

Min Sub Sim

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Dr. Min Sub Sim completed his Ph.D. in the Department of Earth, Atmospheric and Planetary Sciences at Massachusetts Institute of Technology in June 2012, and worked as an Agouron Postdoctoral Fellow at Northwestern University and California Institute of Technology. Since September 2016, he holds an assistant professor position in the School of Earth and Environmental Sciences at Seoul National University. His research focus lies at the intersection between microbiology and geology. In particular, he is interested in utilizing the geochemical fingerprints of microbial processes, in the form of strongly fractionated sulfur isotopic compositions, to reconstruct the interplay between Earth and microbes over geologic time. He has carried out laboratory experiments to isolate specific phenomena of interest and inspect them in detail, and also done fieldwork to examine hypotheses in a real-world setting. He published his research in prestigious peer-reviewed journals, including *Science*, *Earth and Planetary Science Letters*, and *Geochimica et Cosmochimica Acta*, and also participated actively in various scientific events as a member of committees, invited speakers or session chair. Some of his ongoing projects include measurements of the kinetic isotope effects imparted by environmentally-relevant enzymes, isotopic constraints on the sulfur cycling in hydrothermal vent systems, and links between ocean chemistry and the microbialite decline during the early Paleozoic.