



Natural and Synthetic Molecules for Tissue Protection

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Natural compounds, their derivatives, and purely synthetic ones belong to a variegated class of tissue protectants. The appropriate choice of these molecules is crucial in tissue and organ preservation.

The analysis of different tissue-protective strategies, based on the knowledge of the damage mechanisms, has led to the development of several protective compounds. Nervous tissue is among the most sensitive because any kind of insult is irreversible. Therefore, its protection is crucial to ensure correct function. Many laboratories worldwide are working on new agents to reduce the damage to the nervous system, protecting neuronal microenvironment. Other molecules have been used to protect the renal, cardiovascular, and gastro-enteric system.

This Special Issue will publish research articles or reviews covering all kinds of natural and synthetic compounds with protective activity in different tissues. Manuscripts that highlight different molecules with a possible preventive activity against damage in healthy tissue are also welcome.





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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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