

Research Assistant
North Carolina A & T State University

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Posted Mar. 20, 2020, set to expire Jul. 20, 2020

Job Title	Research Assistant
Department	Agricultural Research
Institution	North Carolina A & T State University Greensboro, North Carolina
Date Posted	Mar. 20, 2020
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate Professional Staff
Academic Field(s)	Chemistry - General
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Job Description

Position Overview

Primary Purpose of Position

This position primarily prepares and analyzes samples for elemental and chromatographic analysis on both organic and inorganic samples. The successful candidate will support the research activities at CAES and also will participate in formulating research methods for both sample preparation and analysis and reports directly to the Analytical Services Laboratory Director.

Primary Function of Organizational Unit

North Carolina Agricultural and Technical State University's College of Agriculture and Environmental Sciences (CAES) has a rich history of innovation and application of cutting-edge technology. From our pioneering Laboratory Animal Science and Landscape Architecture programs to our award-winning Cooperative Extension and Agricultural Research programs, our faculty and staff serve today's needs while keeping an eye on the future.

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With programs and expertise in such areas as biotechnology, agricultural and biosystems engineering, natural resources management, waste management, and food microbiology, the A&T College of Agriculture grows concurrently with the demand for qualified graduates. Our four academic departments are the Department of Agribusiness, Applied Economics and Agriscience Education; the Department of Animal Sciences; the Department of Family and Consumer Sciences; and the Department of Natural Resources and Environmental Design. Within these departments, students will find a myriad of opportunities for classroom learning, research and field work.

Through our Agricultural Research Program and our Cooperative Extension Program, we are able to research issues of importance to North Carolina and also provide research-based outreach training to citizens across the state and around the world.

Minimum Requirements

Relevant post-Baccalaureate degree required; for candidates demonstrating comparable independent research productivity, will accept a relevant undergraduate degree and 3 or more years of relevant experience in substitution.

- Strong Analytical skills on proper sample preparation for organic and inorganic samples are highly desirable. Contract lab experience desired.
- Deeper understanding of general and analytical chemistry, and related instrumental techniques.
- Knowledge of working principle of microwave digesters and acid digestion.
- Ability to modify and adjust resources needed to conduct experiments.
- Ability to gather information to prepare budget and propose estimates for acquisition of supplies and equipment.
- Ability to plan and design specific quality control measures and procedures as part of research protocol.
- Ability to define standards for the collection of data; ability to set standards for accuracy, validity and integrity; ability to lead others in analysis.
- Ability to ensure compliance with regulatory standards.
- Ability to adapt and develop experimental design for multiple instruments based upon interpretation of data and or literature review, in collaboration with others.

Preferred Years Experience, Skills, Training, Education

Master's degree with at least 2 years of experience in sample preparation for elemental and chromatographic analysis.

Proficient in sample handling, preparing concentrated acids (nitric, hydrochloric, hydrofluoric) for sample digestion.



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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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