

Special Issue

Printed Pharmaceuticals in Future Healthcare

Message from the Guest Editors

3D printing technologies have rapidly shown their great potential in revolutionizing conventional procedures in pharmaceutical manufacturing, which helps to conceive various patient-centric approaches in a dynamic healthcare environment. The operating principles of these technologies are key in the development of novel and more flexible drug delivery systems. Thus, different methods, materials, and structural properties of these formulations need to be considered. Furthermore, we need to explore new approaches to introducing these systems into distributed points-of-care, in order to succeed with on-site and safe production and delivery to the patient. In this context, the recent trends in coupling 3D printing with state-of-the-art manufacturing technologies and digital tools can facilitate the optimization of pharmaceutical products. This Special Issue will cover all aspects of 3D printing strategies for fabricating novel drug delivery systems and future directions for utilizing state-of-the-art technologies, in our quest to improve patients' well-being in the forthcoming era of a personalized healthcare environment.

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