



# *The Connecticut Agricultural Experiment Station*

123 HUNTINGTON STREET, P.O. BOX 1106, NEW HAVEN, CONNECTICUT 06504

*Putting Science to Work for Society  
Protecting Agriculture, Public Health, and the Environment*

*Founded 1875*

April 28, 2021

## **POSITION ANNOUNCEMENT:**

### **ANALYTICAL CHEMIST FOR ORGANIC CONTAMINANTS IN FOOD-ENVIRONMENT SYSTEMS**

The Connecticut Agricultural Experiment Station is seeking a full-time Assistant Scientist II (Analytical Chemist) research and regulatory position in the Department of Analytical Chemistry. The position involves a dual role conducting both research and the analysis of regulatory samples in an ISO 17025 accredited environment. Advances in agriculture have increased the input of xenobiotics (e.g., pesticides, herbicides, polychlorinated biphenyls) in the food-environment continuum; and naturally occurring toxins (e.g., aflatoxin) in food continue to threaten the safety of our food systems. Addressing these impacts requires an in depth understanding of the presence, form, and dynamics of the organic contaminants through research, detection, and measurements in various matrices, including raw food, processed food and feed products, and environmental samples such as soil and water. Therefore, the incumbent position requires broad knowledge on topical issues related to chemicals applications and implications in agriculture, food, feed, soil, and water, and the linkage of such knowledge to the regulation of these contaminants by relevant state and federal agencies. Research may be directed toward the improvement of the analytical methods, or the application of the methods as part of environmental research. Potential research topics that synergize with the regulatory work include but are not limited to the role of pesticides in pollinator decline; detection of food fraud, non-targeted analysis of contaminants in soil, sediment, drinking water, and sewage wastes; the transport and biotransformation of pollutants; and urban sources of pollution, such as runoff and microplastics. The regulatory responsibilities are for the analysis of organic compounds using several HPLC/MS and GC/MS platforms in a wide variety of sample matrices submitted by other state and federal agencies. The starting salary is \$81,765.00/yr., with competitive medical and dental benefits.

Applicants must have a Ph.D. in analytical chemistry or a closely related discipline. Considerable experience with different LC-MS platforms is required. The applicant must show evidence of success in scholarly research addressing analytical or environmental chemistry through publications, presentations, and grant writing; possess excellent communication and organizational skills; be oriented toward collaborative research; and have a compelling research direction. Suitable candidates should also demonstrate the ability to conduct basic instrument troubleshooting, involvement in a network of peer activities in the analytical chemistry or related domain, and willingness to interact with regulatory agencies at the state and national levels. Interested candidates should submit electronically: 1) Curriculum Vitae; 2) statement of research interests; 3) PDF reprints of three recent publications; 4) official university transcripts; and 5) arrange to have three letters of recommendation sent to: Christian Dimkpa, Ph.D., Head, Department of Analytical Chemistry, The Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT 06504, tel. 203-974-8523, fax. 203-974-8502, [Christian.Dimkpa@ct.gov](mailto:Christian.Dimkpa@ct.gov). Website: [www.ct.gov/caes](http://www.ct.gov/caes). Review of applicants will begin immediately and will continue until a suitable applicant is found.

Equal employment opportunity means employment of people without consideration of age, ancestry, color, criminal record (in state employment and licensing), gender identity or expression, genetic information, intellectual disability, learning disability, marital status, mental disability (past or present), national origin, physical disability (including blindness), race, religious creed, retaliation for previously opposed discrimination or coercion, sex (pregnancy or sexual harassment), sexual orientation, veteran status, and workplace hazards to reproductive systems unless the provisions of sec. 46a-80(b) or 46a-81(b) of the Connecticut General Statutes are controlling or there are bona fide occupational qualifications excluding persons in one of the above protected classes. To file a complaint of discrimination, contact Dr. Jason White, Director, The Connecticut Agricultural Experiment Station, P.O. Box 1106, New Haven, CT 06504, (203) 974-8440 (voice), or [Jason.White@ct.gov](mailto:Jason.White@ct.gov) (e-mail). CAES is an affirmative action/equal opportunity provider and employer. Persons with disabilities who require alternate means of communication of program information should contact the Chief of Services, Michael Last at (203) 974-8442 (voice), (203) 974-8502 (FAX), or [Michael.Last@ct.gov](mailto:Michael.Last@ct.gov) (e-mail).

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[WWW.CT.GOV/CAES](http://WWW.CT.GOV/CAES)

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