

Special Issue

Advances in Improving Drug Dissolution, Solubility, and Bioavailability

Message from the Guest Editor

In recent years, many studies have focused on how to improve drug delivery and bioavailability. The increased interest in this field is associated with the development of various disciplines such as nanotechnology, crystal engineering, materials engineering, polymer science, and even 3D printing technology. Poor bioavailability of pharmaceuticals is often related to their low solubility or low dissolution rate. Overcoming this problem requires the introduction of significant structural changes in pharmaceutically active ingredients. Another important problem affecting poor drug bioavailability is their low cell membrane permeability. In this case, various types of drug carriers can be helpful, including those prepared using nanotechnological techniques. In addition, in many cases it is necessary to achieve controlled drug release, which involves reaching its optimal bioavailability.

The purpose of the Special Issue “Advances in Improving Drug Dissolution, Solubility, and Bioavailability” is to present the latest research on the improvement of drug bioavailability, including all dosage forms and the results of modifying important drug physicochemical properties.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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