

Special Issue

Advances in Solid Lipid Micro- and Nanoparticle Technology

Message from the Guest Editors

Solid lipid micro- and nanoparticles show strong potential in a number of different therapeutic areas. Their proven safety and the availability of scalable manufacturing techniques rank solid lipid particles among the most attractive technologies. Unfortunately, the intrinsic solid state properties of lipids are detrimental to particle storage stability and sometimes restrict their market appeal. This Special Issue aims to cover the most recent research efforts addressing lipid particle technology challenges. Special attention will be dedicated to manufacturing and novel cutting-edge technologies that may help to prevent the well-known issues of lipid materials and could foster the industrial development of these versatile delivery systems. Detailed topics are: advanced manufacturing techniques; new solid lipid particle engineering approaches to enhance stability and delivery performances; new approaches in the use of solid lipid particles for targeted or local drug delivery; technologies addressing delivery of biopharmaceutical products and hydrophilic compounds.

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