the Redan at Tradd Street*. M. Zierden, pp. 37-69. The Charleston Museum Archaeological Contributions 45, Charleston.
- \*Colaninno, Carol E.  
2011 Examining Ichthyofaunal Remains for Evidence of Fishing Technologies Employed in Georgia Estuaries during the Late Archaic Period. *Southeastern Archaeology* 30(2):337-350.
- Colaninno, Carol E., and Elizabeth J. Reitz  
2009 Animal Remains from the Dock Street Theater Privy. In *The Dock Street Theatre: Archaeological Discovery and Exploration*, edited by Martha Zierden, pp. 37-69. Charleston Museum Archaeological Contributions 42, Charleston.
- Reitz, Elizabeth J., and Carol E. Colaninno  
2007 Interpretation of the Animals. In *Archaeology at the Heyward-Washington Stable: Charleston Through the 18th Century*, edited by Martha Zierden and Elizabeth J. Reitz, pp. 133-168. Charleston Museum Archaeological Contributions 39, Charleston.

### **Manuscripts under Review**

- Colaninno, Carol E.  
The Need for Discipline-Based Education Research in Archaeology. Under review with *Journal of Archaeology & Education* (submitted 26 August 2019).
- Colaninno, Carol E.  
Vertebrate Remains from the St. Catherines and McQueen Shell Rings, St. Catherines Island, Georgia, In *Life in the Round: Late Archaic Shell Rings of St. Catherines Island*. edited by

- Matthew C. Sanger and David Hurst Thomas. Anthropological Papers of the American Museum of Natural History, New York. Chapter (revision submitted 25 August 2019).
- Colaninno, Carol E.  
Non-human Vertebrate Remains from the Center Block, McQueen Shell Ring, St. Catherines Island, Georgia (USA), In *Life in the Round: Late Archaic Shell Rings of St. Catherines Island*. edited by Matthew C. Sanger and David Hurst Thomas. Anthropological Papers of the American Museum of Natural History, New York. Chapter (revision submitted 25 August 2019).
- Reitz, Elizabeth J., Carol E. Colaninno, Nicole Cannarozzie, and Irvy R. Quitmyer  
The Zooarchaeological Landscape as Viewed from St. Catherines Island. In *Life in the Round: Late Archaic Shell Rings of St. Catherines Island*. edited by Matthew C. Sanger and David Hurst Thomas. Anthropological Papers of the American Museum of Natural History, New York. Chapter submitted, revising.
- Reitz, Elizabeth J., Carol E. Colaninno, Nicole Cannarozzie, and Irvy R. Quitmyer  
The Environmental Setting. In *Life in the Round: Late Archaic Shell Rings of St. Catherines Island*. edited by Matthew C. Sanger and David Hurst Thomas. Anthropological Papers of the American Museum of Natural History, New York. Chapter submitted, under review.

### **Unpublished Manuscripts**

- Colaninno, Carol E., Shana Springman, Quinten Voss, Julia Allison, Maria Brauer, Julia Breed, Courtney Camp, Taylor Erickson, Alexander Huaylinos, Taesoo Jung, Sarah Klush, Ayush Kumar, Emily Lange, Laura Martinez, Jennifer McBride, Daniel Morales, Thomas Nguyen, Olivia Mullenax, R. Christian Rice, Hunter Ridley, Ethan Troyer, Patricia Umbricht, and Colby Williams  
2018 Further Examination of Ichthyofaunal Remains from the Gast Farm Site (13LA12) in Southeastern Iowa. Manuscript on file, pp. 33, Center for STEM Research, Education, & Outreach, Southern Illinois University Edwardsville, Edwardsville, IL.
- Colaninno, Carol E., and Julie A. Zimmermann  
2018 SIUE 2017 Field School Investigations at 11MS99: Interim Report. Manuscript on file, pp. 31, Center for STEM Research, Education, & Outreach, Southern Illinois University Edwardsville, Edwardsville, IL.
- Colaninno, Carol E., and Elizabeth J. Reitz  
2015 Animal Remains from Two Late Archaic Shell Rings on St. Catherines Islands, Georgia (USA). Manuscript on file, pp. 563, Georgia Museum of Natural History, University of Georgia, Athens.
- Colaninno, Carol E.  
2011 Animal Remains from Mission Period Deposits at the Sapelo Island Shell Ring Complex (9MC23). Manuscript on file, pp. 87, Georgia Museum of Natural History, University of Georgia, Athens.
- Colaninno, Carol E.  
2010 Animal Remains from 82 Pitt Street. Manuscript on file, Georgia Museum of Natural History, University of Georgia, Athens.
- Colaninno, Carol E., and Elizabeth J. Reitz  
2010 Animal Remains from the South Adger's Wharf and The Lower Market. Manuscript on file, pp. 74, Georgia Museum of Natural History, University of Georgia, Athens.
- Colaninno, Carol E.

