

Research Associate (5190U) - Civil & Environmental  
Engineering  
University of California, Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=260485>

Downloaded On: Aug. 2, 2025 1:30am

Posted Jul. 31, 2025, set to expire Jun. 30, 2026

<b>Job Title</b>	Research Associate (5190U) - Civil & Environmental Engineering
<b>Department</b>	Civil & Environmental Engineering
<b>Institution</b>	University of California, Berkeley Berkeley, California
<b>Date Posted</b>	Jul. 31, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Research Scientist/Associate
<b>Academic Field(s)</b>	Ecological and Environmental Civil Engineering Engineering - Other
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**Job Description**

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**Research Associate (5190U) - Civil & Environmental Engineering**

**About Berkeley**

At the University of California, Berkeley, we are dedicated to fostering a community where everyone feels welcome and can thrive. Our culture of openness, freedom and belonging make it a special place for students, faculty and staff.

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As a world-leading institution, Berkeley is known for its academic and research excellence, public mission, diverse student body, and commitment to equity and social justice. Since our founding in 1868, we have driven innovation, creating global intellectual, economic and social value.

We are looking for applicants who reflect California's diversity and want to be part of an inclusive, equity-focused community that views education as a matter of social justice. Please consider whether your values align with our [Guiding Values and Principles](#), [Principles of Community](#), and [Strategic Plan](#).

At UC Berkeley, we believe that learning is a fundamental part of working, and provide space for [supportive colleague communities via numerous employee resource groups](#) (staff organizations). Our goal is for everyone on the Berkeley campus to feel supported and equipped to realize their full potential. We actively support this by providing all of our full-time staff employees with at least 80 hours (10 days) of paid time per year to engage in professional development activities. Find out more about how you can [grow your career](#) at UC Berkeley.

### Departmental Overview

The Department of Civil and Environmental Engineering (CEE) at UC Berkeley is a worldwide leader in developing engineering solutions to societal-scale challenges. Berkeley CEE conducts cutting-edge research in evolving and vital areas that address societal needs for well-designed and well-operated buildings, energy, transportation, and water systems. These critical systems must be reliable and resilient in the face of hazards such as earthquakes and flooding. Extensive efforts will be needed to adapt civil infrastructure to withstand adverse changes in weather and climate. Our research and teaching serve the needs of a growing and increasingly urban world population that requires sustainable improvements in standards of living.

Berkeley CEE research establishes and advances the intellectual foundations of new fields of study. We develop theory and improve understanding, and provide tools and techniques for solving important new problems. The educational activities of Berkeley CEE focus on developing future leaders in the engineering profession, in academia, and in the broader societal context. Through individual and collective efforts, Berkeley CEE serves the needs of our College and University and provides technical expertise and service to other public, private, and professional entities.

Berkeley CEE is a place of intellectual vitality and diversity in which all students, faculty, and staff have the opportunity and the impetus to achieve their highest potential. Signs of this vitality and diversity are seen in innovative research conducted by students and faculty; creative, flexible, adaptable, and forward-looking curricula; outstanding classroom teaching; attentive academic mentoring; and a shared sense of a community that is inclusive and respectful of all members. We are proud of our contributions

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to the public mission of the University of California, as demonstrated, for example, by our role in providing access to higher education for students from low and middle-income families.

The Research Associate will assist with the Pickering lab's mission to conduct implementation research on scaling in-line chlorination to underserved settings. The successful applicant would manage and lead projects on the UC Berkeley campus, with field travel to the research sites in Nigeria and India. There will also be opportunities to contribute to writing peer-reviewed manuscripts.

The lab is piloting in-line chlorination implementation models in Nigeria and India. Support is needed to visit study site locations in Nigeria and India to scope/evaluate the potential to implement in-line chlorination in these contexts. The scoping activity in Nigeria will directly lead to two randomized controlled trials of in-line chlorination across two states, where in-line chlorination technologies will be installed and evaluated over a period of 12 months. Across both study sites in Nigeria and India, the Pickering Lab is also conducting taste detection studies among communities with and without chlorinated water to understand preferences for drinking water.

**This is a 100% FTE, 1-year contract position with the possibility of extension.**

### **Application Review Date**

The First Review Date for this job is: August 12, 2025 - Open Until Filled

### **Responsibilities**

**40%** - Project management of two studies of in-line chlorination in 80 communities in Cross River and Kano, Nigeria, with planned field travel to the study sites.

**30%** - Plan, oversee, and manage chlorine taste detection studies among community members in the two states in Nigeria to understand preferences for chlorinated water and in two States in India.

**20%** - Oversee data collection, process and clean data, conduct data analysis, write up results for funding reports and manuscripts.

**10%** - Apply knowledge of engineering concepts for installing chlorination technologies in the communities. Assist with installation protocols and operation protocols.

### **Required Qualifications**

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- Demonstrated leadership in previous water infrastructure or water treatment field research projects.
- Ability to take initiative to troubleshoot and design solutions to technical challenges.
- Knowledge of water treatment and chemical and microbial water quality testing.
- Competence with Microsoft Excel and Microsoft Word.
- Competence with statistical analysis software (R, Python, Stata, etc.).

### Preferred Qualifications

- Master's degree in engineering or related discipline.
- Computer assisted design (Solidworks or Fusion360) is a plus.

### Salary & Benefits

For information on the comprehensive benefits package offered by the University, please visit the University of California's [Compensation & Benefits](#) website.

Under California law, the University of California, Berkeley is required to provide a reasonable estimate of the compensation range for this role and should not offer a salary outside of the range posted in this job announcement. This range takes into account the wide range of factors that are considered in making compensation decisions including but not limited to experience, skills, knowledge, abilities, education, licensure and certifications, analysis of internal equity, and other business and organizational needs. It is not typical for an individual to be offered a salary at or near the top of the range for a position. Salary offers are determined based on final candidate qualifications and experience.

The budgeted salary or hourly range that the University reasonably expects to pay for this position is \$29.31 to \$35.00 hourly. This is a 100% FTE, 1-year contract position eligible for full benefits. This position is FLSA Non-exempt and paid biweekly.

### Misconduct Disclosure

As a condition of employment, the final candidate who accepts a conditional offer of employment will be required to disclose if they have been subject to any final administrative or judicial decisions within the last seven years determining that they committed any misconduct; received notice of any allegations or are currently the subject of any administrative or disciplinary proceedings involving misconduct; have left a position after receiving notice of allegations or while under investigation in an administrative or disciplinary proceeding involving misconduct; or have filed an appeal of a finding of

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misconduct with a previous employer.

"Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment, discrimination, dishonesty, or unethical conduct, as defined by the employer. For reference, below are UC's policies addressing some forms of misconduct:

[UC Sexual Violence and Sexual Harassment Policy](#)

[UC Anti-Discrimination Policy](#)

[Abusive Conduct in the Workplace](#)

### **Equal Employment Opportunity**

The University of California is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected status under state or federal law.

**To apply, visit**

[https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS\\_HRAM\\_FL.HRS\\_CG\\_S](https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS_CG_S)

### **Contact Information**

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

#### **Contact**

N/A

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