Department of Chemistry

TENNESSEE TECH

The Department of Chemistry at Tennessee Tech University is currently seeking applicants for the position of **Postdoctoral Research Associate** in the laboratory of Prof. Jesse D. Carrick. The successful applicant will work on a multidisciplinary project at the interface of separation science, and analytical, organic, and computational chemistry towards the development of heteroaryl Lewis basic complexants for selective minor actinide separations from used nuclear fuel.

A Ph.D. in radiochemistry, analytical, inorganic, or organic chemistry with extensive expertise using several of the following instruments: Gamma, UV-Visible, ICP-OES, NIR, and NMR spectroscopy, HPLC, fluorescence, and single-crystal X-ray diffraction for study, analysis, and quantification of metal:ligand complexes of the actinides and lanthanides.
The ability to effectively document results and manage workflow while maintaining a professional, clean, and safe working environment at all times is required. The desire to mentor M.S. and undergraduate trainees and professionally interact with a multidisciplinary team while maintaining a positive attitude is required. The ability to effectively present oral and written research results to a multidisciplinary team is also required.
The university recently completed a 150,000 ft2 interdisciplinary laboratory science building in 2021 which currently houses the department of chemistry and includes laboratory, instrumentation, and office space. The department has existing major research instrumentation that will support the project. More information can be found at: **Chemistry (tntech.edu)**

This position is full benefits eligible, with the exception of tuition assistance, and includes health insurance, retirement, and 401(k). Salary is competitive and commensurate with experience.

The initial appointment will be for one year with a preferred **start date on, or before August 5, 2024**. Renewal of the position for subsequent years is possible, contingent upon satisfactory performance, and availability of funds.

TN Tech University is a comprehensive institution of higher education with particular strengths in science and engineering situated in the beautiful Upper Cumberland region of Tennessee in between Nashville and Knoxville. A low cost of living, no state income tax, and numerous outdoor activities within a short driving distance contribute to a high quality of life in this growing area. The department confers an ACS-certified B.S. and M.S. in chemistry and participates in the interdisciplinary Ph.D. program in Environmental Sciences. A detailed description of the department of chemistry, the Environmental Science Ph.D. Program and the university is available at: **Chemistry (tntech.edu)**
To ensure full consideration, all application materials should be received by **June 3, 2024**. All applicants must apply online at ***https://jobs.tntech.edu/***and electronically upload all required materials. A completed application will consist of an online application, a letter of interest summarizing the applicant's expertise, accomplishments, and professional goals, a curriculum vitae including all academic and professional positions, publications, and presentations, a research summary (5 pgs. max), copies of graduate and undergraduate transcripts from all institutions for which a degree was conferred-official copies will be required upon hire, as well as the email addresses and contact information of a minimum of three professional references-with one reference required from the applicant's Ph.D. advisor.

Tennessee Tech is an Equal Opportunity/Affirmative Action employer.