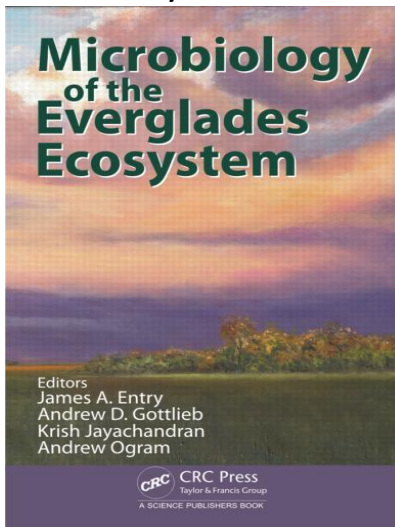


Microbiology of the Everglades Ecosystem Edited by James A. Entry,  
Andrew D. Gottlieb, Krish Jayachandran, and Andrew Ogram



This book is intended to provide the reader with the latest information on microbiology in the Everglades ecosystem. 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 first synthesis of current research regarding Everglades microbial community structure and function, this 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.

### Features

- Provides the first synthesis of Everglades microbiology research
- Characterizes the functional role microbial communities play in the Everglades and other wetland systems
- Integrates applied research on bacterial and algal community structure and function in wetlands
- Presents globally relevant information on impaired water quality, decreased freshwater availability, increasing salinity are nearly ubiquitous stressors effecting natural systems

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