

Special Issue

Research on Application of Nanomaterials in Drug Delivery

Message from the Guest Editors

In the past decades, the demand for nanotechnology has been increasing, and the application of nanomaterials has become more and more extensive. Nanomaterials have been applied in biomedical as drug delivery, tissue engineering, and diagnostics for disease. Nanomaterials' application in drug delivery systems can provide different advantages, such as drug protection, improving drug bioavailability, modifying drug distribution with targeting activity, and controlling drug release concerning the specific different routes or treatment disease (ophthalmic administration, cancer treatment, brain diseases or more specific disease such as coronary artery disease). Therefore, the purpose of this research topic is to collect original research articles and review papers that present an overview of current trends and applications of different nanomaterials (polymers, lipids, surfactants, active drugs) by investigating their effect on the final characteristics of the nano-drug delivery system. Particular attention will be paid to the safety of raw nanomaterials and the developed nanosystem, discussed about the target site and application in human medicine.

Guest Editors

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