

Special Issue

Nanomaterials in Modern Medicine

Message from the Guest Editor

Nanotechnology offers many possibilities in modern therapies, and this application is referred to as 'nanomedicine.' The field of nanomedicine merges the physical, chemical, and biological fields, and creates a huge potential to overcome treatment challenges in medicine. Nanomaterials, i.e., materials with dimensions in the nanoscale (up to a few hundred nanometers), have played an essential role in modern medicine, with applications in preventing, diagnosing, and treating various diseases. The main applications of nanomaterials in medicine include contrast agents, carriers for drug and gene delivery, carriers for vaccines, antimicrobials, and more. However, nanomaterials also bring unique environmental and societal challenges, particularly regarding toxicity. We invite researchers to contribute original research and review articles. The topics relate to all aspects of nanotechnology and nanomaterials in medicine, i.e., nanomedicine, from the simple synthesis of nanomaterials with promising properties for bio-medical application up to the clinical application of novel nanomaterials.

Guest Editor

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