

Accepted Manuscript

Title: Novel Technological Solutions for Eco–Protective Water Supply by Economical and Sustainable Seawater Desalination

Authors: Duygu Topaloglu, Yasemin Melek Tilki, Seyda Aksu, Tugba Nur Yilmaz, Emin Ender Celebi, Salim Oncel, Coskun Aydiner



PII: S0263-8762(18)30196-5
DOI: <https://doi.org/10.1016/j.cherd.2018.04.022>
Reference: CHERD 3139

To appear in:

Received date: 19-10-2017
Revised date: 12-4-2018
Accepted date: 12-4-2018

Please cite this article as: Topaloglu, Duygu, Tilki, Yasemin Melek, Aksu, Seyda, Yilmaz, Tugba Nur, Celebi, Emin Ender, Oncel, Salim, Aydiner, Coskun, Novel Technological Solutions for Eco–Protective Water Supply by Economical and Sustainable Seawater Desalination. *Chemical Engineering Research and Design* <https://doi.org/10.1016/j.cherd.2018.04.022>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Novel Technological Solutions for Eco–Protective Water Supply by Economical and Sustainable Seawater Desalination

Duygu Topaloglu, Yasemin Melek Tilki, Seyda Aksu, Tugba Nur Yilmaz, Emin Ender Celebi, Salim Oncel, Coskun Aydiner*

Gebze Technical University, Engineering Faculty, Department of Environmental Engineering, 41400, Kocaeli, Turkey

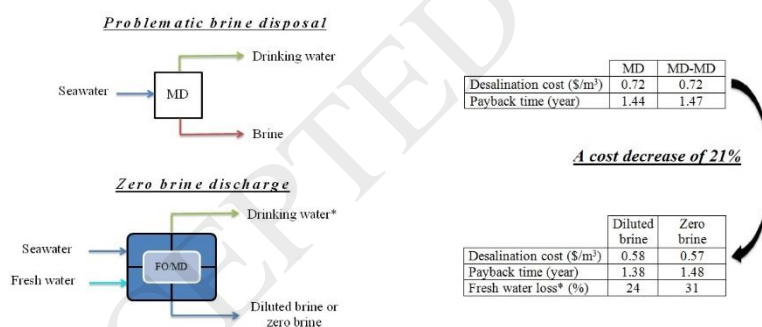
*Corresponding author.

Tel: +90 (262) 6053162

Fax: +90 (262) 6053145

E–mail address: aydiner@gtu.edu.tr (C. Aydiner)

Graphical abstract



HIGHLIGHTS

- Novel technological solutions were developed on sustainable seawater desalination
- Lower desalination costs than traditional ones were achieved by innovative systems
- Zero brine discharge to the sea was assured by using external fresh water resource
- Cost–effectively and eco–protectively water supply from seawater was accomplished

Download English Version:

<https://daneshyari.com/en/article/7005588>

Download Persian Version:

<https://daneshyari.com/article/7005588>

[Daneshyari.com](https://daneshyari.com)