

EARTH AND ATMOSPHERIC SCIENCES

Faculty Position - All Ranks - Organic Geochemistry - Tenured or Tenure-Track

Description:

The Department of Earth and Atmospheric Sciences at the University of Houston invites applicants for a tenure track faculty position at the Assistant to Full Professor level in the broad field of organic geochemistry.

Applicants should have experience in the application of chemical principles to the study of the origin, migration, accumulation, and alteration of hydrocarbons and organic contaminants using a range of petroleum geochemical techniques, such as stable isotope geochemistry, hydrocarbon analysis of organic compounds and biomarkers with GC and GC-MS, vitrinite reflectance or other maturity indicators, laboratory pyrolysis, and/or kerogen typing.

The successful candidate will also enjoy access to new major and sophisticated organic geochemical research equipment being delivered in the Fall of 2012 to the Department, including an Agilent GC-QQQ 7000, an Agilent GC-Q-TOF 7200, an Agilent GC-MS 5975, an Agilent GC 7890, a Finigan Delta 5 Gas Stable Isotope Mass Spectrometer coupled with a GC-C-IRMS, and a Rock Eval VI Pyrolysis Instrument. Research analytical expertise in these instruments and/or experience in related environmental organic fluid and rock geochemistry, especially aligned with studies of water quality, identifying natural water and rock contaminants and toxicity levels, carrying out epidemiologic environmental forensics studies, environmental remediation monitoring, and/or ground water quality studies in gas and oil shale fracking regions, is considered advantageous to the broad areas of research in the Department.

Candidates are sought who have the ability to conduct transformational research in their discipline and who have a demonstrated record of exceptional research productivity and peer-reviewed publication, a strong potential for external research funding, a strong national or international reputation in their field of interest, and outstanding teaching and mentoring

skills. Successful candidates will be expected to teach at both the undergraduate and graduate levels.

Application Procedures:

Candidates for the position should submit: 1) a letter of application Including statements of teaching and research interests, 2) a curriculum vitae, and 3) three letters of references (letters must be received before the applications will be considered) to:

Dr. Janok Bhattacharya, Chair,
Department of Earth and Atmospheric Sciences
College of Natural Sciences and Mathematics
Room 312 Science Research 1
University of Houston
4800 Calhoun Rd.
Houston, Texas 77204-5007.

Signed reference letters may be submitted by referees as attached files via email to Penny Maher plmaher@uh.edu.

Further information can be obtained by viewing the departmental web page at <http://www.geosc.uh.edu/> or by calling the Department at (713) 743-3399.

Candidate evaluation will begin January 20, 2013 and continue until the position is filled. We expect to fill the position by August, 2013.

Equal Opportunity / Affirmative Action:

The University of Houston is an Equal Opportunity/Affirmative Action employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply.