

Special Issue

Natural and Synthetic Pharmaceutical Ingredients: Physico-Chemical Characterization and Drug Development

Message from the Guest Editors

It is our great pleasure to invite you to submit a manuscript to a Special Issue of Applied Sciences entitled Physicochemical characterization of natural and synthetic pharmaceutical ingredients and drug development. An important step in the development of pharmaceutical products is their physicochemical and pharmacotechnical characterization. The utilization of medicinal plants and biopolymers has been intensively investigated and developed in the biomedical and pharmaceutical fields. Therefore, this Special Issue aims to present advances in the study of pharmaceutical products and drug development, the chemical composition and biological activity of medicinal plants and natural products, and their physicochemical evaluation using Fourier transform infrared spectroscopy (FTIR), X-ray diffraction (XRD), scanning electron microscopy (SEM), and thermal analysis methods. Theoretical and experimental contributions in the form of full-length research articles, review manuscripts, and short communications are welcome. We welcome and look forward to your submissions. https://www.mdpi.com/journal/applsci/special_issues/natural_synthetic_pharmaceutical_ingredients

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Deadline for manuscript submissions

closed (31 July 2025)



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About the Journal

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.

Editor-in-Chief

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