

Special Issue

Advanced Carbon Materials in Water Treatment or Separations Technology

Message from the Guest Editor

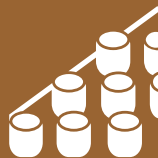
Water purification technology benefits from the development and discovery of advanced materials. Importantly, various forms of carbon have been applied for advanced treatment techniques. More recently, many other forms of carbon have been incorporated in water treatment technology, especially polymer membranes. For example, graphene and its various forms (carbon nanotubes, graphene oxide, and reduced graphene oxide) have been incorporated into composites or as coatings to achieve advanced materials in water treatment. For example, these materials can be used for advanced separations of solutes from solvents or to impart useful or unique properties to porous or dense membrane surfaces. The main focus of the Special Issue is thus to present how advanced carbon materials can be applied in water treatment in order to give the reader an overview of the state of the art. **Keywords:** water treatment; carbon; graphene; carbon nanotubes; graphene oxide; membranes; adsorbents

Guest Editor

Dr. Christopher J. Arnusch
Senior Lecturer, Ben Gurion University

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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