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Mass Production and Industrial Applications of Different Nanoparticles

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Message from the Guest Editor

Dear Colleagues,

About three decades ago, nanoparticles became a very attractive object for material science and physical and chemical research. Nowadays, nanoparticles of different materials, sizes, shapes, and morphology are used widely in different engineering and industrial applications. It is difficult to imagine modern biology, medicine, and pharmacy not using nanoparticles. Nanoparticles are also widely used in electronics, energetics, ecology (for solving environmental problems), and many other fields.

Of course, for such engineering or even industrial applications, the scale of production necessary is not a micro amount, but rather in grams, kilograms, or even tons.

In this Special Issue, we would like to discuss the papers that deal with the production of such macro amounts of different nanoparticles, as well as the engineering and industrial applications of different nanoparticles (with different sizes, shapes, and physical and chemical properties).

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Message from the Editor-in-Chief

The capability to manipulate, assemble, and fabricate nano-objects have given rise to nanoscience, one of the most rich and interdisciplinary fields of research. In fact, mechanics, optics, magnetism, or electronics at the nanoscale strongly differ from their macroscopic counterparts, and thus several disciplines are necessary to study nanomaterials. This field's development parallels the technical advances that have made it possible to control matter at the nanoscale. Our journal, *Nanomanufacturing*, seeks to provide a forum for discussion and a platform to publish the latest results regarding the fabrication, manipulation, scalability, and eventual industrial production of miniaturized devices or objects. All of our articles are published with rigorous refereeing and open access.

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