Special Issue

Design and Development of Novel Stimuli-Responsive Medical Device for Topical Release of Nanomedicines

Message from the Guest Editor

Stimuli-responsive polymer, smart drug delivery system, topical drug release, nanocarrier for drug delivery, nanomedicine, and drug release device have been developed over decades. At this point, current research focuses on how to develop a systemic design for the topical delivery system of therapeutics by synergistic harmony of the well-developed techniques. This Special Issue collects original research and critical reviews about scientific and technical information. The primary areas of interest of this Special Issue include but are not limited to:

- Design of medical device for “on-demand” release of nanomedicine.
- Design of biomaterials for controlled release of nanomedicine.
- Smart polymer for fabrication of medical device releasing nanomedicine.
- Stimuli-responsive membranes for topical drug delivery.
- Stable nanocarriers for release from a medical device.
- Stability and efficacy of nanomedicine release from a biomaterial-based medical device.

For further reading, please visit the ***Special Issue website***.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/70901

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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