



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

POSTDOCTORAL SCIENTIST IN POLLUTION PREVENTION

A Postdoctoral Scientist position is available in the Department of Environmental Sciences and funded by a grant from the U.S. Department of Agriculture. The individual will explore novel techniques for removing vent stream fumigants used for sterilization of commodities in international trade. The current interest is in sulfuryl fluoride, a potent greenhouse gas. The research will focus on chemical and physical adsorptive and absorptive approaches. We are seeking a creative and independent individual who will conduct original research, provide progress reports, write and submit manuscripts for publication, present results at scientific conferences, and coordinate efforts with other collaborating institutions connected with different aspects of the project. The individual will carry out exploratory bench-scale tests and then scale up promising systems to evaluate commercial potential. A main objective will be to establish underlying mechanisms based on physical-chemical principles. The candidate must have a Ph.D. degree in chemical engineering, environmental engineering, chemistry, or related discipline. Helpful will be experience in catalysis, carbons, hydrolytic reactions, adsorption, methods of materials characterization (XPS, TEM, SEM-EDX, FTIR and others), and working with gaseous reagents. Applicants must have demonstrated effective oral and written communication skills, be able to provide a coherent and well-organized presentation of their past work and have a strong publication record. The appointment is for one year with the possibility of renewal subject to performance. Starting salary is \$51,622 per annum with attractive benefits. Interested persons should submit electronic copies of: 1) a letter of application specifically addressing how the applicant meets the job requirements and has the background skills as listed above; 2) a CV; 3) one example of a published or in-print paper; and 4) contact information for at least three professional references, to Dr. Joe Pignatello, Chief Scientist and Head, Department of Environmental Sciences, The Connecticut Agricultural Experiment Station, 123 Huntington Street, P. O. Box 1106, New Haven, CT 06504; joseph.pignatello@ct.gov. Incomplete applications will not be considered. Review of applicants will begin immediately and 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 (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 (e-mail).

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