Special Issue

New Advances in Magnetic–Plasmonic Nanostructured Materials

Message from the Guest Editors

Magnetic–plasmonic nanostructured materials (MPNMs) are promising materials for various kinds of device formations, including surface-enhanced Raman spectroscopy (SERS) studies for biomedical applications. Research is currently focused on engineering the texture and morphology of MPNMs to improve their surface properties using these nanostructures for SERS applications. The unique physicochemical properties of tunable plasmonic nanostructures (PNs) combined with magnetic nanoparticles have emerged as an excellent sensing platform with enhanced abilities and a high degree of sensitivity for the detection of particularly small bio-molecules. MPNMs are widely used in surface-enhanced vibrational spectroscopies and particularly in SERS due to their unique localized surface plasmon resonance (LSPR) properties.

We hope to establish a collection of papers that will be of interest to scholars in the field. Contributions in the form of full papers, reviews, and communications about the related topics are very welcome.

Guest Editors

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