

## Special Issue

# Synthetic and Natural Drugs: Pharmacological Activity, Biochemical Properties, and Applications

### Message from the Guest Editors

In this Special Issue, we invite submissions that explore both synthetic and natural drugs, focusing on their pharmacological actions, biochemical interactions, and clinical potential. Topics of interest include but are not limited to the following:

- Development of new synthetic drug candidates with enhanced efficacy and safety profiles;
- Pharmacological activities of natural products and their potential therapeutic applications;
- Mechanisms of action at the cellular and molecular level;
- Advances in drug design and discovery using structure-based and computational approaches;
- Biochemical properties of drug compounds affecting absorption, distribution, metabolism, and excretion (ADME);
- Drug resistance mechanisms and strategies to overcome them;
- Synergistic effects of combination therapies involving synthetic and/or natural drugs;
- Case studies on drug application in treating specific diseases;
- Challenges and opportunities in translating drug candidates from preclinical to clinical settings;
- Comparative studies on the efficacy and safety of synthetic versus natural drugs.

We look forward to receiving your valuable contributions.

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### Guest Editors

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### Deadline for manuscript submissions

30 May 2026



## Applied Sciences

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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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### Editor-in-Chief

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