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# Synthesis, Characteristics and Application of Doped Carbon Structures

Guest Editor

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Deadline for manuscript submissions:

closed (20 August 2023)

## **Message from the Guest Editor**

Dear Colleagues,

This Special Issue of *Materials* invites original research articles, communications and comprehensive reviews on the synthesis, characteristics and applications of doped carbon materials. The scope of this Special Issue covers broad aspects from synthesis, properties, very characterization and applications of a broad range of doped carbon-based materials in different dimensions (0D, 1D, 2D and 3D) and forms including quantum dots (ODs), carbon nanotubes (CNTs), graphene, graphite, porous carbons, nanofibers, carbon 3D hybrids/composites, etc. In particular, the topic will cover progress on their doping by heteroatoms, such as nitrogen, sulphur, boron, oxygen, and others, for developing fascinating intrinsic properties and functionalities (physical and chemical) which are explored in many emerging applications across broad sectors such as advanced catalysis, electrophotoelectrocatalysis (hydrogen, CO2), energy storage (supercapacitors, batteries), sensing, environmental remediation, biomedical applications and agriculture.

We are looking to receive your valuable contributions and helping to further advancements in this important field.













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## **Editor-in-Chief**

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# **Message from the Editor-in-Chief**

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