

Special Issue

Stomach-Specific Drug Delivery

Message from the Guest Editors

Oral delivery is still the most common route of medication administration. However, conventional oral dosage forms may require frequent administration to enhance therapeutic efficacy and may lead to medication non-adherence. In order to address the physiological constraints of the gastrointestinal tract, such as variable gastric emptying and intestinal transit rates, gastroretentive dosage forms have emerged as a promising alternative. Prolonging drug residency and release in the stomach is an advantageous approach to increase drug absorption and bioavailability, reduce dosing frequency, and achieve targeted drug delivery to the stomach. This Special Issue aims to highlight the current progress in the field of stomach-specific drug delivery, welcoming both original research articles and reviews. Addressed research areas may include (but are not limited to) gastroretentive dosage forms, that may be floating, gastroadhesive, expandable, swellable, nanofibrous, high-density, pH responsive, or magnetic drug delivery systems for sustained drug delivery or drug targeting to the stomach.

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