



*nanomaterials*



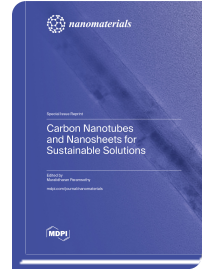
*Special Issue Reprint*

## **Carbon Nanotubes and Nanosheets for Sustainable Solutions**

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This Special Issue is a continuation of the preceding Special Issue titled “70th Year Anniversary of Carbon Nanotube Discovery - Focus on Real World Solutions”. Towards the contemporary theme of sustainability, 12 representative articles have been published in this Special Issue. The first eight articles are on currently impactful applications utilizing CNTs and/or graphene:

Biomedical Application: Serotonin Nanosensor;  
Agriculture Application: Seed Priming;  
Energy Applications: Superconductivity & Supercapacitor;  
Thermal Application: Nanocomposite for Road De-Icing;  
Structural Application: Vibration and Damping.

The last four articles are on the synthesis and fundamental nanoscale aspects of CNTs and/or graphene:

Synthesis and Structure: Nanofiber Growth on Nanowire;  
Electronic Structure: Pseudopotential Method;  
Crystallographic Structure: Defect Study & Engineering.

Geographically, including mixed country authorship, this Special Issue continuation is also of a truly global nature: 5 articles are from the Republic of Korea, 4 are from Italy, 3 are from the USA, and 1 is from each of the following countries: Pakistan, Malaysia, China, Japan, Taiwan, Bulgaria, Hungary, Germany, The Netherlands, and Belgium.



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