

Special Issue

Pharmaceutical Formulations with Antimicrobial Properties, 2nd Edition

Message from the Guest Editors

Numerous studies on the systemic administration of antimicrobial drugs can be found in the literature. However, there are many challenges related to site-specific drug delivery, unwanted side effects and even potential toxicity. In order to address these, it is necessary to explore new approaches to the administration of active principles with antimicrobial properties. Therefore, in this Special Issue, we will focus on new delivery systems for antimicrobial applications, with a major emphasis on topical and targeted delivery. Examples of antimicrobial applications include wound healing; the prevention and treatment of periodontal diseases and tooth decay; and treatment of ear, skin, urinary tract, vaginal or respiratory infections. The systems used to release antimicrobial principles could take the form of gels, hydrogels, emulsions, micro- and nanoparticles (spheres, capsules, liposomes) or nanofibers.

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Deadline for manuscript submissions

closed (10 September 2024)



Pharmaceutics

an Open Access Journal
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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



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