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## Synthesis, Morphology, and Properties of Functional Nanomaterials

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### Message from the Guest Editor

The properties of nanomaterials are typically determined not only by composition but by the size and morphology of nanoparticles. This feature is used to design materials with specific photoactive, conductive/semiconductive, mechanical, and other properties. In microelectronics, the design of nanowires, single-electron transistors, diodes, and other nanoelectronics allows improving the computer performance. Functional nanomaterials play an important role in cleaning the environment, and molecular sieves and selective sorbents are widely used for gas separation. Functional nanomaterials have gained great popularity in medicine. Functional nanomaterials are opening up a whole new area of research of molecular design.

This Special Issue, collecting topics from an interdisciplinary viewpoint, is aimed at providing a resourceful background for readers, addressing the design of new functional materials and the devices based on them. Further, authors are encouraged to submit original works on the mechanisms of formation of nanocrystals and the effect of synthesis parameters on the morphology and properties of such materials.



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# Special Issue



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## Message from the Editor-in-Chief

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