

KAYODE NELSON ADENIJI

Phone: 252-258-4949 [E-mail](#) | [LinkedIn](#)

EDUCATION

Degrees

- 2023-pres **Ph.D.**, East Carolina University (ECU), Integrated Coastal Science (ICS)
- 2023 **MS.**, East Carolina University, Geography
- 2016 **BSc.**, Osun State University, Urban and Regional Planning

Certificates

- 2023 East Carolina University, Geographic Information Science and Technology
- 2023 Correlation One, Data Science for All Empowerment
- 2023 ESRI, Python for Everyone

PUBLICATIONS

- **Adeniji, K.N.**, Mukherji, A., (In Preparation). Impact of buyout on adjoining parcels' land value in Pitt County, NC.
- Mukherji, A., **Adeniji, K.N.**, Curtis, S., Helgeson, J., Kruse, J.K., & Ghosh, A. (Under Review). Buyout program governance in eastern North Carolina.
- Mukherji, A., **Adeniji, K.N.**, Curtis, S., Helgeson, J., Kruse, J.K., & Ghosh, A. (Under Review). Health hazards: Impacts of compound coastal water events in eastern North Carolina.
- Curtis, S., Mukherji, A., Kruse, J., Helgeson, J., Ghosh, A., & **Adeniji, N.** (2022). Perceptions of risk to compound coastal water events: A case study in Eastern North Carolina, USA. *Progress in Disaster Science*, 100266. <https://doi.org/10.1016/j.pdisas.2022.100266>
- Popoola A.A, Adeleye, B.M., **Adeniji, K.N.**, Babalola, T.O., and Magidimisha-Chipungu, H.H. (2022). Indicators for disaster vulnerability to the overflowing of the Niger river in adjoining settlements in the confluence city of Lokoja, Nigeria. *Disaster Advances*, 15(2).
- Otokiti, K., Akinola, O., **Adeniji, K.** (2020). Geospatial mapping of flood risk in the coastal megacity of Nigeria. *American Journal of Geophysics, Geochemistry, and Geosystems*. 5(4), 129-138.
- Otokiti, K., Onibaba, P., **Adeniji, K.N.**, Akinola, O., Adesina, O.S., Olawuni, D., Oladipupo, B.O. (2020). Spatiotemporal dynamics of agricultural land loss in Offa LGA: implications for food security. *World Academics Journal of Management*, 8(2), 12-17.
- Famewo, A., **Adeniji, K.**, Onibaba, P., Osunwale, O. (2020). Impact analysis of ban of commercial motorcycle on commuters in the University of Ibadan campus. *Developing Country Studies*. 10(6), 2020

CONFERENCE PRESENTATIONS

Kayode Adeniji, Anuradha Mukherji, Scott Curtis, Jamie Kruse, Jennifer Helgeson, Ausmita Ghosh, Meghan Millea. (2023). Challenges and Impacts of Buyout Programs in Eastern

North Carolina. Paper Presentation at the *48th Annual Natural Hazards Research and Applications Workshop*, Broomfield, Colorado, July 12-13, 2023.

Kayode Adeniji., William Hughes., Wilfred Lunga. (2023). Global Comparative and Temporal Study of Coastal Hazards in Coastal Communities. Poster Presentation at the *Proceedings of the Inaugural NHERI GSC Mini-Conference*. May 26, 2023.

Adeniji, K.N., Mukherji, A. (2023). Impact of Buyout Programs on Land Use Patterns in the Special Flood Hazard Area of Pitt County, North Carolina. Paper Presentation at the *Urban Affairs Association 51st annual conference*, Nashville, Tennessee. April 26-29, 2023.

Adeniji, K.N., Mukherji, A. (2023). Impact of Buyout Programs on Land Use Patterns in the Special Flood Hazard Area of Pitt County, North Carolina. Paper Presentation at the *ECU 17th annual Research and Creative Achievement Week*, Greenville, North Carolina. April 3-6, 2023.

WORKSHOPS

National Science Foundation (NSF) - Natural Hazards Engineering Research Infrastructure (NHERI) Summer Institute for Early-Career Faculty at University of Texas at San Antonio, Downtown Campus, June 21– 23, 2023.

GRANTS AND AWARDS

2023-2026 NSF Award: Large-scale CoPe: Coastal Hazards, Equity, Economic prosperity, and Resilience (PhD stipend, and tuition) **\$112, 131.00**

2023 NSF Travel Award to the NHERI Summer Institute for Early-Career Faculty at the University of Texas at San Antonio, June 21-23, 2023, **\$1,901.00**

2023 ECU Travel Award to present at the Urban Affairs Association 51st annual conference, Nashville, Tennessee. April 26-29, 2023. **\$1,201.93**

2023 ECU Travel Award to present at the 48th Annual Natural Hazards Research and Applications Workshop, Broomfield, Colorado, July 12-13, 2023. **\$1,633.48**

2023 ECU Department of Geography, Planning, and Environment summer grant for Thesis Completion and Publication “Impacts of Buyouts on Land Use Pattern in Pitt County, North Carolina.” 05/16/2023-06/30/2023. **\$3,763.00**

2022 ECU Department of Geography, Planning, and Environment summer grant for Thesis Data Collection “Impacts of Buyouts on Land Use Pattern in Pitt County, North Carolina.” 05/16/2022-06/30/2022. **\$3,375.00**

2021-2023 National Oceanic and Atmospheric Administration (NOAA) award: Preparing for, responding to compound coastal hazards in Eastern North Carolina (MS tuition, and stipend) **\$54,298.00**

EXPERIENCE

Bill Anderson Fund (BAF)

2023-Present BAF Fellow

- Accepted as a BAF fellow for Hazard and Disaster Mitigation Education and Research

East Carolina University

2023-Present Graduate Research Assistant

- Reviewing literature on coastal and in-land disaster recovery.

Correlation One

2022 – 2023 Data Science for All- Empowerment Fellow

- Participated in a 14-week data science fellowship program, including acquiring various skillsets such as data wrangling, analysis, and presentation.
- Conducted a final project as a member of a team of six on an in-depth look on how food deserts in Louisiana impact minority communities.
- Completed the fellowship with an honor certification.
- Among the top three best group project.

East Carolina University

2021-2023 Graduate Research Assistant

- Conducted qualitative data coding and analysis from focused group discussions of compound flooding stakeholders to develop common themes and disaster recovery challenges.
- Conducted various geospatial data analyses, including hotspot analysis, to understand the spatial distribution of hog farms to determine flood vulnerability.
- Reviewed literature to understand structural and non-structural mitigating measures to compound flooding.
- Geocoded spatial coordinates of agricultural facilities to identify spatial relationships
- Collaborated with primary investigators to publish the results of the analyzed stakeholders' dataset

Metronome Consults & Services Limited.

2020-2021 GIS Analyst II

- Georeferenced aerial imageries for data extraction and geodatabase development.
- Developed parcel information system in a geodatabase.
- Worked closely with field data collectors to update ground truthing observed data into a geodatabase

Kings' Meridian Survey.

2016-2017 Urban Planner/Cartographer

- Designed neighborhood layouts and site plans for clients
- Carried out environmental impact assessments for proposed physical development.

TECHNICAL SKILLS

Programming languages: Python | SQL |

Software: Microsoft Office Suite | ArcGIS Pro | AutoCAD 2D | ArcMap | ArcGIS Online |
Libraries and Packages: Jupyter| Pandas| Notebook| Matplotlib| Bokeh| Numpy | Tableau| Folium

VIRTUAL CONFERENCES ATTENDEE

2021 Association of Collegiate Schools of Planning
2022 ESRI User Conference-ESRI