Assistant Professor – Environmental Engineering - Atmosphere and Air Quality
Rutgers University–New Brunswick

The [Department of Environmental Sciences](#) (DES) at Rutgers, the State University of New Jersey, New Brunswick, NJ invites applications for a tenure-track Assistant Professor in environmental engineering working at the interface of atmospheric science, air quality, and sustainability, with a focus on local and regional air quality issues related to atmospheric conditions and climate change. The successful candidate is expected to (1) develop an innovative, vigorous, and externally-funded research program and (2) teach existing or new undergraduate or graduate courses in air quality modeling, air pollution control systems, instrumental methods and design, or other courses in our ABET-accredited Environmental Engineering program relevant to research interests. Rutgers-New Brunswick hosts one of the most diverse student bodies in the United States. Our institutional commitment to diversity, equity and inclusion (DEI), including our priority of diversifying our faculty ranks, is outlined in the Rutgers DEI strategic plan (https://diversity.rutgers.edu/university-plan).   We especially encourage applications from backgrounds underrepresented in environmental engineering including Black, Latinx, Indigenous, and LGBTQ+ scientists or engineers.

Qualifications: Candidates must have a B.S. in an engineering discipline and a Ph.D. in environmental engineering, civil engineering, chemical engineering, atmospheric chemistry, or related environmental/engineering disciplines and demonstrated ability to conduct research, to teach at the graduate and undergraduate levels, and to mentor students. Relevant research areas include, but are not limited to, design of novel air quality control techniques, air quality modeling and analysis, and sensor development and deployment. Candidates possessing or having the background necessary to obtain a Professional Engineering license are especially desired. Candidates should also have an interest in networking with professional societies and connecting students with professional networks.

About the Department and Rutgers New Brunswick: DES is the oldest environmental sciences department in the nation, with a history dating back over 100 years. In addition to its programs in Environmental Engineering, DES offers undergraduate and graduate programs in Environmental Science and Meteorology/Atmospheric Science.

Many DES faculty host interdisciplinary research programs and collaborate with faculty from other programs, departments, and units at Rutgers, including the Departments of Civil & Environmental Engineering, Chemical & Biochemical Engineering, and Marine and Coastal Sciences, the School of Public Health, the Institute of Earth, Ocean, and Atmospheric Sciences, the Rutgers Environmental and Occupational Health Sciences

Institute, the Rutgers Climate Institute, and the Rutgers Energy Institute, among others. DES also has a strong presence in extension through faculty involvement in the New Jersey Agricultural Experiment Station.

DES facilities include high performance computing and an array of state-of-the-art laboratory instrumentation. The Rutgers Photochemical Assessment Monitoring (PAM) Site supports continuous, real-time measurements for meteorological and air quality applications, and DES enjoys a strong working relationship with the New Jersey Department of Environmental Protection, including its Division of Air Quality.

A member of the Big Ten and the Association of American Universities, Rutgers-New Brunswick is America's eighth oldest institution of higher learning and New Jersey's premier flagship public research university. The city of New Brunswick is situated in the heart of America's vibrant and diverse northeast corridor, which runs from Boston to Washington, D.C. The Rutgers University system includes two other campuses in Newark and Camden as well as Rutgers Biomedical and Health Sciences.

Candidates should apply online (Posting Number 21FA1464 at https://jobs.rutgers.edu/postings/149094) with the following items:
• cover letter
• curriculum vitae
• statement of research interests
• statement of teaching philosophy/experience
• statement on DEI that outlines the candidate's past efforts and future commitment to DEI as a faculty member (see Rutgers diversity initiatives at https://diversity.rutgers.edu/).
• names and contact information for three references.

Review of applications will begin on January 15, 2022, with an intended position start date of September 1, 2022.

Questions may be directed to search@envsci.rutgers.edu.

Rutgers University is an Equal Opportunity/Affirmative Action Employer. Qualified applicants will be considered for employment regardless of race, creed, color, national origin, age, ancestry, nationality, marital or domestic partnership or civil union status, sex, pregnancy, gender identity or expression, disability status, liability for military service, protected veteran status, affectional or sexual orientation, genetic information, or any other category protected by law. As an institution, we value diversity of background and opinion, and prohibit discrimination or harassment on the basis of any legally

protected class in any terms and conditions of employment. For additional information please see the Non-Discrimination Statement at the following web address: http://uhr.rutgers.edu/non-discrimination-statement.