



## Recent Advances in CNT-Reinforced Polymer Composites for Electromagnetic Wave Absorption and Shielding

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Deadline for manuscript  
submissions:

**closed (31 August 2023)**

### Message from the Guest Editor

At present, excessive microwave radiation has become a typical pollution that is a great threat to human health. In order to solve the problem of the serious electromagnetic pollution caused by the widespread application of electromagnetic equipment and microwave technology, there is an urgent need to develop wave-absorbing and electromagnetic-shielding materials with good electromagnetic properties.

In recent years, carbon nanotubes have been used to prepare components with various micro-nanostructures due to their unique advantages. As one of the effective dielectric components in electromagnetic composite materials, when combined with other organic polymer components through a multicomponent synergistic mechanism, the impedance matching characteristics of the system can be optimized in many aspects, and good protection effects can be achieved against electromagnetic radiation.

In this Special Issue, we will focus on the latest developments in the research on the use of carbon nanotube-reinforced polymer composite materials to eliminate electromagnetic radiation pollution.





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