Special Issue

Advanced Manufacturing on Nano- and Microscale

Message from the Guest Editors

Structures with nano- and microscale feature sizes usually exhibit intriguing properties distinct from those of their bulk counterparts. Investigations on the novel mechanisms in nano/microsystems have brought the development of numerous manufacturing techniques. We have also witnessed the power of advanced manufacturing techniques in deepening the fundamental understanding of physical/chemical/biological phenomena and promoting the miniaturization of optical/electrical/magnetic/mechanical/acoustic devices. The combination of several manufacturing processes and materials to form a hybrid approach has also been explored to overcome the challenges of precise and cost-efficient fabrication, towards environmentally friendly and mass production for industrial applications. This Special Issue aims to cover recent progress in fundamental studies, technical advancements, and applications of micro/nanoscale advanced manufacturing. Original research articles, communications, review articles, and perspective views are welcome.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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