

Special Issue

Natural Compounds Applications in Drug Discovery and Development

Message from the Guest Editors

Nature is a valuable source for development and design of drug-lead compounds that could significantly impact the treatment of serious diseases, enhancing general health and wellbeing. Herbal systems play a fundamental role in healthcare, as 60% of chemotherapeutic agents are derived from natural sources. The emergence of cutting-edge technologies and methods that improve the drug design process has provided new ways of processing complex natural products, using their structures to develop new and innovative drug candidates with reduced side-effects. In this Special Issue of *Processes*, we aim to summarize the current trends in drug discovery and development, while reporting the latest applications of natural products to combat current and future health challenges, as well as strategies and computational approaches that facilitate the design of new and innovative drugs with greater accuracy, low costs, and high efficiency using natural sources. **Keywords**

- natural products
- drug discovery and development
- global health challenges
- computational methods
- drug repurposing

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