Richly illustrated with black-and-white photographs and drawings, and complemented with a comprehensive list of additional reading for each chapter, this important new edition provides readers with current information in the fields of marine microbiology and microbial ecology.

This book fills a void in the rapidly growing fields of marine microbiology, microbial ecology, and microbial oceanography. In addition to drawing on the long history of microbiology, the contributors also include discussions of the latest advances in biological and chemical oceanography to examine the role of microbes and viruses in the oceans.

It is designed for students and researchers in biological and chemical oceanography, geochemistry, marine chemistry, freshwater ecology, and general microbiology. It is also appropriate for professionals and advanced students in related fields.

Issues covered include: