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## New Advances in Low-Dimensional Materials and Nanostructures

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Deadline for manuscript submissions:

**closed (20 June 2022)**

### **Message from the Guest Editors**

Modern high-tech production requires advanced nanomaterials and nanostructures with specified unique characteristics. The construction of next-generation technological processes is impossible without using an improved material base, so low-dimensional structures are of particular importance. The prospects for their application are very diverse. Due to their huge specific surface area, they are excellent adsorbents and catalysts, which is especially important in such areas as energy, biochemistry, and medicine. The miniaturization of electronics inevitably leads to the need to use appropriate semiconductor nanomaterials that differ from the traditional bulk ones, which will enable a significant increase in the speed of computing systems in the future.

Articles on low-dimensional materials and nanostructures, including zero-dimensional, one-dimensional, and two-dimensional systems, are invited to this Special Issue. The synthesis, structure, various physicochemical characteristics, and applications of such materials are of great scientific and practical interest. Both experimental and theoretical research are encouraged.



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# Special Issue



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## Message from the Editor-in-Chief

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**Journal Rank:** JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

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