Special Issue

Novel Controlled Release Drug Delivery Systems by Applying 3D Printing Technology

Message from the Guest Editors

Since the first FDA approval of 3D printed tablet, there has been an emerging interest in the pharmaceutical application of 3D printing technology, or additive manufacturing. The unique advantages of 3D printing technology over conventional manufacturing have shown its potential to improve upon current pharmaceutical dosage forms through complex and customized dosage forms which are not cost-effective or otherwise impossible. In the last decades, therefore, 3D printing has been extensively explored and applied to design and develop innovative controlled release dosage forms. In this Special Issue, we seek to highlight the advantages, key challenges, and future directions of the application of 3D printing technology for the development of novel controlled release drug delivery systems. Topics may include, but are not limited to, various innovative applications of 3D printing technology in controlled release dosage forms and drug delivery systems and their in vitro as well as in vivo evaluations. We look forward to your submission of original research work or review articles.

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Editor-in-Chief

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