



## Carbon Nanotubes: New Trends and Outlooks

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### Message from the Guest Editor

Dear Colleagues,

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.





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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.

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