- 2008 Animal Remains from the Dock Street Theater Privy. Manuscript on file, pp. 46, Georgia Museum of Natural History, University of Georgia, Athens.
- Orr, Kelly L., and Carol E. Colaninno  
2008 Native American and Spanish Subsistence in Sixteenth-Century St. Augustine: Vertebrate Faunal Remains from Fountain of Youth (8SJ31). St. Johns Co., Florida. Manuscript on file, Georgia Museum of Natural History, University of Georgia, Athens.
- Reitz, Elizabeth J., and Carol E. Colaninno  
2006 Animal Remains from the Heyward-Washington Stable and Carriage House Manuscript on file, Georgia Museum of Natural History, University of Georgia, Athens.

### **Published Abstracts and Presented Papers and Posters**

\* Indicates invited presenter

Colaninno, Carol E., and John H. Chick

2019 Educational Programming in Archaeology and Ecology: Improving STEM Literacy, Critical Thinking, and Interdisciplinarity among Undergraduate Students. Paper presented at the 51st annual meeting of the Mississippi River Research Consortium, La Crosse, WI.

Allison, Julia R., Sarah A. Klush, Carol E. Colaninno, and John H. Chick

2019 Effects of Increases in Sedimentation and Turbidity through Time on Fish Communities in the Upper Mississippi River System. Paper presented at the 51st annual meeting of the Mississippi River Research Consortium, La Crosse, WI.

Brauer, Maria S., Jennifer M. McBride, Carol E. Colaninno, and John H. Chick

2019 Frequency of Occurrence of Native Planktivorous Fishes in Relation to the Establishment of Bigheaded Carps. Paper presented at the 51st annual meeting of the Mississippi River Research Consortium, La Crosse, WI.

Camp, Courtney A., Olivia A. Mullenax, Carol E. Colaninno, and John H. Chick

2019 Influence of Human Fishing Strategies on Fish Communities in the Upper Mississippi River System. Paper presented at the 51st annual meeting of the Mississippi River Research Consortium, La Crosse, WI.

Huaylinos, Alexander C., Hunter C. Ridely, Carol E. Colaninno, and John H. Chick

2019 Aquatic Vegetation and Fish Community Composition in the Anthropocene. Paper presented at the 51st annual meeting of the Mississippi River Research Consortium, La Crosse, WI.

Umbricht, Patricia M., Emily R. Lange, Carol E. Colaninno, and John H. Chick

2019 The Anthropocene and Reduced Floodplain Connectivity: Community Composition as Understood through Modern and Zooarchaeological Datasets. Paper presented at the 51st annual meeting of the Mississippi River Research Consortium, La Crosse, WI.

Colaninno, Carol E., Matthew M. Johnson, Nima Lotfi, Caroline R. Pryor, and Kyong Sup Yoon

2019 SIUE STEM Center Community Impact Fellowship: Leveraging Research Activities to Engage Community Learners. Poster presented at the Continuous Improvement Conference: Developing and Deepening Community Engagement Partnerships for Learning, Inquiry, and Change, Edwardsville, IL.

\*Colaninno, Carol E., and John H. Chick

2019 Building a Better Field-Based Experience through Education. Paper presented at the 84th annual meeting of the Society for American Archaeology, Albuquerque, NM.

