

Special Issue

Nanotechnology-Based Approaches for Chronic Diseases

Message from the Guest Editors

Chronic diseases like neurodegenerative diseases, cancers, diabetes, arthritis, cardiovascular diseases and so on are rapidly increasing worldwide. Despite this, the treatment for the chronic neuronal complications is still limited due to the difficulty for drugs to cross the blood–brain barrier, which has led researchers to search for novel medicines with a lower particle size. Similarly, other chronic diseases are also facing problems in the delivery of drug or other bioactive compounds to the target site. Nanotechnology-based medicines are currently in the pipeline for the effective delivery of those drugs with a lower particle size and the enhanced bioavailability of these drugs. The nanotechnology-based delivery of drug or bioactive compounds is an emerging trends in the protection, treatment or prevention of chronic diseases. Thus, this Special issue focuses on but is not limited to the following key sectors:

- Nanodelivery system development for chronic diseases
- Nanotechnologies used for drug development like micronization
- Nanotechnology-based molecular interactions
- Targeted nanomedicines
- Nanotoxicology
- Nanoimaging

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