

A REVIEW OF TECHNOLOGIES TO KEEP AN EYE ON HALOBACTERIA AND ITS RESEARCH APPLICATIONS

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ABSTRACT

Halobacterium salinarum: Once an invasive species arrives, it's impossible to get rid of it. Life is endemic throughout the earth. Certain organisms live in harsh conditions including ocean trenches and deserts, devoid of most other life known as Extremophiles, these organisms include Bacteria and Archaea organisms which have been adapted to that environment. One notable group of Extremophiles is Halobacteria. Halobacteria are microorganisms that survive in high salt concentrations and are known to reside naturally in habitats such as salt bodies. Even though the name includes Bacteria, they are members of Archaea domain. [3]

KEYWORDS: *Halobacterium Salinarum*, Unicellular Organism, Production of Bacteriorhodopsin