

Special Issue

Advances in 3D Printing for Drug Delivery Systems

Message from the Guest Editors

Three-dimensional (3D) printing is transforming the field of drug delivery, enabling the fabrication of personalized, precise and complex dosage forms previously unattainable with conventional methods. This Special Issue aims to explore recent advances in 3D printing technologies applied to drug formulation and delivery, from oral and transdermal systems to implants and tissue-engineered scaffolds. We welcome original research and review articles focused on novel printable materials, innovative drug release mechanisms, regulatory perspectives and clinical translation. Of particular interest are interdisciplinary studies that combine pharmaceutical sciences, materials engineering and biomedical applications. Contributions addressing scalability, quality control and the integration of digital health tools are also encouraged. This Special Issue seeks to provide a comprehensive overview of how 3D printing is reshaping the future of individualized therapy and controlled drug administration, fostering a platform for cutting-edge research at the intersection of technology and therapeutics.

Guest Editors

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Deadline for manuscript submissions

31 January 2026



Biomedicines

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/242710

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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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