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## **Physical Properties of the Nanoscale Materials**

Guest Editors:

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## **Message from the Guest Editors**

An understanding of the impact of a particle's size on its physical properties is of significant interest. Studies aimed at correlating the properties of nanomaterials, such as size, morphology, surface area and charge, composition, and type of structure, with optical, magnetic, biological, or chemical properties are under way. These fundamental studies will allow us, in the near future, to create the next generation of nanoscale devices. Using nanotechnology, materials can effectively be made to be stronger, lighter, more durable, and more reactive, and possess higher luminescence efficiency, higher thermal sensitivity, better electrical conductivity, higher magnetization, and higher bioactivity, among many other features.

This Special Issue aims to present novel structures showing the impact of a grain's size on its optical and magnetic properties. We encourage the submission of papers on the application of nanostructures in medicine, electronics, catalysis, and photonics. Other topics of interest include theoretical studies and experimental studies related to the size effect observed in powders, ceramics, thin films, and glasses.



