



Analysis and Pharmacological Evaluation of New Synthetic and Natural Molecules in Drug Discovery

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Message from the Guest Editors

New drugs are required continuously as the disease-causing vectors are continuing to evolve and become resistant to the existing drugs posing new challenges to human beings. Different sources of lead compounds include computer-aided drug design, synthesis in laboratory and natural products followed by optimization to achieve new molecules as future drug candidates. These new chemical entities have the potential to become therapeutic agents and they might be of value in the treatment of disease conditions with unmet medical needs.

This Special Issue aims to publish research and review articles related to the synthesis of new chemical entities, as well as isolation, purification and characterization of natural bioactive compounds and their pharmacological evaluation against various diseases. We invite high-quality manuscripts for submission to the Special Issue from experts around the globe dealing with drug discovery for various infectious and non-infectious diseases. Topics will include but not limited to synthesis of novel heterocyclic compounds, molecular modeling, screening of natural sources, analytical and bioanalytical method development, etc.





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Editor-in-Chief

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Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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