

Special Issue

Additive Manufacturing Approaches to Produce Drug Delivery Systems, 3rd Edition

Message from the Guest Editors

In recent years, additive manufacturing approaches have provided innovative and cutting-edge technologies that have significantly improved different fields. One of the applications of these methodologies is in the production of enhanced drug delivery systems. In this regard, using these technologies enables the full manipulation of several drug delivery production parameters that are not able to be changed/combined when conventional approaches are used. Currently, the structures produced through additive manufacturing include scaffolds used on hard tissue regeneration, wound dressings made from fibres that can perfectly mimic the soft tissue, and nanometric structures that can be used for transdermal medication. All of these kinds of structures could be filled with drugs and biochemical markers, leading to a quick and successful therapeutic process. Topics of interest for this Special Issue include, but are not limited to, the following: Medicines; Intravenous and transdermal approaches; Scaffolds and wound dressings; Additive manufacturing technologies for drug delivery systems; Drug delivery mathematical models.

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Deadline for manuscript submissions

closed (10 March 2024)



Pharmaceutics

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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



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