

December 5, 2023

POSTDOCTORAL SCIENTIST IN POLLUTION PREVENTION

A Postdoctoral Scientist position is anticipated at The Connecticut Agricultural Experiment Station 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 buildings and commodities in international trade. The current interest is sulfuryl fluoride, a potent greenhouse gas. The research will focus on a patent-pending, peroxide-based process as well as other chemical approaches for scrubbing this gas from vent streams. We are seeking a creative and independent individual with a strong background in chemical engineering and chemistry 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 systems to develop commercial potential. A main objective will be to optimize conditions and establish underlying mechanisms.

The candidate must have a Ph.D. degree in chemical engineering, environmental engineering, chemistry, or related discipline. Helpful will be experience in catalysis, hydrolysis, redox reactions, working with gaseous reagents, and analytical techniques. 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 about one and a half years. Salary and benefits are competitive.

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. Joseph Pignatello (Joseph.Pignatello@ct.gov), The Connecticut Agricultural Experiment Station, 123 Huntington Street, P. O. Box 1106, New Haven, CT 06511. 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 Jason White, Ph.D., Director, The Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT 06511, (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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