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Himanshu Mishra is an Assistant Professor of Environmental Science and Engineering and a principal investigator at the Water Desalination and Reuse Center at KAUST.

After receiving his PhD at California Institute of Technology in 2013, and pursuing a postdoctoral fellowship at the University of California Santa Barbara, he started his independent Group at KAUST in 2014.

During the course of last four years, Mishra has set up an experimental surface science laboratory to investigate physical and chemical phenomena at interfaces of water with materials/media that *repel* it - hydrophobes, e.g., air, hydrocarbons, and perfluorocarbons. Specifically, Mishra's Team is exploring strategies that natural systems have evolved to repel water, and translating those insights into technologies towards strengthening the global water-food-energy nexus.

He has seven patents (issued or pending), and articles based on his research have appeared in *Nature Communications*, *Advanced Materials*, ACS journals, *JCIS*, and *PNAS*.