

# Two-Dimensional Mapping of Arsenic Concentration and Speciation with Diffusive Equilibrium in Thin-Film Gels

Environmental Science and Technology, 57(21): 8107–8117, 2023 (Impact Factor 11,4)

Andrea Castillejos Sepúlveda,<sup>†</sup> Edouard Metzger,<sup>‡</sup> Sten Littmann,<sup>§</sup> Heidi Taubner,<sup>||</sup> Arjun Chennu,<sup>⊥</sup> Lais Gatti,<sup>†</sup> Dirk de Beer,<sup>†</sup> and Judith M. Klatt <sup>†</sup>✉

<sup>†</sup>Microsensor Group, Max Planck Institute for Marine Microbiology

<sup>‡</sup>Laboratoire de Planétologie et Géosciences

<sup>||</sup>MARUM Center for Marine Environmental Science and Faculty of Geosciences, Organic Geochemistry Group, University of Bremen

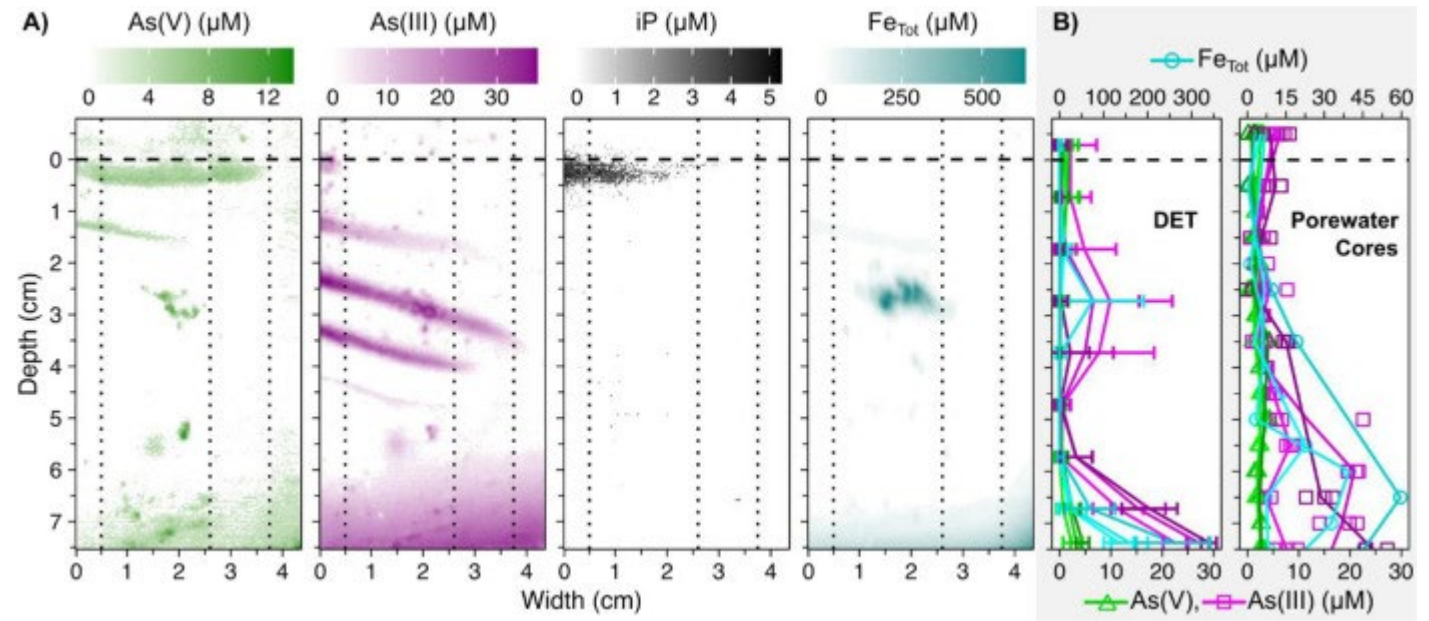
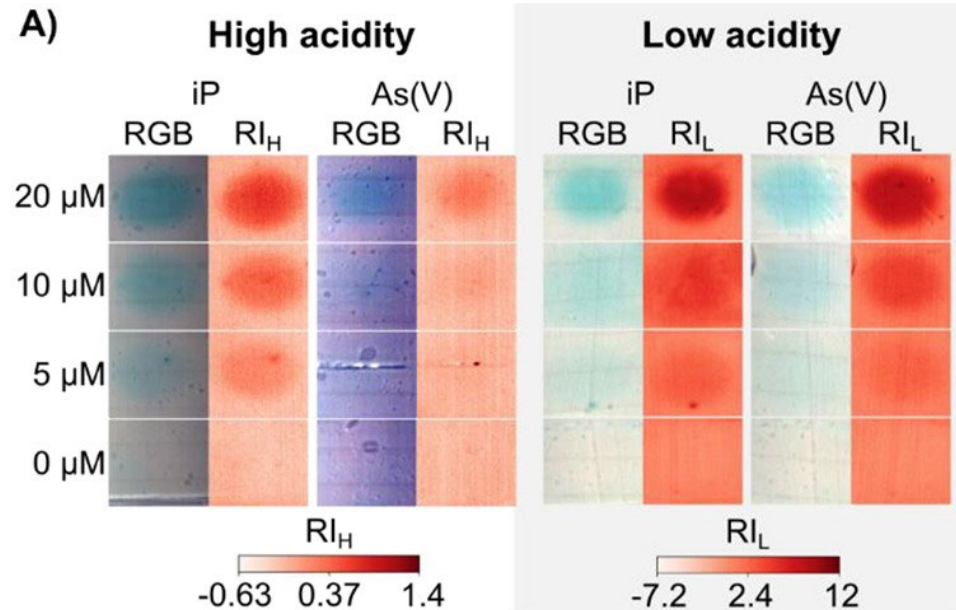
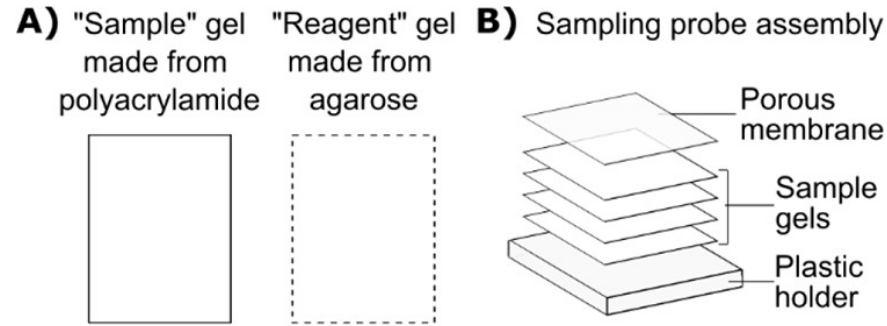
<sup>§</sup>Biogeochemistry Group, Max Planck Institute for Marine Microbiology

<sup>⊥</sup>Data Science and Technology, Leibniz Centre for Tropical Marine Research

<sup>#</sup>Microcosm Earth Center, Max Planck Institute for Terrestrial Microbiology and Philipps-Universität Marburg

<sup>∇</sup>Center for Synthetic Microbiology (SYNMIKRO), Marburg 35032, Germany

<sup>o</sup>Biogeochemistry Group, Department of Chemistry, Philipps-Universität Marburg



natural soil from the Bossegraben brook in the Harz mountains, Germany

