



Small Molecules, Influence of Molecular Pathways

Guest Editor:

Dr. Eng Shi Ong

Department of Science,
Singapore University of
Technology and Design,
Singapore 487372, Singapore

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Message from the Guest Editor

Small organic molecules that have a molecular weight <1.5 kD are generated or possibly modified by living cells and various biosystems. Techniques to identify small molecules have been successfully applied in a wide variety of fields, such as chemistry, engineering, medicine, and biology. In many areas, the hunt for small molecules has been extensively applied to study the intra- and extracellular metabolites present. In additions, they play major roles in metabolic pathways that may include energy metabolism, structural, signaling, and others. It has been noted that they are dynamic molecules strongly influenced by genetics, diet, age, lifestyle, drugs, disease, and inflammation. As precision medicine starts to progress, small molecules that include lipids and others are noted for their potential to act as unique biomarkers or other indicators.

The aim of the Special Issue will contain both original article and review papers on the techniques and molecular mechanism regulated or affected by small organic molecules. Studies on cell-based models, animal models, plant-based systems, and human studies are welcomed.





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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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MDPI, St. Alban-Anlage 66
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