



Novel Inhibitors: Design, Synthesis, Biological Activities and Modelling Studies

Guest Editors:

Dr. Hari Krishna Namballa

Department of Chemistry, Hunter College, City University of New York, 695 Park Avenue, New York, NY 10065, USA

Dr. Velma Ganga Reddy

College of Pharmacy, The University of Arizona, Tucson, AZ 85721, USA

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Message from the Guest Editors

Altering enzyme activity has profound biological and medicinal effects; thus, enzyme inhibitors enable the selective inhibition of essential pathogenic enzymes (acting as antibiotics, antivirals, or antiparasitic agents) or of aberrant human enzymes (correcting for a pathological condition). Enzyme inhibitors may bind irreversibly (through covalent bonding) or reversibly (through non-covalent bonding), but in either case, drawbacks to the inherent mechanism of action must be considered, adding additional barriers to the development of viable inhibitors. This Special Issue pays homage to the drug discovery progress of inhibitors, which requires exceptional dedication, skill, and creativity.

For this Special Issue, we welcome papers that highlight the development and biological evaluation of organic compounds (this can be addressed from several sub-disciplines, including medicinal chemistry, total synthesis, natural product chemistry, and computational chemistry).





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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

Message from the Editor-in-Chief

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Molecules Editorial Office
MDPI, St. Alban-Anlage 66
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