



Curcumin and Its Derivatives

Guest Editor:

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Deadline for manuscript submissions:

30 November 2024

Message from the Guest Editor

Dear Colleagues,

In the last decades, the naturally occurring polyphenol curcumin has earned increased attention in view of its *in vitro* beneficial effects comprising antioxidant, anti-inflammatory, and anti-cancer activities. Unfortunately, curcumin has poor water-solubility and bioavailability, drawbacks that hamper its great therapeutic properties and hold back its use in biomedical applications. This limit could be overcome by designing new methods of administration or by synthesizing novel daughter compounds with modified chemical structures. Curcumin and its derivatives also have applications in the development of new materials and chemical sensors.

In this landscape, this Special Issue of *Molecules* dedicated to “Curcumin and its derivatives” aims to collect the latest cutting-edge discoveries in the synthesis, characterization, theoretical calculations, delivery, and applications of curcumin-based compounds and materials.

Dr. Erika Ferrari

Guest Editor





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Message from the Editor-in-Chief

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