\*Colaninno, Carol E.

- 2018 An Initial Report of Non-human Vertebrate Remains from a Late Archaic Mortuary Context at the McQueen Shell Ring, St. Catherines Island, GA. Paper presented at the 75<sup>th</sup> annual meeting of the Southeastern Archaeological Conference, Augusta, GA.
- Springman, Shana J., Carol E. Colaninno, John H. Chick, Julia R. Allison, Maria S. Brauer, Courtney A. Camp, Alexander C. Huaylinos, Sarah A. Klush, Emily R. Lange, Jennifer M. McBride, Olivia A. Mullenax, Hunter C. Ridley, and Patricia M. Umbricht
- 2018 The Effects of Alkaline Solution on Bone Collagen  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$ . Poster presented at the 75<sup>th</sup> annual meeting of the Southeastern Archaeological Conference, Augusta, GA.
- Chick, John H., Carol E. Colaninno, Julia M. Breed, Taylor C. A. Erickson, Taesoo E. Jung, Ayush Kumar, Laura Martinez, Daniel Morales, Thomas Q. H. Nguyen, Robert C. Rice, Ethan S. Troyer, Colby J. Williams, M. Christine Draghetti, and Quinten D. Voss
- 2018 Using Data from Modern Fish Sampling and Deep-time Archaeological Collections to Explore Evidence of the Anthropocene: The Challenges of Making Apples Look Like Oranges. Paper presented at the 103rd annual meeting of the Ecological Society of American, New Orleans, LA.
- \*Colaninno, Carol E.
- 2018 The Need for Discipline-based Education Research in Archaeology. Paper presented at the 83rd annual meeting of the Society for American Archaeology, Washington D. C.
- Chick, John H., Carol E. Colaninno, Julia M. Breed, Taylor C. A. Erickson, Taesoo E. Jung, Ayush Kumar, Laura Martinez, Daniel Morales, Thomas Q. H. Nguyen, Robert C. Rice, Ethan S. Troyer, Colby J. Williams, M. Christine Draghetti, and Quinten D. Voss
- 2018 Using Data from Modern Fish Sampling and Deep-time Archaeological Collections to Explore Evidence of the Anthropocene: The Challenges of Making Apples Look Like Oranges. Paper presented at the 50th annual meeting of the Mississippi River Research Consortium.
- Breed, Julia M., Robert C. Rice, Carol E. Colaninno, and John H. Chick
- 2018 Aquatic Vegetation and the Relative Abundance of Fish Species in the Mississippi and Illinois Rivers. Poster presented at the 50th annual meeting of the Mississippi River Research Consortium.
- Erickson, Taylor C. A., Thomas Q. H. Nguyen, Carol E. Colaninno, and John H. Chick
- 2018 Exploring the Anthropocene through Multivariate Analysis of Diversity Metrics in the Upper Mississippi River System Fish Communities. Poster presented at the 50th annual meeting of the Mississippi River Research Consortium.
- Jung, Taesoo E., Daniel Morales, Carol E. Colaninno, and John H. Chick
- 2018 Effects of Levees and Hydrologic Alterations to Fish Communities in the Mississippi River. Poster presented at the 50th annual meeting of the Mississippi River Research Consortium.
- Kumar, Ayush, Colby J. Williams, Carol E. Colaninno, and John H. Chick
- 2018 Effects of the Clean Water Act and Water Quality on the Fish Community Structure in the Illinois River. Poster presented at the 50th annual meeting of the Mississippi River Research Consortium.
- Martinez, Laura, Ethan S. Troyer, Carol E. Colaninno, and John H. Chick
- 2018 Influences of Asian Carp on Archaeological and Modern Fish Communities of the Upper Mississippi River System. Poster presented at the 50th annual meeting of the Mississippi River Research Consortium.



