



Climate Leaders Program Scholar/Faculty Fellow Teams

Students and faculty members selected as part of the 2024 cohort of the Climate Leaders Program are approaching climate change in innovative ways to improve agriculture, forest conservation, risks from infectious diseases, carbon capture/sequestration, energy hubs and alternative energy sources, flood modeling and flood mitigation/adaptation, landscape design, community engagement, public policy, and environmental justice and equity. The teams will work with their internship partners to develop solutions that mitigate and adapt to the challenges of climate change. Learn more at climateleaders.kenan.ncsu.edu



Abasiama-Arit Aniche
PhD student - 2025



Dr. Katherine McKee
Assistant Professor

College of Agriculture and Life Sciences

Climate Change Interests: Leadership models, curricula, etc. with smallholder farmers and small rural businesses to prioritize climate-smart and climate resilient decisions on technology use.

2024



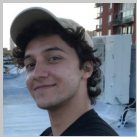
Kichul Bae
PhD student - 2026



Dr. Sankar Arumugam
Professor

College of Engineering

Climate Change Interests: Adapting water resources management strategies to account for the challenges posed by climate change, including estimating and mitigating the impact of climate change on floods.



Zakir Bulmer
PhD student - 2026



Dr. Tal Ben-Horin
Assistant Professor

College of Veterinary Medicine

Climate Change Interests: Infectious disease risks stemming from global change and expanding coastal aquaculture production.



Swarna Chowdhury
PhD student - 2025

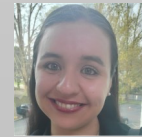


Dr. Celso Castro-Bolinaga
Assistant Professor

College of Engineering

College of Agriculture and Life Sciences

Climate Change Interests: Leverage existing understanding of coastal dynamics through advanced technical interventions to ensure coastal sustainability.



Ana Cubas-Baez
PhD student - 2025



Dr. Rajan Parajuli
Assistant Professor

College of Natural Resources

Climate Change Interests: Integration of climate policies, forest conservation and community-based natural resource management to develop and evaluate climate change mitigation and adaptation strategies.



Juwan Ha
PhD student - 2026



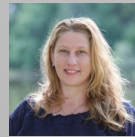
Dr. Soolyeon Cho
Professor/
Associate Dean

College of Design

Climate Change Interests: Unlocking the Potential of University campuses as energy hubs, with a focus on building energy flexibility.



Elizabeth Kreick
Master's student - 2025



Dr. Danesha Carley
Center Director/
Associate Professor

College of Agriculture and Life Sciences

Climate Change Interests: Climate justice and ecological protection via agricultural policy, education and dialogue around mitigation, and protecting and growing modern agriculture.



Lillian Lower
PhD Student - 2027

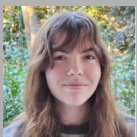


Dr. Joe Sagues
Associate Professor

College of Engineering

College of Agriculture and Life Sciences

Climate Change Interests: Sustainable energy storage materials, conversion of waste materials into value-added products, and climate and energy justice.



Erin Mansfield
Undergraduate - 2025



Dr. Alan Franzluebbbers
USDA Professor

College of Natural Resources

Climate Change Interests: Interaction of soil, water, and biotic factors in vulnerable ecosystems and development of climate adaptation methods to increase ecosystem resilience.



Brooke Matusko
Master's student - 2025



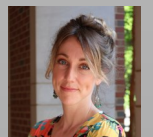
Dr. Shuijin Hu
Professor

College of Agriculture and Life Sciences

Climate Change Interests: Agricultural practices for soil carbon sequestration, agroecology, precision agriculture and reduction in carbon dioxide and nitrous oxide emissions.



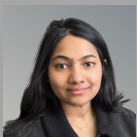
Ryan McCune
PhD student - 2027



Dr. Katherine Anarde
Assistant Professor

College of Engineering

Climate Change Interests: Understanding coastal flooding and adaptation pathways of coastal communities in a changing climate.



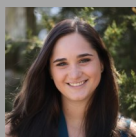
Mahe Rukh
PhD student - 2026



Dr. Fanxing Li
Alcoa Professor
University Faculty Scholar

College of Engineering

Climate Change Interests: Renewable waste utilization, green hydrogen and carbon capture.



Kelby Stallings
Master's student - 2025



Dr. Gavin Smith
Professor

College of Design

Climate Change Interests: Generating resilient and equitable climate solutions by prioritizing local knowledge, community engagement, and nature-based solutions.



Jack Voight
Undergraduate - 2025



Dr. Casey Dietrich
Professor/Associate

College of Engineering

Climate Change Interests: Using tidal and hurricane modeling to analyze sea level rise's impact on storm surge, coastal infrastructure, and mitigation efforts.