

Special Issue

The Evolution of Pharmaceutical Three- Dimensional Printing

Message from the Guest Editors

Over the past quarter-century, pharmaceutical three-dimensional printing has developed rapidly and changed the way we think about the manufacturing process, especially in terms of tailored medicine. The use of additive manufacturing technologies opens a new opportunity for researchers to overcome major issues in the development of drug delivery systems, such as improving poorly water-soluble drug dissolution, controlling the release of API, and many others. Some 3D printing technologies have already been utilized to manufacture drug delivery systems, i.e., fused-deposition modelling, selective laser sintering, stereolithography, drop-on-powder, and more. After the introduction of Spritam® to the pharmaceutical market, the amount of research in this area has rapidly increased and brought new solutions for pharmaceutical technology. However, many fields are still waiting to be explored for patient benefit. This Special Issue is focused on highlighting the current trends and future perspectives in the pharmaceutical 3D-printing field.

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