

On 7 July 2022 @ 4 pm IST

by

Dr. Virginia Rich, Associate Professor,
Microbiology Department, The Ohio State University



Scientists Warning To Humanity: Microorganisms And Climate Change



Microorganisms contribute to the trajectory of human-induced climate change, in some cases accelerating it and in others dampening it. Microbes are important producers and consumers of greenhouse gases, and are themselves changing rapidly in response to climate change. Accurate projection of climate trajectories this century thus requires better understanding of these biotic feedbacks. Microbes are also powerful potential allies in mitigating the extent and impact of climate change, with opportunities for innovation and economic growth. This talk will review our recent “Scientists’ warning” article on microorganisms roles’ in climate change trajectory and humanity’s potential responses, and will dig deeper into several examples, from the Arctic to Sub-Saharan Africa.