

**Special volume on the Second International Symposium
on Nanomaterials and Membrane Science for Water, Energy and Environment
Desalination and Reuse in the Face of Water Scarcity
1–2 June 2022, Tangier, Morocco**

Volume I

Preface

The problem of water, energy and climate change is among the most urgent priorities of our societies because these are essential to their socio-economic development. Efforts should be made to improve the quantity but also the quality of water directly linked to the consequences on health. The techniques used are highly energy dependent, some regions lack this energy necessary to allow the population to have sustainable access to water.

Additionally, nanomaterials and membranes grow rapidly and affect many aspects. Hundreds of products already use nanomaterials and membranes. Membrane technologies offer new opportunities for technological innovation and widely used in water treatment, environmental protection and desalination.

This symposium is organized by the Moroccan Membrane and Desalination Society (MMDS), which is a Moroccan Non-Governmental Organization (NGO), created in May 2005 by a group of specialists, researchers in membranes technologies, water treatment and desalination, from universities and industries. The symposium is also organized by the Laboratory of Materials, Membranes and Environment (LMME) – Hassan II University of Casablanca and the Laboratory of Advanced Materials and Process Engineering – Ibn Tofail University of Kenitra. This symposium aims to bring together academics, researchers and stakeholders from all activities sectors in the fields of nanomaterials and membrane science.

We would like to thank the scientific committee and the organizing committee for the great work already accomplished. We would like to express our sincere gratitude to our sponsors and of course to the participants for their contribution in making this event a high-level scientific event.

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