

Postdoctoral Position in Organic Contaminants and Low-Temperature Geochemistry

The Department of Earth and planetary Sciences at University of Texas at San Antonio invites applications for a post-doctoral position for up to three years (or less) beginning in **February 2023**.

We seek an enthusiastic and versatile scientist in the fields of geosciences, earth sciences, environmental engineering or chemistry, who will contribute to our growing research in the broad area of detection and characterization of organic contaminants in environmental matrices. It is expected that the successful candidate for this position will contribute to new and exciting research avenues that complement existing research efforts, participate in the development of a vigorous, externally funded research program in support of those activities and publish results in peer-reviewed journals.

The successful applicant will ideally carry out research in the broad area of contaminant hydrology and low-temperature geochemistry focusing on occurrence, fate and transport of organic contaminants in soils, sediments, and water. Knowledge and experience with advanced instrumentation including (but not limited to) GC-MS, HPLC, LC-MS, FTIR, ICP-MS is highly desirable. Familiarity with sample processing methods, analytical method development, quality control, following established protocols is also desirable. Selected candidate will be expected to conduct research on the detection, quantification and characterization of anthropogenic organic compounds (including regulated and contaminants of emerging concerns) to understand their chemical behavior, fate, transport, transformation, adverse effects on environmental and human health, studying transformation of organic compounds such as VOCs, PFAs, pesticides, and other persistent organic pollutants. The research activities include (but not limited to) controlled laboratory experiments, field investigation, data analyses, and writing peer-reviewed journal articles.

Along with postdoctoral research, engagement in graduate and undergraduate mentoring and instruction may also be possible. Selected candidate will work under the supervision of Dr. Saugata Datta and collaborate with other faculty across the university.

Minimum Qualifications

- Applicants must possess a doctorate in Geology / Environmental Engineering / Earth Science / Environmental Chemistry or related field from an accredited university by **December 2022**
- Excellent verbal and written communication skills
- Proven record of publications in peer-reviewed journals in one or more of the areas mentioned above

Desirable Qualifications

- Prior experience with advanced instrumentation used for identification and characterization of organic compounds.
- Laboratory or field expertise relevant to the area of his/her research focus
- Understanding of current environmental regulations

Application Information

Review of applications will begin **30th January** and continue until the position is filled. Applicants must submit: (1) a letter of application that describes qualifications and background, (2) statements outlining research plans; (3) a curriculum vita, and (4) arrange for three [3] names of references. Applications materials and Questions regarding this position should be directed to, Dr. Saugata Datta (saugata.datta@utsa.edu) with whom the postdoctoral research will be conducted. Full consideration will be given to applications received by 28 January 2023; however, the positions will remain open until filled. Additional information about the Department may be found at <https://www.utsa.edu/sciences/earth-planetary-sciences/>. Salary will be commensurate with qualifications and experience. Any prior (prior to placing an application) or more detailed information about the research could be obtained via writing to Dr Saugata Datta at saugata.datta@utsa.edu.

UTSA/San Antonio

UTSA is one of the largest public universities in south Texas serving more than 32,000 students with two campuses, a main campus and a downtown campus. Nearby higher education and research institutions include the UT Health Science Center and the Southwest Research Institute. The city of San Antonio, the seventh largest city in the United States, blends cosmopolitan progress with a rich sense of history and tradition, and is the home of the South Texas Geological Society, Edwards Aquifer Authority with members from a range of regulatory agencies, environmental and geotechnical consulting companies, and independent petroleum exploration companies.

As an equal employment opportunity and affirmative action employer, it is the policy of The University of Texas at San Antonio to promote and ensure equal employment opportunity for all individuals regardless of race, color, religion, sex, gender identity, sexual orientation, national origin, age, disability or genetic information, and veteran status. The University is committed to the Affirmative Action Program in compliance with all government requirements to ensure nondiscrimination. Women, minorities, people with disabilities and veterans are encouraged to apply. UTSA campuses are accessible to persons with disabilities.