- Van Hagen, Logan, Douglas Dvoracek, Laurie Reitsema, and Carol E. Colaninno  
 2018 Sulfur Isotope Ratios of Terrestrial and Coastal Fauna on the Southeastern Coast: A Step Toward Resolving Equifinality in Human Paleodiet Reconstructions. Poster presented at the 83rd annual meeting of the Society for American Archaeology, Washington D. C.
- Colaninno, Carol E., John H. Chick, and Matthew Feldmann  
 2017 Increasing STEM Skills and Perceptions among Undergraduates through Student-Driven Research Experiences. Paper presented at the 15th annual meeting of the Focus on Illinois Education Research Symposium, Naperville, Illinois.
- Colaninno, Carol E.  
 2016 Advancing Archaeology Through K-12 STEM Education. Paper presented at the 73rd annual meeting of the Southeastern Archaeological Conference, Athens, Georgia.
- Quitmyer, Irvy, R., and Carol E. Colaninno  
 2016 Small Tails: The Zooarchaeological Record of 5000 years of Shrimping along the Georgia Bight. Paper presented at the 73rd annual meeting of the Southeastern Archaeological Conference, Athens, Georgia.
- \*Sanger, Matthew C., Irvy R. Quitmyer, Donna Ruhl, Carol E. Colaninno, and Nicole Cannarozzi  
 2016 Communal Fidelity to Place and the Formation of Early Villages. Paper presented at the 73rd annual meeting of the Southeastern Archaeological Conference, Athens, Georgia.
- Colaninno, Carol E., John H. Chick, Terrance J. Martin, Autumn M. Beyer, Kelly B. Brown, Curtis T. Dopson, Ariana Enzerink, Stephanie R. Goesmann, Tom Higgins, Nigel Q. Knutzen, Erin N. Laute, Paula M. Long, Paige L. Ottenfeld, Abigail T. Uehling, and Lillian C. Ward  
 2016 Temporal Trends in Human-River Dynamics in the Lower Illinois River Valley through Interdisciplinary Research: A Summary of the NSF REU Bridging Archaeology and Ecology. Paper presented at the 46th annual meeting of the Mississippi River Research Consortium, La Crosse, Wisconsin.
- \*Colaninno, Carol E., Carla S. Hadden, and Maran E. Little  
 2016 Subsistence, Landscape, and Identity as Explored through Archaeofaunal Remains from Northwest Florida. Paper presented at the 81st annual meeting of the Society for American Archaeology, Orlando, Florida.
- \*Compton, J. Matthew, and Carol E. Colaninno  
 2016 No Need for White-out: Building on Betsy's Work on Multiethnic Community Foodways in Spanish Florida. Paper presented at the 81st annual meeting of the Society for American Archaeology, Orlando, Florida.
- Dopson, Curtis, Erin Laute, Carol E. Colaninno, and John H. Chick  
 2016 Comparison of Species Diversity in the Illinois River Throughout a 2,000 Year Temporal Span. Poster presented at the 46th annual meeting of the Mississippi River Research Consortium, La Crosse, Wisconsin.
- Higgins, Tom, Ariana O. Enzerink, Carol E. Colaninno, John H. Chick  
 2016 Fish Size within the Lower Illinois and Upper Mississippi River Systems. Poster presented at the 46th annual meeting of the Mississippi River Research Consortium, La Crosse, Wisconsin.
- Knutzen, Nigel, Lilian Ward, Carol E. Colaninno, John H. Chick

