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# **Desalination Technologies and Renewable Energy Sources**

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# **Message from the Guest Editor**

The desalination of sea and brackish waters is becoming an essential means of supplying fresh water in an increasing number of countries worldwide. Conventional desalination technologies suffer from major limitations including high energy consumption, low recovery ratio and environmental impacts associated with brine discharge. The use of renewable energy (RE) sources to power desalination systems is identified as a promising way to tackle the above-mentioned limitations of fossil fuel desalination plants. However, several barriers limiting the industrial development and implementation of RE desalination units are still present such as the high investment cost of RE equipment and the intermittent behavior of RE systems.

The proposed Issue can be viewed as a framework for both original contributions and state-of-the-art reviews on integrated RE desalination facilities. This Issue will also focus on the challenges and barriers of sustainable desalination.

Topics of interest for presentation in this Issue include can be found here

Dr. Jamel Orfi *Guest Editor* 







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# **Message from the Editor-in-Chief**

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