

Microbiology of the Everglades Ecosystem is the first synthesis of current research regarding Everglades microbial community structure and function. Microorganisms are essential to nearly all processes in the Everglades and other wetland ecosystems, including nutrient cycling and nutrient availability, water quality, organic soil formation and mineralization. The book provides an understanding of the physical and chemical factors affecting the structure of microbial communities, including nutrient effects, sea level rise, and other potential stressors. The book integrates traditional research on algal and bacterial structure and function, helping to provide a more holistic understanding of the varying microbial communities throughout the Everglades. From periphyton, to soils and detritus, to flocculent organic matter, Microbiology of the Everglades Ecosystem covers new and emerging methods and their global application.

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