

Special Issue

Mucoadhesive and Mucosal Drug Delivery Systems

Message from the Guest Editors

Mucosal drug delivery is designed to target drugs to mucosal membranes covering the respiratory tract, the eye, the female genital tract, and the gastrointestinal tract. Mucosal drug delivery is suitable for local drug administration to treat mucosal diseases as well as for systemic drug distribution. Mucoadhesion is one of the strategies of mucosal delivery to prolong system retention time at the site of application/absorption and provide a controlled rate of drug release. Moreover, other attempts have been made to optimize mucosal drug delivery, such as mucus-penetrating systems (for reducing mucus interaction), the employment of mucolytic agents (enabling alteration of the mucus structure) and, more recently, self-propagating drug delivery systems or multiple absorption strategies. The present Special Issue serves as an overview of current research on Mucoadhesive and Mucosal Drug Delivery Systems, as strategies and formulative approaches to obtain the prolonged residential time at the site of application/absorption, the overcoming mucus barrier, and the enhanced mucosal delivery or permeation of drugs.

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