Special Issue

Thin-Film Nanomaterials: Applications in Biotechnology

Message from the Guest Editors

Thin-film nanomaterials are a quickly growing area of research and technology. Such nanomaterials include 2D materials (graphene, MoS2), nanotubes, nanowires, and nanofibers. Often, these materials must be additionally modified (e.g., by thin layers and films) in order to induce specific properties, for example, to immobilize antibodies, DNA, proteins, etc. These thin-film-modified nanomaterials open a new area of research for biosensors, tissue engineering, drug delivery, and many others. In this Issue, interdisciplinary research in the field of nanomaterials for biosensing, enhanced cell adhesion, wound therapy, theranostics, cancer treatment, antimicrobial layers, and biomolecule detection are warmly welcome.

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