Special Issue

Recent Advances in Nanoparticles for Mucosal Drug Delivery

Message from the Guest Editors

Drug delivery is possible through various administration routes, and most of them involve passage through mucous membranes (from absorption through the digestive tract after oral administration, to absorption through the buccal, sublingual, nasal, ocular, vaginal, rectal mucosa passageways, etc.). However, the characteristics of all the above-mentioned mucous membranes can differ greatly, in addition to their capacity for drug absorption. This implies the need for continuous research to optimize mucosal drug delivery systems. All articles that explore the use of nanoparticles for mucosal drug delivery, whatever their therapeutic target, are welcome in this Special Issue. This includes articles that propose the innovative development of nanoparticles, as well as those that deepen the results of its administration, and also bibliographic reviews that update the current state of the art in this field.

- bioavailability enhancement
- controlled release
- mucoadhesion
- mucopenetration
- nanocarriers
- nanomedicines
- targeted drug delivery
- topical drug delivery
- vaccine delivery

Guest Editors

Dr. Fernando Notario-Pérez

Department of Pharmaceutics and Food Technology, Faculty of Pharmacy, Complutense University of Madrid, 28040 Madrid, Spain

Dr. Roberto Ruiz-Caro

Department of Pharmaceutics and Food Technology, Faculty of Pharmacy, Complutense University of Madrid, 28040 Madrid, Spain

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Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

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Prof. Dr. Patrick J. Sinko
Department of Pharmaceutics, Ernest Mario School of Pharmacy, Rutgers University, Piscataway, NJ 08854, USA

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