

Special Issue

Carbon Nanotubes: New Trends and Outlooks

Message from the Guest Editor

Carbon nanotubes' exceptional electrical, optical, physical, chemical, and mechanical properties have boosted their use in almost all areas of knowledge. Remarkable progress has been made in the synthesis, purification, structural characterization, functionalization, and application of carbon nanotubes. Their particular characteristics make them well-matched for a plethora of application areas, namely, in the energy sector, materials sciences, nanoelectronics, (electro)catalysis, bioelectronic noses, construction of (bio)sensors based on different detection schemes, multifunctional nanoprobe for biomedical imaging, sorbents for sample preparation or for the removal of contaminants from wastewater, as anti-bacterial agents, as drug delivery nanocarriers, and so on. Thus, the goal of this Special Issue is to disseminate original research and review articles that focus on new advances, challenges, trends, and outlooks concerning the synthetic routes, structural features, properties, behaviors, and industrial or scientific applications of **carbon nanotubes** in established and emerging areas.

Guest Editor

Prof. Dr. Simone Morais

REQUIMTE/LAQV, ISEP, Polytechnic of Porto, Rua Dr. António Bernardino de Almeida, 4249-015 Porto, Portugal

Deadline for manuscript submissions

closed (31 December 2020)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 6.1



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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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