

Download Microbial Diversity And Functions

Microbial diversity in the environment is mainly concealed within the rare biosphere (all species with $<0.1\%$ relative abundance). While dormancy explains a low-abundance state very well, the mechanisms leading to rare but active microorganisms remain elusive. Biodiversity is not evenly distributed, rather it varies greatly across the globe as well as within regions. Among other factors, the diversity of all living things depends on temperature, precipitation, altitude, soils, geography and the presence of other species. Gut flora, or gut microbiota, or gastrointestinal microbiota, is the complex community of microorganisms that live in the digestive tracts of humans and other animals, including insects. The Microbial World. II. Origins and Diversity. Here we consider microorganisms in geological time - how they evolved and diversified, and how they created the world that we know today.