

Special Issue

Natural and Synthetic Compounds in Pharmaceutical Formulations and Drug Delivery Systems

Message from the Guest Editors

Natural and synthetic compounds may be applied in various pharmaceutical formulations, including in nanosized drug delivery systems. Numerous natural products derived from plants, marine or microbial sources have fascinating biological activities, offering novel prospects for the drug discovery process. In addition, synthetic bioactive compounds or semisynthetic natural derivatives may be produced as promising candidates for treating diseases. On the other hand, various chemical properties, including stability, or biological properties, such as pronounced adverse effects, may limit their clinical application. To overcome these challenges in the development of pharmaceutical products, drug delivery systems incorporating natural or synthetic compounds may be developed. This Special Issue aims to address recent research on the biological/therapeutic activities of formulations containing natural molecules, semi-synthetic derivatives, and synthetic compounds, including the isolation, purification, synthesis and biological evaluation of the molecules.

Guest Editors

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