



The Connecticut Agricultural Experiment Station

*Putting Science to Work for Society since 1875*

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May 25, 2022

### **Postdoctoral Scientist: Environmental Catalysis**

A Postdoctoral Scientist position is anticipated in the Department of Environmental Sciences starting in September or October of 2022. The individual will seek novel carbonaceous catalysts to accelerate degradation of munitions compounds by hydrolytic and advanced oxidation means, and carry out related studies on the influence of adsorption. We are seeking a creative and independent individual with strong interests in chemical processes to design catalysts, carry out necessary thermodynamic and kinetic experiments, establish underlying reaction mechanisms, and take first steps toward implementation. The individual will be expected to coordinate efforts with collaborators, write progress reports, draft manuscripts for publication, and present results at scientific conferences.

The candidate must have a Ph.D. degree in chemistry, chemical/environmental engineering, or closely related fields. Experience with carbonaceous materials and advanced oxidation processes, along with skills in materials characterization (XPS, TEM, SEM-EDX, FTIR, porosimetry, etc.) are important. Experience in computational chemistry would be a plus. Applicants must have effective oral and written communication skills, be able to give a coherent and well-organized presentation of their work, and have a strong publication record.

The appointment is for one year with renewal for a second year subject to performance and funding. Starting annual salary is approximately \$54,235 with competitive benefits. Applicants should send a consolidated single PDF file consisting of: 1) a letter of application specifically addressing the essential experience and job requirements specified above; 2) a CV; 3) one or two examples of a published or in-print paper; and 4) contact information for at least three professional references, including statements of their professional relationship to the applicant, to Dr. Joseph Pignatello, Chief Scientist and Head, Department of Environmental Sciences, [Joseph.Pignatello@ct.gov](mailto:Joseph.Pignatello@ct.gov). Review of applications 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, 123 Huntington Street, New Haven, CT 06511, (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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