



Materials Science with Focus on Biological or Energy Engineering

The Otto H. York Department of Chemical, Biological and Pharmaceutical Engineering at New Jersey Institute of Technology invites applications for 2 **tenure-track** faculty positions at the **Assistant Professor** level with an expected starting date in **Fall 2016**. We are seeking highly qualified candidates with a Ph.D. degree in Chemical Engineering or a closely related field, and a record of outstanding research accomplishments, as well as a commitment to teaching excellence. The ideal candidate should possess a strong background in in the broad area of **Materials Science** with focus on biological or energy-related engineering. Outstanding candidates with research focused on **development and characterization of new materials for bio** (synthetic biology, precision medicine, metabolic engineering), **energy** (renewable or conventional energy, solar, storage, sustainability) **and water** (reclamation, desalination and remediation, water-energy nexus) **related applications** are encouraged to apply. Preference will be given to candidates whose research complements one or more of the current focus areas of the department: *Catalysis and Reaction Engineering (Energy and Green Chemistry)*, *Energetics (Fuels and Reactive Materials)*, *Engineered Particulates (Nanotechnology, Energy and Pharmaceuticals)*, *Membrane Processes (Water Treatment, Pharmaceutical and Biotechnology)*, *Micro-Scale Electro-Hydrodynamics and Optics (Novel Sensors and Devices)*, *Synthetic Biology (BioMEMs, Drug Delivery and Single Cell Analysis)*. Successful candidates are expected to develop an internationally recognized independent research program while contributing to collaborative efforts and to teach Chemical Engineering courses at both the undergraduate and graduate level.

NJIT offers competitive startup packages, exciting opportunities for research collaboration, and a supportive environment for new faculty. Furthermore, numerous interdisciplinary centers and institutes across the campus (<http://centers.njit.edu/>) offer access to comprehensive, state-of-the-art core facilities.

New Jersey Institute of Technology is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply. The Department is interested in candidates that will contribute to diversity and equal opportunity in higher education through their teaching, research, and service. Protected veterans and individuals with disabilities are encouraged to apply. Interested applicants should submit their Curriculum vitae, statement of research, teaching goals and names with contact information of at least three references. To be considered, all applications must be submitted on- line at <https://njit.jobs>. The posting #'s are 0603015 and 0603016.

Questions may be directed to Prof. Rajesh Davé: dave@njit.edu