Special Issue

EGCG, Green Tea and Polyphenols

Message from the Guest Editors

Green tea is extracted from shrub, *Camellia sinensis,* leaves and is consumed as one of the most common beverages around the world. Green tea and its main polyphenolic component, epigalloccatechin-3-gallate (EGCG), are known to have putative health effects, such as antioxidant, anti-inflammatory, antmicrobial, and anti-carcinogenic properties. This Special Issue aims to identify and review the latest bioactive compounds from tea and polyphenols to have beneficial effects in body. Authors are invited to submit relevant papers on novel activities of green tea, polyphenols including EGCG activities, and strategies to support or to depose beneficial effect on inflammatory, microbial, viral, and antioxidants measurements. Moreover, discoveries of the mechanism of actions by which tea and its polyphenols may support the microbiome and gut health to prevent inflammatory complications are of particular interest. Basic, pilot clinical and translational and retrospective trials, as well as review articles in this area are of interest.

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As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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