

## Special Issue

# Pharmacology and Toxicology of Synthetic and Natural Products

### Message from the Guest Editor

The field of pharmacology and toxicology is dedicated to understanding how various substances interact with biological systems, assessing both their therapeutic benefits and potential risks. In recent years, growing interest in the comparative study of synthetic and natural products has emerged, fueled by the increasing popularity of natural remedies and the ongoing development of synthetic drugs. Both categories offer unique advantages and challenges: natural products are often perceived as safer due to their origin, while synthetic drugs are designed for specific therapeutic targets. However, both can have complex effects on the human body, requiring thorough investigations of their pharmacodynamics and toxicological profiles. This Special Issue on "Pharmacology and Toxicology of Synthetic and Natural Products" delves into the intricate mechanisms of action, therapeutic potential, and safety profiles of these compounds. Through this collection, readers will gain a deeper understanding of the dynamic and often complex relationships between synthetic and natural compounds, enhancing their knowledge of how these products can be used safely and effectively in modern medicine.

### Guest Editor

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