

Special Issue

Advances in Polymer-Based Drug Delivery Systems for Cutaneous Applications

Message from the Guest Editors

Transdermal drug delivery systems containing various active ingredients have recently garnered significant interest. Their administration represents a therapeutic alternative for multiple pathologies, limiting adverse effects and providing the advantage of avoiding the hepatic or gastrointestinal route. Additionally, polymer-based formulations offer the benefit of controlled and sustained release of the active ingredient. These formulations are beneficial for various conditions, as they can provide both local and, in some cases, systemic action. The transdermal systems ensure optimal bioavailability of the active ingredient, promote easy penetration through the stratum corneum, and maintain ideal concentrations of the active substances. The use of absorption promoters significantly enhances the bioavailability of the active substance. The formulations based on polymers can include active substances with diverse therapeutic characteristics, such as antimicrobial, anti-inflammatory, antioxidant, antifungal, keratolytic, antineoplastic, analgesic, and wound-healing properties, which are successfully used in various application pathologies.

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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