



Environmental Microbiology: From Genomes to Biogeochemistry

By Madsen, Eugene L.

Wiley-Blackwell, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword 1. Significance, History, and Challenges of Environmental Microbiology 1.1 Core concepts can unify Environmental Microbiology 1.2 Synopsis of the significance of Environmental Microbiology 1.3 A brief history of Environmental Microbiology 1.4 Complexity of our world 1.5 Many disciplines and their integration 2. Formation of the Biosphere: Key Biogeochemical and Evolutionary Events 2.1 Issues and methods in Earth History and evolution 2.2 Formation of early planet Earth 2.3 Did life reach Earth from Mars? 2.4 Plausible Stages in the development of early life 2.5 Mineral surfaces: the early iron-sulfur world can drive biosynthesis 2.6 Encapsulation: a key to cellular life 2.7 A plausible definition of the tree of life 's "last universal common ancestor " 2.8 The rise of oxygen 2.9 Evidence for oxygen and cellular life in the sedimentary record 2.10 The evolution of oxygenic photosynthesis 2.11 The consequences of oxygenic photosynthesis: molecular oxygen in the atmosphere and large pools of organic carbon 2.12 Eukaryotic evolution: endosymbiotic theory and the blending of traits from Archaea and Bacteria 3. Physiological Ecology: Resource Exploitation by Microorganisms 3.1 The cause of physiological diversity: diverse habitats provide...



READ ONLINE
[5.77 MB]

Reviews

Good eBook and helpful one. It really is written in straightforward words and phrases and never confusing. I am just effortlessly could possibly get a enjoyment of looking at a published book.

-- **Romaine Rippin**

The book is great and fantastic. it absolutely was written very properly and beneficial. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Lyda Davis II**