

Special Issue

Computational Approaches in the Discovery and Design of Antimicrobial Drugs

Message from the Guest Editors

There is currently an ongoing need for multidisciplinary collaborations in molecular science between experimentalists and theoretical scientists from different fields. One of the more important forces driving this necessity is the accumulation of large amounts of data in the form of results of important advances in cheminformatics. Computational modelling is becoming increasingly important in biomedical research for understanding how biomolecules interact. Regarding their applications in medicine, computational methods are fundamental for the discovery of drugs due to their multiple uses in the collection, processing, analysis, and modelling of data. Drug design is a multi-objective process in which various characteristics, such as efficacy, pharmacokinetics, and safety, are optimized.

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Deadline for manuscript submissions

closed (30 May 2025)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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