- 2016 Shifts in Relative Abundance of Backwater Fishes in the Lower Illinois River Valley through Millennia. Poster presented at the 46th annual meeting of the Mississippi River Research Consortium, La Crosse, Wisconsin.
- Long, Paula, Abigail T. Uehling, Carol E. Colaninno, and John H. Chick  
2016 Examining *Ictalurus* spp. and *Ameiurus* spp. Size Distribution in the Lower Illinois River Over 2,000 Years. Poster presented at the 46th annual meeting of the Mississippi River Research Consortium, La Crosse, Wisconsin.
- Ottenfeld, Paige L., Stevie Goesmann, Carol E. Colaninno, and John H. Chick  
2016 Variation in the Relative Abundance of Common Fishes Across Archaeological and Modern Time Periods. Poster presented at the 46th annual meeting of the Mississippi River Research Consortium, La Crosse, Wisconsin.
- Colaninno, Carol E., Sarah G. Bergh, and Carla S. Hadden  
2015 Hardhead Catfish Growth Rates Documented in Otoliths from Archaeological Deposits on the Georgia Coast. Paper presented at the 72nd annual meeting of the Southeastern Archaeological Conference, Nashville, Tennessee.
- Colaninno, Carol E., John H. Chick, Terrance J. Martin, Autumn M. Beyer, Kelly B. Brown, Curtis T. Dopson, Ariana O. Enzerink, Stephanie R. Goesmann, Tom Higgins, Nigel Q. Knutzen, Erin N. Laute, Paula M. Long, Paige L. Ottenfeld, Abigail T. Uehling, and Lillian C. Ward  
2015 A Temporal Examination of Archaeofaunal and Modern Collections from the Lower Illinois River and Valley. Paper presented at the 59<sup>th</sup> presented at the Midwest Archaeology Conference, Milwaukee, Wisconsin.
- Beyer, Autumn M., Carol E. Colaninno, and Kelly B. Brown  
2015 Summary of the 2015 NSF REU Integrating Archeology and Ecology: Temporal Trends in Human-River Dynamics in the Lower Illinois River Valley. Poster presented at the 59<sup>th</sup> presented at the Midwest Archaeology Conference, Milwaukee, Wisconsin.
- Colaninno, Carol E.  
2015 The Fisherfolk of the Two Late Archaic Shell Rings on St. Catherines Island, Georgia (USA). Paper presented at the 80th annual meeting of the Society for American Archaeology, San Francisco, California.
- \*Colaninno, Carol E., and Katie E. Leslie  
2014 Perspectives on Archeological and Ecological Education. Paper presented at the Mississippi River Watershed Education Symposium. Godfrey, Illinois.
- Ward, Grace M. V., Alison Shepherd, Jennifer E. Pirtle, Katie E. Leslie, and Carol E. Colaninno  
2014 Analysis of a Middle Woodland Habitation Midden Located in the Lower Illinois River Valley. Poster presented at the Midwest Archaeology Conference, Champaign, Illinois.
- \*Reitz, Elizabeth J., and Carol E. Colaninno  
2013 Life on the Georgia (USA) Coast in the Late Archaic Period. Paper presented at the 70th annual meeting of the Southeastern Archaeological Conference, Tampa Bay, Florida.
- Colaninno, Carol E., Ariel E. Taivalkoski, Katie E. Leslie, Sedrié D. Hart, and Alison Shepherd  
2013 Recent Excavations at the Buried Gardens of Kampsville: A Middle Woodland Habitation Site in the Lower Illinois Valley. Paper presented at the Midwest Archaeology Conference, Columbus, Ohio.
- Shepherd, Alison, Katie E. Leslie, Sedrié D. Hart, Ariel E. Taivalkoski, and Carol E. Colaninno

