



***Microbiology and Biogeochemistry
of Hypersaline Environments***

details the biology and biogeochemistry of various halophilic microorganisms that live in high density saline environments worldwide. Topics include the biochemistry, genetics, and molecular biology of these organisms; new methods to type them; and osmotic adaptation.

FEATURES

- Elucidates community structure, *in situ* activities, and the role of halophilic microorganisms in the biogeochemical cycles of carbon, nitrogen, and sulfur
- Supplies information on mechanisms that enable these microorganisms to withstand the osmotic stress of their environment
- Offers new findings on how these organisms function at high salt concentrations, based on recent development of genetic systems for halophilic microorganisms

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