

SAUGATA DATTA, Ph.D.

One UTSA Circle, Department of Earth and Planetary Sciences, FLN 4.02.08, San Antonio, TX, 78249

EDUCATION

2001 Ph.D. in Earth Sciences, University of Western Ontario, London, Ontario, Canada
1996 M.S. in Geological Sciences and Geological Engineering, Queens University, Ontario, Canada
1995 M.S. in Geology, University of Calcutta, India
1993 B.S. in Geological Sciences, Presidency College, Calcutta, India

EMPLOYMENT / APPOINTMENTS

2022-Present, Chair, Earth and Planetary Sciences, University of Texas at San Antonio
2021-2022 Interim Chair, EPS, University of Texas at San Antonio
2020-present, Director, Institute of Water Research, Sustainability and Policy, UTSA
2019-present, Hammond Distinguished Professor, Earth and Planetary Sciences, UTSA
2017-2018, Halbouty Visiting Chair Professor, Geology and Geophysics, Texas A&M University
2009-2019, Assistant-Full Professor, Geology, Kansas State University, Manhattan, Kansas
2004-2008, Assistant Professor, Biology and Environmental Sciences, Georgia College and State U
2005-2006, Associate Professor / Reader, Geology, University of Calcutta, India
2001-2004, Columbia Earth Institute Research Scientist and Mellon Scholar, Columbia University

HONORS AND AWARDS

GSA Fellow (2022); GSA GHD Meritorious Service Award (2022); Faculty Research Award (2006, Georgia College and State University), Asiatic Society of India Medal (2006), Award for Excellence in Teaching (2000, UWO), Robert and Ruth Lumsden Fellowship in Science (2000, UWO), Arcangelo Rea Family Foundation Graduate Scholarship (1998, UWO), International Graduate Student Scholarship (1997, UWO), Queen's Graduate Award (1996, Queen's University), First Class First Award (1996, U Calcutta), N.N. Chatterjee Memorial Grant (1995, U Calcutta).

RESEARCH AND ADVISING

Competitive research grants >\$5.45M(NSF, NASA, DOE, BLM, NPS, USDA), 52 peer-reviewed publications with 4,525 total citations (h-index 35), 48 invited presentations at various institutions in US, Mexico, Central America, India, and Europe, ~271 conference poster and/or presentations (~66 at GSA), 1 Theme (Goldschmidt) and 35+ sessions convened (16+ at GSA, 3 at AGU, 3 at As Congress, 6+ at Goldschmidt, and 2 others), 29 national and television media science dispositions at outreach activities. Supervised 6 postdocs, 5 PhD, 25 MS, 24 undergraduate students' mentor, and served on ~45 MS and PhD committees.

SELECT PUBLICATIONS (of more than 65)

1. Varner, T.S., Kulkarni, H.V., Kwak, K., Cardenas, M.B., Knappett, P.S.K., Datta, S. (2024) Diverse sedimentary organic matter within the river-aquifer interface drives arsenic mobility along the Meghna River Corridor in Bangladesh. *Applied Geochemistry*, 105883
2. Kulkarni, H.V., Ford, J., Blank, J.G., Park, M., Datta, S. (2022) Geochemical interactions among water, minerals, microbes and organic matter in formation of speleothems in volcanic (lava tube) caves. *Chemical Geology*. Volume 594, 5 April 2022, 120759
3. Phillips-Lander, C.M., Agha-Mohammadi, A., Wynne, J.J., Titus, T.N., Chanover, N., Demirel-Floyd, C., Uckert, K., Williams, K., Wyrick, D., Blank, J. and Boston, P., 2021. Mars astrobiological cave and internal habitability explorer (MACIE): A new frontiers mission concept. *arXiv preprint arXiv:2105.05281*.
4. Léveillé and Datta (2010). Lava tubes and basaltic caves as astrobiological targets on Earth and Mars: a review. *Planetary and Space Science*, 58(4), pp.592-598.
5. Datta, S. et al. (2011). Perennial ponds are not an important source of water or dissolved organic matter to groundwaters with high arsenic concentrations in West Bengal, India. *Geophysical Research Letters*, 38(20).
6. Datta, S. et al. (2009). Redox trapping of arsenic during groundwater discharge in sediments from the Meghna riverbank in Bangladesh. *Proceedings of the National Academy of Sciences*, 106(40), pp.16930-16935.

LINKS

- Lab Website: <https://www.utsa.edu/sciences/labs/SaugataDatta/>
- IWRSP Website: <https://www.utsa.edu/iwrsp/>
- Google Scholar: <https://scholar.google.com/citations?user=3b8Mk8EAAAAJ&hl=en>
- ResearchGate: <https://www.researchgate.net/profile/Saugata-Datta>
- LinkedIn: <https://www.linkedin.com/in/saugata-datta-701b71181/>