



SOIL SCIENCE POSTDOCTORAL POSITION

<p>POSITION</p>	<p>Postdoctoral Position for Agricultural Climate-Smart Research at North Carolina State University</p>
<p>JOB DESCRIPTION</p>	<p>As part of the Climate Adaptation through Agriculture & Soil Management (CASM) initiative in the Department of Crop and Soil Sciences at NCSU, we are hiring a postdoctoral research position related to mitigating climate change through enhanced rock weathering, soil carbon sequestration and GHG emission reduction in agricultural systems.</p> <p>We are seeking a highly motivated postdoctoral research associate to develop and expand the GHG program in the Sustainable Soils Lab. The successful candidate needs to demonstrate expertise in agrometeorological measurement of GHG emissions. This includes experience with field instrumentation maintenance, management of large continuous data sets including processing and data quality control. In addition, experience with GHG analytical equipment, fundamental knowledge in nitrogen and carbon cycling and experience with field-based research is desired.</p> <p>Major Responsibilities include: (1) manage and conduct novel research at a 32-acre field-scale micrometeorological experiment focused on climate-smart practices located at the Tidewater Research Station (2) Establish newly funded enhanced rock weathering GHG trials at the Cherry Research station in Goldsboro, NC. The individual will also have the opportunity to work in GHG and soil carbon experiments at the lab and greenhouse scale as part of the larger CASM team.</p> <p>Qualifications: Ph.D. in a discipline relevant to soil carbon and nitrogen dynamics, micrometeorology and agronomy; experience using and maintaining analytical equipment used to quantify GHGs and SOC; experience managing field experiments (preferably agricultural); and excellent writing and communication skills in English.</p>
<p>LOCATION</p>	<p>Crop & Soil Sciences Department, North Carolina State University, Raleigh, NC</p> <p>This position will be located within the newly opened Plant Science Building (PSB). We are unique among our U.S. and international peers due to our broad and intensive expertise spanning land use, agriculture, and environmental protection. Our outstanding faculty and strong collaborations with other scientists at our Research I university and elsewhere make us an</p>

	<p>internationally-recognized center for innovative research and graduate training. We seek high quality students pursuing careers in soil science and related fields. The Raleigh-Durham area consistently ranks among the best places to live in the United States, largely due to its vibrant intellectual community and ample access to recreational and cultural activities.</p>
HOW TO APPLY:	<p>The position will remain open until a qualified candidate is identified or hired. For Applicants interested please contact Dr. Alex Woodley (alwoodle@ncsu.edu). Please send an updated CV including a complete list of publications and a list of references.</p>
DATE AVAILABLE:	<p>October 2024 or until a suitable candidate is identified</p>