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Advances in Polyphenol-Based Multifunctional Materials

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Deadline for manuscript submissions:

closed (31 December 2023)

Message from the Guest Editors

Dear Colleagues,

Natural polyphenols have attracted enormous attention in the past decade due to their complex interactions with diverse substrates.

In this Special Issue, we invite investigators to contribute short communications, full research articles, and timely reviews that are related to the polyphenol-based functional materials and emerging applications. Potential topics include, but are not limited to, the following:

- Control or regulation of the self-assembly of polyphenols and substrates.
- Rationally designed polyphenols for targeted functions.
- Improved therapeutic effect of polyphenol-based drugs, antibiotics, theragnostic agents, and delivery vehicles.
- Smart and responsive polyphenol-based materials for industry, agriculture, and food production.
- Efficient extraction of polyphenols from plants and microbes.
- Advanced eco-friendly refinery of polyphenol-based materials.

Dr. Yunxiang He

Dr. Xiaoling Wang

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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