

Stanford



Aman Raizada

Ph.D. Student in Energy Resources Engineering, admitted Autumn 2021

Bio

HONORS AND AWARDS

- Chancellor's Graduate Student Award, University of Wisconsin-Milwaukee (2021)
- Council of Scientific & Industrial Research Foundation Day scholarship, Ministry of Science & Technology, Govt. of India (2012-2016)

EDUCATION AND CERTIFICATIONS

- M.S., University of Wisconsin-Milwaukee, Mechanical Engineering (2021)
- M.Tech., Indian Institute of Technology (BHU), Varanasi, Mechanical Engineering (2016)
- B.Tech., Indian Institute of Technology (BHU), Varanasi, Mechanical Engineering (2016)

LINKS

- Google Scholar - Aman Raizada: <https://scholar.google.com/citations?user=LR4wP1YAAAAJ&hl=en>
- LinkedIn: <https://www.linkedin.com/in/amanraizada/>

Research & Scholarship

LAB AFFILIATIONS

- Sally Benson, Benson Lab (9/20/2021)
- Hamdi Tchelepi, SUPRI-B: Reservoir Simulation (9/20/2021)

Publications

PUBLICATIONS

- **Modeling Transport and Adsorption of Arsenic Ions in Iron-Oxide Laden Porous Media. Part II: Numerical Validation** *Journal of Porous Media*
Raizada, A., et al
2026
- **Dynamic Mode Decomposition of 4D imaging data to explore intermittent fluid connectivity in subsurface flows** *ADVANCES IN WATER RESOURCES*
Raizada, A., Berg, S., Benson, S. M., Tchelepi, H. A., Spurin, C.
2025; 203
- **A Validation of Whitaker's Closure Formulation Based Method for Estimating Flow Permeability in Anisotropic Porous Media** *Composites Part A: Applied Science and Manufacturing*
Raizada, A., Pillai, K. M., Ghosh, P.
2022

- **Modeling Transport and Adsorption of Arsenic Ions in Iron-Oxide Laden Porous Media. Part I: Theoretical Developments** *WATER*
Pillai, K., Raizada, A.
2021; 13 (6)
- **Theoretical and Computational Modeling of Contaminant Removal in Porous Water Filters**
Raizada, A.
The University of Wisconsin-Milwaukee.
2021
- **Erratum to “Measurement of Principal Permeability With the Channel Flow Experiment”** *Polymer COMPOSITES*
Raizada, A., Pillai, K. M.
2021