Special Issue

Capsaicin—2nd Edition

Message from the Guest Editor

Capsaicin has been long considered a chemopreventive agent that exhibits anti-growth activity against various lines of cancer cell lines, often associated with its apoptotic activity. However, numerous reports have demonstrated that capsaicin possesses paradoxical effects on cellular functions and is differentially cytotoxic toward cancer cells and non-cancerous cells. The specific target(s) of capsaicin and the resulting mechanisms underlying those differences are not yet fully understood, and remain to be discovered. This Special Issue is devoted to recent developments in this very important and emerging area of research. The scope is broad, and includes, but is not limited to, the effect of capsaicin on cellular-signaling events in the functioning, growth and differentiation of cells in normal and pathological states; the effect of capsaicin on the regulation of protein expression in different states; the effect of capsaicin on gene expression; bioinformatic studies related to the mechanisms of signaling events and gene regulation; and studies of capsaicin agonists and antagonists.

Guest Editor

Prof. Dr. Pin Ju Chueh

Institute of Biomedical Sciences, National Chung Hsing University, Taichung, Taiwan

Deadline for manuscript submissions

closed (30 June 2019)



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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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