



Antifungal Compounds - Natural and Synthetic Approaches

Guest Editors:

Prof. Dr. Robert Ancuceanu

Faculty of Pharmacy, Carol Davila
University of Medicine and
Pharmacy, 020956 Bucharest,
Romania

**Prof. Dr. Cristina Elena Dinu-
Pirvu**

Department of Physical and
Colloidal Chemistry, Faculty of
Pharmacy, Carol Davila
University of Medicine and
Pharmacy Bucharest, 6 Traian
Vuia Str., 020956 Bucharest,
Romania

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Message from the Guest Editors

Dear Colleagues,

Although fungi tend to be opportunists, targeting only a fraction of the human population, fungal infections may have a serious clinical impact. As for bacteria, the widespread use of antifungal medicinal products has selected in time resistant pathogens. Fungal resistance to therapeutic agents is part of the larger phenomenon of microbial resistance. The small number of antifungal classes and the emergence of multidrug-resistant strains is particularly worrying. New compounds with known mechanisms of action may provide better or different safety profiles or improved pharmacokinetic profiles. Many plant extracts and natural pure compounds have been tested against a variety of fungal species, with different results and they may represent an alternative pathway leading to clinical development of novel antifungal medicinal products. Papers exploring antifungal development, particularly antifungal screening, antifungal target identification, molecular mechanisms involved in efficacy or safety aspects, physicochemical properties, and structure-activity relationships, will be considered for this Special Issue.





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Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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