

Special Issue

New Developments in Drug Delivery Systems

Message from the Guest Editor

Drug delivery systems (DDSs) have undergone transformative advancements in recent years, bridging the gap between innovative therapeutics and effective patient care. These systems enable the precise targeting, controlled release, and enhanced bioavailability of drugs, thereby minimizing side effects and improving efficacy. Despite significant progress, challenges remain in optimizing drug delivery platforms for scalability, biocompatibility, and regulatory approval. This Special Issue will gather cutting-edge research and review articles that highlight recent breakthroughs, novel methodologies, and future perspectives in drug delivery. Topics of interest include, but are not limited to, smart and stimulus-responsive drug carriers, nanomedicine- and nanoparticle-based delivery systems, controlled release and sustained delivery approaches, targeted delivery for precision medicine, bioinspired and biomimetic delivery platforms, advances in gene and cell therapy delivery, and artificial intelligence in DDS design.

Guest Editor

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