

Research Scientist
Worcester Polytechnic Institute

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Posted Jun. 16, 2025, set to expire Jul. 3, 2025

Job Title Research Scientist
Department Chemical Engineering - NFR JM
Institution Worcester Polytechnic Institute
Worcester, Massachusetts

Date Posted Jun. 16, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Chemical/Petroleum

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Job Description

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JOB TITLE

Research Scientist

LOCATION

Worcester

DEPARTMENT NAME

Chemical Engineering - NFR JM

DIVISION NAME

Worcester Polytechnic Institute - WPI

JOB DESCRIPTION SUMMARY

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The Chemical Engineering Department at WPI is seeking a highly motivated Research Scientist to conduct advanced research on the development and optimization of techniques for uranium extraction from wastewater. The successful candidate will join an interdisciplinary team of researchers working at the intersection of environmental engineering, chemistry, and materials science, with the goal of enhancing resource recovery and mitigating environmental contamination from the nuclear and mining industries.

JOB DESCRIPTION

Key Responsibilities:

- Design, synthesize, and characterize novel electrode materials for selective uranium capture from complex aqueous matrices.
- Investigate fundamentals of the chemical-electrochemical-mechanical processes for uranium extraction.
- Conduct laboratory-scale experiments and data analysis.
- Conduct synchrotron-based experiments at the national laboratory facilities
- Prepare reports, scientific publications, and presentations for conferences and stakeholders.
- Assist with mentoring graduate and undergraduate students and contribute to collaborative proposals for external funding.

FLSA STATUS

United States of America (Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. It seeks individuals from all backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.

To apply, visit: https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Research-Scientist_R0003179

About WPI

WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and

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state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

Diversity & Inclusion at WPI

WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

Contact Information

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

Contact

N/A

Worcester Polytechnic Institute

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