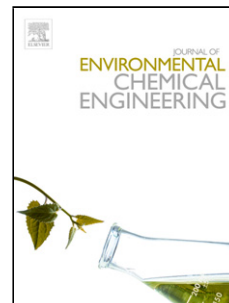


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Authors: V.R.V. Ashwaniy, M. Perumalsamy



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# Reduction of organic compounds in Petro-Chemical Industry Effluent and Desalination using *Scenedesmus abundans* algal Microbial Desalination Cell

V.R.V.Ashwaniy<sup>1</sup>, Dr.M.Perumalsamy<sup>2\*</sup>

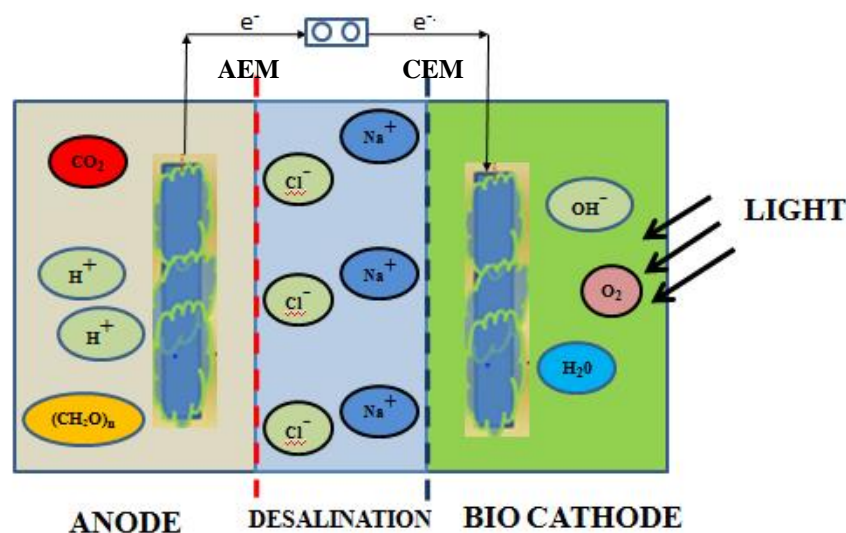
<sup>1</sup>Research Scholar, Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, TamilNadu, India

<sup>2</sup> Assistant Professor, Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, TamilNadu, India

## HIGHLIGHTS

- New strain of microalgae *Scenedesmus abundans* is used as bio-cathode in MDC.
- MDC with higher salt concentration showed higher removal efficiency.
- The  $P_{\max}$  of 0.427 watt and closed voltage of 654 mv was achieved in MDC with high salt concentration (35 g NaCl L<sup>-1</sup>).

Graphical abstract



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