- 2013 The Education Programs of the Center for American Archeology: Educational Outreach and the Challenges of Public Archeology. Poster presented at the Midwest Archaeology Conference, Columbus, Ohio.
- \*Colaninno, Carol, Elizabeth J. Reitz, and Martha Zierden  
2012 The Lower Market and the Beef Market: Evidence for Provisioning Charleston, South Carolina. Paper presented at the Southeastern Conference on Historic Sites Archaeology Charleston, South Carolina.
- Colaninno, Carol E., Carla S. Hadden, and Alexandra L. Emmons  
2012 Testing Ichthyofaunal Collections for Size-based Differential Preservation. Paper presented at the 69th annual meeting of the Southeastern Archaeological Conference, Baton Rouge, Louisiana.
- \*Colaninno, Carol E.  
2012 Zooarchaeological Analysis of Mission Period Deposits on Sapelo Island, Georgia (USA). Paper presented at the 77th annual meeting of the Society for American Archaeology, Memphis, Tennessee.
- \*Colaninno, Carol E., and J. Matthew Compton  
2011 Stratigraphic Distribution of Vertebrate Remains from Ring III of the Sapelo Island Shell Ring Complex (9MC23). Paper presented at the 68th annual meeting of the Southeastern Archaeological Conference, Jacksonville, Florida.
- Colaninno, Carol E.  
2011 Comparing the Growth of Late Archaic and Modern Hardhead Catfish (*Ariopsis felis*) Populations from the Georgia Coast, USA. Paper presented at the 76th annual meeting of Society for American Archaeology, Sacramento, California.
- Colaninno, Carol E.  
2010 The Horizontal Distribution of Vertebrate Fauna from Four Areas of the St. Catherines Shell Ring, St. Catherines Island, Georgia. Paper presented at the 67th annual meeting of the Southeastern Archaeological Conference, Lexington, Kentucky.
- \*Colaninno, Carol E.  
2010 Evidence for Year-Round Occupation at Late Archaic Shell Rings of the Georgia Coast: Data from Oxygen Isotopic Profiles and Seasonally Sensitive Vertebrate Fauna. Paper presented at the 5th Caldwell Conference, St. Catherines Island, Georgia.
- \*Colaninno, Carol E.  
2010 Evidence for Year-Round Occupation at Late Archaic Shell Rings of the Georgia Coast: Data from Oxygen Isotopic Profiles and Seasonally Sensitive Vertebrate Fauna. Paper presented at the 75th annual meeting of Society for American Archaeology, St. Louis, Missouri.
- \*Colaninno, Carol E.  
2010 Early Foodways at Public Entertainment Establishments in Charleston, South Carolina: Animal Remains from the Dock Street Theatre Privy. Paper presented at the 43rd annual meeting of the Society for Historical Archaeology, Amelia Island, Florida.
- \*Colaninno, Carol E.  
2009 Late Archaic Paleoecology of St. Catherines Island. Paper presented at the 74th annual meeting of the Society for American Archaeology, Atlanta, Georgia.
- Hally, David, J., Emily L. Beahm, Sarah G. Bergh, Dan Bigman, Carol E. Colaninno, Ben Steere, Karen Smith, Keith Stephenson, and Frankie Snow

2009 Characterization of Swift Creek Vessel Assemblages. Paper presented at the 66th annual meeting of the Southeastern Archaeological Conference, Mobile, Alabama.

\*Colaninno, Carol E.

2008 Evaluating Late Archaic Fishing Strategies for Three Georgia Estuaries. Paper presented at the 65th annual meeting of the Southeastern Archaeological Conference, Charlotte, North Carolina.

\*Colaninno, Carol E.

2008 Vertebrate Fauna and Shell Midden Formation at the St. Catherines Shell Ring (9Li231), Georgia (USA). Paper presented at the 73rd annual meeting of the Society for American Archaeology, Vancouver, British Columbia, Canada.

\*Colaninno, Carol E.

2007 Coastal Fauna, Humans, and the Late Archaic Environment of the St. Catherines Shell Ring. Paper presented at the 64th annual meeting of the Southeastern Archaeological Conference, Knoxville, Tennessee.

Colaninno, Carol E.

2007 A Comparison of Vertebrate Remains from Two Late Archaic Shell Rings on the Georgia Coast (USA). Paper presented at the 72nd annual meeting of the Society for American Archaeology, Austin, Texas.

Colaninno, Carol E.

2006 Changing Ways: Animal Use during the Menéndez Era in La Florida. Paper presented at the 63rd Annual Meeting of the Southeastern Archaeological Conference, Little Rock, Arkansas.

