

The Oceans Represent a Vast Reservoir of Unexplored Genetic Diversity

Curtis Suttle

Departments of Earth & Ocean Sciences, Microbiology & Immunology, and Botany
University of British Columbia

The oceans are major drivers of global biogeochemical cycles. For example, the oceans produce and consume about half of the oxygen on the Earth. These biogeochemical processes are almost entirely driven by microbes. By weight, the unicellular microorganisms comprise >95% of the living material in the ocean. If viruses are also included,