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Single-Walled Carbon Nanotube Based Materials and Applications

Guest Editors:

Dr. Benoit Lessard

Department of Chemical and
Biological Engineering, University
of Ottawa, Ottawa, ON, Canada

Dr. Nicole A. Rice

Department of Chemical and
Biological Engineering, University
of Ottawa, Ottawa, ON, Canada

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submissions:

closed (30 June 2021)

Message from the Guest Editors

Dear Colleagues,

In the last decade, there has been renewed interest in single-walled carbon nanotubes (SWNTs) and their potential applications. This is largely due to the advent of techniques that facilitate the isolation of highly-pure and/or individualized SWNT materials, including density-gradient ultracentrifugation, conjugated polymer wrapping, aqueous two-phase extraction, and electrophoresis. The ability to generate significant amounts of individualized chiralities has resulted in the production of exciting nanomaterials and composites and the prospect of a plethora of emerging applications such as electronics, sensors, ultratough composites and more. We invite you to submit new research on the development of SWNT-based systems and their applications, with particular focus on the synthesis, self-assembly, materials characterization, and integration of SWNTs. We look forward to hearing from you soon.

Prof. Benoît H. Lessard

Dr. Nicole A. Rice

Guest Editor



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Special Issue



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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

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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