

Special Issue

3D Bioprinting: Current Advances and Future Directions in Drug Delivery

Message from the Guest Editors

We are pleased to invite you to contribute to the Special Issue titled “3D Bioprinting: Current Advances and Future Directions in Drug Delivery.” 3D bioprinting is a technology that enables fabrication of biological structures and improves drug delivery efficiency. It enhances drug accessibility, enables targeted delivery, and provides controlled drug release, addressing challenges in current pharmaceutical methods. This Special Issue aims to present how 3D bioprinting transforms drug delivery practices. We particularly encourage submissions bridging pharmaceutical science, clinical application, and biomaterials research. Our goal is to compile contributions that provide insight into practical implementation, methodology improvements, and translational approaches. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Innovative bioink formulations for drug delivery;
- 3D-printed scaffolds for controlled drug release;
- Bioprinted disease models for therapeutic screening;
- Advances in personalized medicine via bioprinting;
- Regulatory and translational aspects of bioprinted therapeutics.

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