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Mucoadhesive Drug Delivery Systems

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Message from the Guest Editors

Dear Colleagues,

Mucoadhesion, described as many polymers' ability to adhere to a mucosal membrane, is a characteristic of great interest in the development of drug delivery systems for vaginal, ocular, nasal, buccal and oral routes. The use of mucoadhesive polymers enables increased residence times in administration or action, which is an appealing strategy to improve the treatment of local pathologies or promote greater drug bioavailability by enhancing its absorption. Furthermore, mucoadhesive polymers are frequently capable of acting as drug-release modulators, allowing sustained or stimuli-responsive drug release. However, despite their potential, the therapeutic application of these polymers is still limited. This Special Issue aims to advance the development of new drug dosage forms that benefit from the properties of mucoadhesive polymers, from development and characterization to in vivo evaluation of new formulations.

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Message from the Editor-in-Chief

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