

**From:** Jennifer Fraterrigo  
**Subject:** Assistant Professor in Aquatic Biogeochemistry and Water Quality, University of Illinois at Urbana-Champaign

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The Department of Natural Resources and Environmental Sciences (NRES) in the College of Agricultural, Consumer and Environmental Sciences (ACES) at the University of Illinois Urbana – Champaign ([https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_nres.illinois.edu&d=DwIF-g&c=Ngd-ta5yRYsqUsEdgxhcqYYY1Xs5ogLxWPA\\_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTYn59ZLoL&m=o2PRBk37umM2rSHLpeUdWDe5R27PMF8ofF98NNGhg&s=6U1yMp86fEo-U6hSo-CB7b-sD4xS0mtX9AU\\_pt0014g&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__nres.illinois.edu&d=DwIF-g&c=Ngd-ta5yRYsqUsEdgxhcqYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTYn59ZLoL&m=o2PRBk37umM2rSHLpeUdWDe5R27PMF8ofF98NNGhg&s=6U1yMp86fEo-U6hSo-CB7b-sD4xS0mtX9AU_pt0014g&e=)), invites candidates to apply for a 9-month, tenure-track, 60% research/40% teaching Assistant Professor in the areas of Water Quality and Aquatic Biogeochemistry.

The successful candidate will develop a nationally recognized program focused on the influence of human activities and associated changes (land use intensification, climate change) on inland freshwaters and/or terrestrial-aquatic interfaces. We are particularly interested in candidates who use empirical and/or modeling approaches to address one or more of the following topics: the efficacy of field-scale agricultural practices designed to prevent nutrient and/or agrochemical loss; how changes in management and climate interact to impact solute transport and water flux through landscapes; feedbacks between climate change and availability and transformations of nutrients within a watershed. The incumbent is expected to have expertise in the measurement of soil and water biogeochemical processes and rates, and the linkages that exist between terrestrial biogeochemistry, surface water quality and aquatic ecosystem function. This hire will complement existing faculty in the Department working on land use and land cover change, water and chemical transport in soils, water quality and protection, aquatic ecosystem conservation, and land-atmosphere interactions in agro ecosystems, as well as faculty in related departments working on climate change and ecosystem ecology in natural and managed systems.

The University of Illinois at Urbana-Champaign is the flagship campus of the University of Illinois system and offers an extraordinary environment for water quality research and education. NRES has a strong, highly ranked research and education program focusing on management, restoration and human dimensions of natural resources. This program is connected to related campus programs on watershed and ecological systems anchored in the Department of Agricultural and Biological Engineering, the Department of Crop Sciences, the Department of Geography and Geographic Information Science (GGIS), the Department of Civil and Environmental Engineering, the Illinois State Water Survey, the Illinois State Geological Survey, the USGS Water Science Center, the National Great Rivers Research and Education Center, the Department of Plant Biology and the Illinois Natural History Survey.

In addition to developing an extramurally funded research program, the successful candidate will be expected to teach undergraduate and graduate courses, such as biogeochemistry. A Ph.D. in an appropriate field is required at the time of appointment and postdoctoral experience is preferred. Applicants are expected to present evidence of excellence in research and teaching. The start date is August 16, 2018. Salary is commensurate with qualifications and experience.

To apply, create your candidate profile through [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_jobs.illinois.edu\\_&d=DwIF-g&c=Ngd-ta5yRYsqUsEdgxhcqYYY1Xs5ogLxWPA\\_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTYn59ZLoL&m=o2PRBk37umM2rSHLpeUdWDe5R27PMF8ofF98NNGhg&s=ndoTz9N2420\\_UO818whgA2sE193xb7UGh6EEIBUxzY&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__jobs.illinois.edu_&d=DwIF-g&c=Ngd-ta5yRYsqUsEdgxhcqYYY1Xs5ogLxWPA_2Wlc4&r=e2OJ1azRFn8ihJzb2HxZT0AqoiqLvxfeeTYn59ZLoL&m=o2PRBk37umM2rSHLpeUdWDe5R27PMF8ofF98NNGhg&s=ndoTz9N2420_UO818whgA2sE193xb7UGh6EEIBUxzY&e=)

and submit the following application materials: Letter of application, Curriculum Vitae, up to three representative publications, statement of teaching and research interests, as well as the names and contact information of three professional references. To receive full consideration, all requested application material must be submitted via the online system by the close date of November 5, 2017. Applicants are highly encouraged to submit applications early to ensure letters of reference may be requested and received in a timely manner as interviews are planned to begin in early December 2017.

Inquiries should be directed to: Dr. Jennifer Fraterrigo, Search Committee Chair at [jmf\\*@illinois.edu](mailto:jmf*@illinois.edu), or 217-333-9428.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of contingent offer.