## **Field Research**

- 2017-19 Southern Illinois University Edwardsville Field Supervisor, Gehring Site REU excavations, Phase III excavations.
- 2015 Arkansas Archeological Survey Field Assistant, Phase III excavations at Richards Bridge.
- 2013-15 Center for American Archeology Field Supervisor, Phase I and III excavations and geophysical testing.
- 2012 Illinois State Archaeological Survey, Prairie Research Institute, University of Illinois. Phase III excavations.
- 2006 Georgia Department of Natural Resource Sapelo Island Shell Rings. Phase III excavations of Sapelo Island Shell Ring II and selective sampling and mapping of Ring I.
- 2004-05 Southeastern Archaeological Research, Inc., Newberry, FL. Phase I and III excavations throughout Florida and in Puerto Rico.
- 2004 University of Florida St. Johns Region Field School. Phase I, II, and III excavations.
- 2003-04 University of Florida Paynes Prairie archaeological excavations. Phase I, II, and III excavations.

## **TEACHING ACTIVITIES**

### **Courses as Instructor of Record**

Southern Arkansas University

Anthropology of North American Indians (spring 2015)

General Anthropology (spring 2015)  
Southern Illinois University Edwardsville  
Independent Studies in Anthropology: Field Investigations (summer 2017, 2018, 2019)  
Human Ancestry and Adaptations (fall 2012, summer 2016, fall 2017)  
University of Georgia  
Honors Introduction to Anthropology (fall 2011)  
Human Osteology with lab (fall 2011)  
Zooarchaeology with lab (fall 2010)

### **Courses as Teaching Assistant**

University of Georgia  
Forensic Anthropology (fall 2006, spring 2010)  
Introduction to Anthropology (spring 2008)  
Zooarchaeology (fall 2007)

## **PROFESSIONAL AND PUBLIC SERVICE**

### **Professional Committee**

2019 Southeastern Archaeological Conference Sexual Harassment and Assault Conference Workshop Organizer Committee  
2019 Southeastern Archaeological Conference Public Outreach Grant Committee (through 2021)  
2018 Society for American Archaeology Webpages Redesign Task Force Member (through project completion)  
2017 Society for American Archaeology Public Education Committee (through 2020)  
2017 Society for American Archaeology For the Public Webpages Task Force Chair (through 2020)

### **Certifications**

2015 Registered Professional Archaeologist (current)  
2014 Certificated Archaeological Merit Badge Counselor for the Boy Scouts of America (current)

### **Exhibitions**

Colaninno, Carol E., and Candice L. Johnson  
2018 Science of Light STEM Center Display Case, Southern Illinois University of Edwardsville, STEM Center  
Koster-Fester, Deann, and Carol E. Colaninno  
2014 Historical Quilts of Calhoun and Greene Counties, Illinois. Center for American Archaeology Museum  
Colaninno, Carol E.  
2013 Celebrating 60<sup>th</sup> Years of Archeology. Center for American Archeology Museum

### **Session organizer and chair**

- 2018 Society for American Archaeology 83rd annual meeting, Washington D.S. Session: 21<sup>st</sup> Century Approaches to Archaeology, Education, and the Public. Sponsored by the SAA Public Education Committee. Chaired with Elizabeth Reetz.
- 2016 Society for American Archaeology 81st annual meeting, Orlando, Florida. Session: 2016 Fryxell Award Symposium: Papers in Honor of Elizabeth J. Reitz. Chaired with Susan deFrance, Carla Hadden, and Barnet Pavao-Zuckerman.
- 2011 Southeastern Archaeological Conference 68th annual meeting, Jacksonville, Florida. Session: Zooarchaeology in Coastal Environments of the Southeastern United States.

#### **Reviewer for grant proposals and publications**

- 2019 National Science Foundation Review Panel—1 panel, *Southeastern Archaeology*
- 2018 National Science Foundation Review Panel—4 panels on 3 different funding lines  
*International Journal of Osteoarchaeology, Southeastern Archaeology*
- 2017 National Science Foundation Review Panel—2 panels on different funding lines,  
*Southeastern Archaeology*
- 2016 National Science Foundation Review Panel, *Southeastern Archaeology*
- 2011 *Southeastern Archaeology*

