

Special Issue

Advances in Microneedle-Based Drug Delivery Systems

Message from the Guest Editors

Over the past few decades, transdermal drug delivery through microneedles has become an attractive approach for therapeutics compared with parenteral and oral routes. Microneedles are capable of overcoming the barrier properties of stratum corneum in a minimally invasive manner, increasing the delivery efficiency and effectiveness of encapsulated compounds across the skin. The number of publications related to microneedles has been rapidly increasing. Moreover, to overcome the limitations of previously developed technologies, a series of novel microneedle fabrication methods, applicators, and novel geometries were introduced. Therefore, in this Special Issue, we aim to further explore the potential of microneedles in the pharmaceutical field by showcasing the most recent advances in microneedle-based drug delivery systems.

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