

Special Issue

Promoting the Therapeutic Potential of Neuroactive Drugs with Lipidic Formulations

Message from the Guest Editors

Neurological diseases are currently the leading cause of illness and disability worldwide, as highlighted by the most recent WHO data (2024). In recent years, new advances in the treatment of neurological diseases have been made. However, most therapies have shown a limited ability to reach the central nervous system in therapeutic concentrations due to their physicochemical and pharmacokinetic properties or the type of formulation used and approved. To counteract these problems, the development of state-of-the-art formulations based on nanotechnology has emerged as a promising strategy. Among these, self-emulsifying drug delivery systems for enteral and systemic administration hold great potential for improving the pharmacokinetic/pharmacodynamic properties of CNS-active molecules. This Special Issue aims to highlight the current progress on self-emulsifying drug delivery systems for central nervous-acting molecules, gathering the most recent outputs related to this nanotechnological strategy for neurological disorder treatment. We look forward to receiving your state-of-the-art original and review articles that will greatly contribute to the scientific growth of this field.

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