



Job Title: Post-doctoral Fellow  
Institution: Rowan University  
Position Start Date: As soon as possible  
Duration of the Position: One Year  
*The duration might be extended depending on performance and availability of funds.*

**Responsibilities of the postdoctoral fellow:**

The postdoctoral fellow will be responsible for leading the research activities on one or more funded projects under the supervision of Dr. Jagadish Torlapati. Specifically, they will be responsible for:

- Managing and executing day-to-day research activities. Providing regular updates to supervisors.
- Ensuring assigned research project(s) is(are) progressing according to schedule.
- Supervising graduate and undergraduate students working on assigned projects.
- Documenting and analyzing research results; preparing and making presentations to funding agencies; and writing papers for publication in refereed journals.
- Responding to Requests for Proposals (RFPs) and submitting successful and well-written proposals. Preparing quarterly progress reports and writing final project reports.

**Required Qualifications:**

- Ph.D. in Civil, or Chemical Engineering. A strong background in analytical chemistry and chromatographic techniques is required. Experience working with instruments such as GC-MS, GC-FID, LC-MS, and FTIR. Proficient in analytical method development and troubleshooting.
- OR
- Ph.D. in Civil, Chemical, or Mechanical Engineering. Strong background in computational fluid dynamics, fluid mechanics, and numerical methods. Proficiency in programming languages such as Python, MATLAB, or C/C++. Experience with commercial CFD software (ANSYS Fluent, COMSOL Multiphysics, etc.)
  - Must complete defense and obtain dissertation committee approval before joining.

If interested, please submit the following by email below:

1. Curriculum vitae and at least one publication in which you were the leading author.
2. Names and contact information of two references.

For further information, please contact:

Jagadish Torlapati, Ph.D.,

Email: [torlapati@rowan.edu](mailto:torlapati@rowan.edu), Phone: 856-256-5343

**College of Engineering**

Civil and Environmental Engineering

Rowan University

201 Mullica Hill Road

Glassboro, NJ 08028-1701

856-256-5320

856-256-5242 (fax)