Postdoctoral Scholar in Sustainable Water Engineering

College of Engineering and Physical Sciences (CEPS)
Department: Civil and Environmental Engineering

Description: The Department of Civil and Environmental Engineering seeks a Postdoctoral Scholar in the broad field of Sustainable Water Engineering that addresses traditional areas of engineered systems for drinking water, industrial process water, municipal and industrial wastewater, and water reuse. The scholar will collaborate with and be mentored by faculty in the ABET-accredited Environmental Engineering program to (1) pursue independent research in areas complimentary to the department, (2) develop/enhance skills in grant writing, teaching and learning, and research development, (3) build knowledge/appreciation for policy analysis and management, and (4) participate in department activities including governance and education.

We seek candidates who can enhance diversity and promote social equity, environmental justice and sustainability in our undergraduate and graduate programs through research and teaching, and can work in a team environment in one or more of the following emphasis areas: water systems including research related to legacy contaminants or contaminants of emerging concern, nutrient, and/or pathogen removal processes, use-inspired design, and development of treatment technologies or sensors for drinking water or industrial water; wastewater systems including research related to the processes, advanced technologies/sensors for the treatment, reuse, or recovery of water, nutrients, or energy resources from municipal or industrial wastewater.

Faculty within CEE work collaboratively with other UNH units in the areas of water, climate change, environmental genomics, and sustainability including: Earth Sciences, Ocean Engineering, Mechanical Engineering, Computer Science, Institute for the Study of Earth Oceans and Space, Natural Resources, Hubbard Center for Genomic Studies, Paul College, the Marine School, The Carsey School, and the NH EPSCoR Program. CEE faculty will serve as mentors for acquiring and managing funding through the NSF, EPA, DOE, NHDOT, NHDES, NHHHS, NOAA, and private foundations. The Postdoctoral Scholar would bring much needed skills relevant to current funding opportunities and find a rich research environment for her/his/their success by joining in these collaborations.

Additional professional development support will be provided in the form of participation in faculty development academies with other early career faculty, coaching by senior faculty colleagues, monthly cohort meetings, and support funds. Further college and university wide professional development workshops and academies, targeted to early career scientists and faculty, are also available.