



Novel Technologies for Buccal and Transdermal Drug Delivery

Guest Editors:

Dr. Cristina Prieto

Novel Materials and
Nanotechnology Group, Institute
of Agrochemistry and Food
Technology (IATA), Spanish
Council for Scientific Research
(CSIC), Calle Catedrático Agustín
Escardino Benlloch 7, Paterna,
46980 Valencia, Spain

Dr. Maria Pardo-Figuerez

Novel Materials and
Nanotechnology Group, Institute
of Agrochemistry and Food
Technology (IATA), Spanish
Council for Scientific Research
(CSIC), Calle Catedrático Agustín
Escardino Benlloch 7, Paterna,
46980 Valencia, Spain

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Message from the Guest Editors

Dear Colleagues,

The discovery of new drug candidates with poor water solubility as well as a strong first-pass effect present ongoing challenges regarding their translation into potential medical therapies. In light of this, researchers are focusing their efforts on finding alternative technologies and delivery systems to improve the solubilization and bioavailability of these drugs. In particular, interest has been focused on the use of electrohydrodynamic processing for the generation of drug delivery platforms to enhance drug permeability and solubility. This technique can be used to generate the solid dispersions of an API within a polymer matrix, generating solid pharmaceutical formulations that can adhere to the mucosa membrane. Moreover, the resultant fibrous materials have a high specific area, tunable pore size and controlled mechanical properties, making them attractive in drug delivery applications. This Special Issue is focused on highlighting the current trends and perspectives of buccal and transdermal delivery systems prepared by emerging technologies, such as electrohydrodynamic processing, among others.

We look forward to receiving your contributions.





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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

Message from the Editor-in-Chief

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Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
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