

## Special Issue

# Carbon Nanotubes and Nanotechnology: Novel Applications and Future Perspectives

### Message from the Guest Editors

This Special Issue focuses on trends in the design, modification and application of carbon nanostructures as innovative multifunctional materials. Carbon nanotubes (CNTs) are cylindrical nanostructures with remarkable mechanical, electrical, and thermal properties, making them pivotal in nanotechnology. Their unique characteristics enable a wide range of novel applications across various fields. In medicine, CNTs are explored for targeted drug delivery and imaging, enhancing the effectiveness of therapies. In electronics, they are utilized to create faster, more efficient transistors and flexible display technologies. Additionally, CNTs enhance the performance of composite materials in construction and automotive industries, offering lightweight and strong alternatives. Environmental applications include water purification and air filtration, highlighting their potential for sustainable solutions. As research progresses, future perspectives for CNTs point towards advancements in quantum computing, renewable energy systems, and smart materials. The integration of CNTs into existing technologies promises to revolutionize multiple industries.

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### Guest Editors

Dr. Sandra Zarska

Prof. Dr. Wojciech Ciesielski

Dr. Damian Kulawik

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### Deadline for manuscript submissions

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## Applied Sciences

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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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### Editor-in-Chief

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