

Tenure-Track Assistant Professor in Water Quality in Civil and Environmental Engineering

### **About UMass Amherst**

UMass Amherst, the Commonwealth's flagship campus, is a nationally ranked public research university offering a full range of undergraduate, graduate and professional degrees. The University sits on nearly 1,450-acres in the scenic Pioneer Valley of Western Massachusetts, and offers a rich cultural environment in a bucolic setting close to major urban centers. In addition, the University is part of the Five Colleges (including Amherst College, Hampshire College, Mount Holyoke College, and Smith College), which adds to the intellectual energy of the region.

As a campus with an increasingly diverse student body, we are looking for candidates who can operate effectively in a diverse faculty and student community, and who value collegiality, collaboration, achievement, and integrity. We encourage applications from women, minorities, and individuals with a commitment to mentor under-represented demographics within engineering. We are committed to helping all constituents reach their full potential, creating best-in-practice operations to support faculty scholarship and fostering excellence in student experiences inside and outside our department.

UMass Amherst is a leader in providing institutional supports for faculty to combine work and family/personal responsibilities, and was listed among the Chronicle of Higher Education's ["Great Colleges to Work For"](#). UMass is in the top 10% of public research-intensive universities in the COACHE survey for making having and raising children compatible with the tenure-track. For more information on work-life balance at UMass Amherst, see <https://www.umass.edu/prospective-faculty/work/balance>

### **Job Description:**

The Department of Civil and Environmental Engineering at the University of Massachusetts Amherst invites applications for a tenure-track faculty position at the assistant professor level. We seek an individual that can address national and international water quality challenges, broadly defined, in support of a department-level focus on resilient civil infrastructure systems. The appointment is expected to begin September 1, 2020. Specific areas of interest include but are not limited to physical-chemical treatment processes, water reuse, water quality, water quality modeling, advanced oxidation processes, fate and transport of contaminants, drinking water distribution systems, or other supporting fields.

The Department of Civil and Environmental Engineering has 27 full-time, tenure track faculty members and approximately 120 graduate students and 330 undergraduates. The department's FY 19 research expenditures exceed \$13 million/year. Additional information about the Department can be obtained at [cee.umass.edu](http://cee.umass.edu).

### **Requirements:**

The candidate should have graduate and undergraduate teaching interests that draw from one or more of the following areas: introduction to environmental and water resources engineering,

water treatment, water supply and distribution, water chemistry, and/or cross-disciplinary courses across program areas on resilient infrastructure systems. In addition to teaching courses related to water quality and/or treatment, the candidate should have interest in contributing to a planned new BS in Environmental and Water Resources Engineering (B.S. EWRE) degree program. Applicants must have a Ph.D. in Civil or Environmental Engineering or a closely related field or anticipate such a degree by August, 31, 2020. Salary will be commensurate with qualifications and experience.

### **Additional Information:**

The successful candidate will be responsible for establishing and maintaining a program of externally funded research. We anticipate the successful candidate will have a commitment to working within a diverse community of students and faculty and would pursue interdisciplinary research collaborations within the department and throughout the campus.

### **Application Instructions:**

Candidates should provide the following in their application package addressed to Caitlyn Butler, search chair. Applications will be reviewed starting on December 15, 2019 and reviewed until the search is completed.

- (1) A cover letter that lays out your interest in this position and why you are a good fit.
- (2) Statement of research outlining your accomplishments briefly, focusing on your future plans and potential fit at UMass;
- (3) Statement of teaching, including your teaching philosophy and potential courses you might offer at the undergraduate and graduate level
- (4) Statement about equity, diversity and inclusion as they relate to the faculty role in teaching, research and/ or service. Specifically, the search committee is looking for indicators of commitment to diversity, equity and inclusion and the different ways this might be demonstrated, such as in research and scholarship, teaching, mentorship, service and engagement, skill building and personal growth, and personal background experiences.
- (5) current curriculum vitae
- (6) full contact information for 3 references

### **Process**

The steps of the process are as follows:

- A minimally qualified pool is identified
- All remaining candidates are evaluated, and a long list is identified, which will be interviewed via zoom/phone/skype
- A shortlist will be developed and be invited to interview on campus

*The University is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages*

*applications from these and other protected group members. Because broad diversity is essential to an inclusive climate and critical to the University's goals of achieving excellence in all areas, we will holistically assess the many qualifications of each applicant and favorably consider an individual's record working with students and colleagues with broadly diverse perspectives, experiences, and backgrounds in educational, research or other work activities. We will also favorably consider experience overcoming or helping others overcome barriers to an academic career and degree.*

*We are seeking talented applicants qualified for an assistant professor position. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration.*