Nanoemulsions for Drug Delivery

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

I am pleased to invite you to contribute to this Special Issue intended to present recent developments in nanoemulsion formulations and technologies for drug delivery. Nanoemulsions are soft tunable and versatile nanosystems presenting numerous possibilities for drug encapsulation and targeting. They provide advantageous properties for drug delivery, including the possible use of FDA-approved excipients, the high encapsulation capacity for both hydrophobic drugs and for hydrophilic drugs in multiple nanoemulsions. For the encapsulated drug, the nanoemulsion systems improve bioavailability and stability thanks to the resistance they provide against hydrolysis and oxidation after administration. Due to the soft material and the nanometric scale of the droplets, nanoemulsions may be administered through a very broad variety of general administration routes. These applications include vaccination, cancer therapy, neurodegenerative diseases, and therapeutic oxygen delivery. This Special Issue aims to highlight the recent progress in nanoemulsions-based therapy, helping to take it from the bench to the bedside.

Prof. Dr. Sylvie Crauste-Manciet
Guest Editor

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Special Issue

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Message from the Editor-in-Chief

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