

## Special Issue

# Biomimetic Nanocarriers for Oral Drug Delivery

### Message from the Guest Editor

Although oral administration denotes a preferred route for taking medicine, oral drug delivery faces significant challenges due to the poor druggability of both synthetic and natural products. While modern drug manufacturing technologies have dramatically accelerated drug discovery, the resulting drug candidates often suffer from inadequate water solubility and/or permeability, promoting the need for innovative oral formulations. Bionics is an important concept for drug delivery, enabling drug absorption and treatment optimization. Biomimetic nanocarriers refer to nanodelivery vehicles designed to replicate naturally occurring nanostructures in the gut, which mimic the transport behavior of substances in vivo, allowing them to bypass absorption barriers and maximize drug absorption. This Special Issue will explore broad interests in harnessing diverse biomimetic systems to ameliorate oral drug delivery. We invite you to submit your excellent contributions, including original research articles and reviews, on relevant areas including but not limited to lipid- and emulsion-based formulations, biomimetic nanoparticles, nanovesicles, micelles, and exosomes.

### Guest Editor

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### Deadline for manuscript submissions

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## Pharmaceutics

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