Stanford

Neha Sharma

Postdoctoral Scholar, Photon Science, SLAC

Curriculum Vitae available Online

Bio

STANFORD ADVISORS

- Johanna Weker, Postdoctoral Research Mentor
- Piero Pianetta, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Long-Term Robustness and Failure Mechanisms of Electrochemical Stripping for Wastewater Ammonia Recovery.** *ACS environmental Au*
  Kogler, A., Sharma, N., Tiburcio, D., Gong, M., Miller, D. M., Williams, K. S., Chen, X., Tarpeh, W. A.
  2024; 4 (2): 89-105
- **Ligand Exchange Adsorbents for Selective Phosphate and Total Ammonia Nitrogen Recovery from Wastewaters** *ACCOUNTS OF MATERIALS RESEARCH*
  Clark, B., Sharma, N., Apraku, E., Dong, H., Tarpeh, W. A.
  2024
- **Long-Term Robustness and Failure Mechanisms of Electrochemical Stripping for Wastewater Ammonia Recovery** *ACS ENVIRONMENTAL AU*
  Kogler, A., Sharma, N., Tiburcio, D., Gong, M., Miller, D. M., Williams, K. S., Chen, X., Tarpeh, W. A.
  2024
- **Exchange between Dissolved U(VI) and Adsorbed and Precipitated Forms of Solid-Associated U** *ACS EARTH AND SPACE CHEMISTRY*
  Satpathy, A., Sharma, N., Pan, W., Catalano, J. G., Giammar, D. E.
  2023
- **Solid-Water Partitioning and Speciation of Trace Metal Micronutrients in Wetland Soils and Stream Sediments** *ACS EARTH AND SPACE CHEMISTRY*
  Sharma, N., Yan, J., Flynn, E. D., Catalano, J. G., Giammar, D. E.
  2023
- **Copper availability governs nitrous oxide accumulation in wetland soils and stream sediments** *GEOCHIMICA ET COSMOCHIMICA ACTA*
  Sharma, N., Flynn, E. D., Catalano, J. G., Giammar, D. E.
  2022; 327: 96-115
- **Dynamic Responses of Trace Metal Bioaccessibility to Fluctuating Redox Conditions in Wetland Soils and Stream Sediments** *ACS EARTH AND SPACE CHEMISTRY*
  Sharma, N., Wang, Z., Catalano, J. G., Giammar, D. E.
  2022; 6 (5): 1331-1344
- **Impact of dissolved oxygen and pH on the removal of selenium from water by iron electrocoagulation** *WATER RESEARCH*
  Bae, Y., Crompton, N. M., Sharma, N., Yuan, Y., Catalano, J. G., Giammar, D. E.
  2022; 213: 118159
- **Metal-Catalyzed Hydrolysis of RNA in Aqueous Environments** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*

Chatterjee, A., Zhang, K., Rao, Y., Sharma, N., Giammar, D. E., Parker, K. M.
2022; 56 (6): 3564-3574

- **Consistent controls on trace metal micronutrient speciation in wetland soils and stream sediments** *GEOCHIMICA ET COSMOCHIMICA ACTA*
  Yan, J., Sharma, N., Flynn, E. D., Giammar, D. E., Schwartz, G. E., Brooks, S. C., Weisenhorn, P., Kemner, K. M., O'Loughlin, E. J., Kaplan, D., Catalano, J. G.
  2022; 317: 234-254

- **Role of precursors in the formation of trihalomethanes during chlorination of drinking water and wastewater effluents from a metropolitan region in western India** *JOURNAL OF WATER PROCESS ENGINEERING*
  Sharma, N., Mohapatra, S., Padhye, L. P., Mukherji, S.
  2021; 40

- **Seasonal variation in fluorescence characteristics of dissolved organic matter in wastewater and identification of proteins through HRLC-MS/MS** *JOURNAL OF HAZARDOUS MATERIALS*
  Mohapatra, S., Sharma, N., Mohapatra, G., Padhye, L. P., Mukherji, S.
  2021; 413: 125453

- **Modeling performance of rhamnolipid-coated engineered magnetite nanoparticles for U(vi) sorption and separation** *ENVIRONMENTAL SCIENCE-NANO*
  Sharma, N., Ghosh, A., Fortner, J. D., Giammar, D. E.
  2020; 7 (7): 2010-2020