Special Issue

Noble Metal-Based Nanostructures: Optical Properties and Applications

Message from the Guest Editors

Noble metal-based nanostructures delve into the fascinating realm of nanotechnology, specifically focusing on gold, silver, palladium, platinum, ruthenium, rhodium, and iridium. These noble metals exhibit unique optical properties at the nanoscale, making them pivotal in various applications. In summary, this Special Issue underscores the significance of noble metal-based nanostructures in leveraging their optical properties for a spectrum of applications. The comprehensive exploration of gold, silver, palladium, platinum, rhodium, and iridium nanostructures provides insights into their diverse roles, paving the way for advancements in fields ranging from medicine to sustainable energy. We would like to invite specialists in the field to submit both original research papers as well as review articles on basic aspects of and future directions in this fantastic field.

Guest Editors

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Deadline for manuscript submissions

25 September 2025

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/194645

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mdpi.com/journal/nanomaterials

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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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