

Special Issue

Curcumin Derivatives and Curcuminoids as Theranostic Agents in Alzheimer's Disease

Message from the Guest Editor

Curcumin, curcumin analogues, derivatives, and curcuminoids exert several biological activities, including certain interesting therapeutic properties against Alzheimer's disease (AD). During the last decade, the scientific community has been focused on research into more efficient drugs to face neurological disorders. Furthermore, there is a need for more precise and accurate diagnostic agents. From this point of view, the invention of theranostic agents (both diagnostic and therapeutic) for neurodegenerative diseases will be of great significance, and the curcumin scaffold, which has been found to be a unique structure for a 2nd-generation A β PET tracer development, has the potential to play an important role in this.

This Special Issue will comprise a selection of research papers and reviews offering knowledge on the design, synthesis, development, properties and special structural characteristics of curcumin derivatives and curcuminoids as theranostic agents (both therapeutic and diagnostic), new entities inserted in clinical applications, in vitro and in vivo studies, strategies and identification of the key biological processes in which these agents will be implicated.

Guest Editor

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