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Biosorption for Desalination: A Short Review

Rakesh Namdeti^{*}, Saikat Banerjee

Chemical Engineering, UTAS-Salalah, Salalah, Sultanate of Oman

Abstract : Background: The need of fresh and potable water is increasing day by day as the population is growing in an exponential way throughout the globe. As the saline water is more in seas and oceans, the need of desalination is more at present to get the fresh water. **Methods**: Different innovations have been utilized to desalinate saline water with diverse execution characteristics. This review article traces the advancement of current desalination processes and compares their execution in terms of input and yield of freshwater purity, energy requirement, impact on environmental conditions and economy. **Findings**: It was found that biosorption desalination innovation could be a promising strategy for desalinating seawater due to its low cost and less impact on environmental conditions as it uses the waste biological materials.

Keywords : Desalination, Adsorption, Reverse Osmosis, Chemical Precipitation, Bio sorbent.

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