#### **Educational and Public Outreach**

- 2018-19 Faculty Fellow for University Housing, Southern Illinois University Edwardsville.
- 2017-18 STEM Demonstrator Volunteer, Boys and Girls Club Community Day, Bethalto, Illinois.
- 2017-19 Faculty mentor for Women's Basketball Team, Southern Illinois University Edwardsville.
- 2016-18 Volunteer, Southern Illinois University of Edwardsville Science and Engineering Research Challenge Safety and Overall Challenge Judge, Edwardsville, Illinois.
- 2016-18 Volunteer, Southern Illinois University of Edwardsville Walk to End Alzheimer's, Edwardsville, Illinois.
- 2016-17 Faculty volunteer for SIUE Experience Service Day, Southern Illinois University of Edwardsville Freshman Experience, Edwardsville, Illinois.
- 2016 Presenter, The Archaeology of Early Spanish Missions in the Southeastern United States: Exploring Multiethnic Communities through Food. Southern Illinois University of Edwardsville Lifelong Learners, Edwardsville, Illinois.
- 2016 Presenter, The Archaeology of Early Spanish Missions in the Southeastern United States. Southern Arkansas Historical Foundation, El Dorado, Arkansas.
- 2015 Presenter, Fisherfolk of the Two Late Archaic Shell Rings on St. Catherines Island. Southern Illinois University Edwardsville Anthropology Club, Edwardsville, Illinois.
- 2015 Presenter, Fisherfolk of the Two Late Archaic Shell Rings on St. Catherines Island. Arkoma Chapter of the Arkansas Archeological Society, Fort Smith, Arkansas.
- 2015 Presenter, Perspective on Bridging STEM-Based through Archeology and Ecology. Ko-ko-ci Chapter of the Arkansas Archeological Society, Fayetteville, Arkansas.
- 2015 Education exhibitor, Cossatot River State Park Spring Fling Day, Wickes, Arkansas.
- 2015 Presenter, Bridging STEM-Based Education and the Humanities through Archeology. Tunican Chapter of the Arkansas Archeological Society, Monticello, Arkansas.

- 2015 Volunteer, Southern Arkansas University, Regional Science Fair Judge, Magnolia, AR.
- 2015 Presenter, Perspectives on Bridging the Humanities and STEM-Based Education through Archeology. Arkansas River Valley Chapter of the Arkansas Archeological Society, Russellville, Arkansas.
- 2014 Guest lecturer Calhoun County Elementary School History Day, Hardin, Illinois.
- 2014 Volunteer, Southern Illinois University of Edwardsville Science Fair Judge, Edwardsville, Illinois.
- 2014 Educator, Exploring the Science of Archaeology, Science Expo, Edwardsville Public Library, Edwardsville, Illinois.
- 2014 Presenter, Careers in Archeology, Lewis and Clark Community College 8<sup>th</sup> Grade Career Fair, Godfrey, Illinois.
- 2014 Presenter, Exploring Archeology, Godfrey, Illinois Boy Scout Troop, Godfrey, Illinois.
- 2014 Presenter, Course on Archeology Merit Badge, Boy Scouting University, Collinsville, Illinois.
- 2012 Volunteer, Southern Illinois University of Edwardsville Walk to End Alzheimer's, Edwardsville, Illinois.
- 2012 Faculty volunteer for SIUE Experience Service Day, Southern Illinois University of Edwardsville Freshman Experience, Edwardsville, Illinois.
- 2011-12 Gallery opening volunteer assistant, Georgia Museum of Natural History Display Gallery, Athens, Georgia.
- 2005-12 Tour guide, Georgia Museum of Natural History, Zooarchaeological Laboratory, Athens, Georgia.
- 2008-10 Guest lecturer in zooarchaeology, Kennesaw State University Archaeological Analysis course, Kennesaw, Georgia.
- 2007-08 Display and information assistant, State Botanical Garden of Georgia ForestFest, Georgia Museum of Natural History, Athens, Georgia.

## **PROFESSIONAL MEMBERSHIP**

International Council of Archaeozoology  
 Illinois Archaeological Survey  
 Midwest Archaeological Conference  
 Society for American Archaeology  
 Society for Historical Archaeology  
 Southeastern Archaeological Conference