

Tentative Outline

Special Thematic Issue for Current Medicinal Chemistry

Nutraceuticals: from basic research to clinical evidence

Guest Editor: Prof. Domenico Trombetta

- **Aims & Scope:**

The nutraceutical market is growing significantly and competing with pharmaceuticals for the same market value, for a few years already. The objective of this thematic issue is to collect reviews from experts who review the available scientific literature on some nutraceuticals of interest that have been translationally studied from basic research to clinical application, critically analyzing the scientific results. This thematic issue will address various aspects of Nutraceuticals including historical perspective, traditional knowledge base, analytical assessments, green processing and possible clinical applications. The series will be very useful not only for researchers and academics, but will also be a useful reference for industries.

Keywords: nutraceutical, clinical application, analytical assessments, green processing, pharmaceuticals.

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Nutraceutical and translational research

Tentative titles of the articles and list of contributors:

Dr. Filomena Nazzaro

Institute of Food Sciences, CNR-ISA, Italian National Research Council, Avellino, Italy.

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Title: "Honey: a food with multiple functional properties".

Dr. Anna Alisi

Research Unit of Molecular Genetics of Complex Phenotypes, Bambino Gesù Childrens Hospital, IRCCS Rome, Italy.

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Title: "Natural polyphenols: action and mechanisms in prevention and treatment of NAFLD".

Prof. Michele Navarra

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Italy

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Title: "Citrus flavonoids in autoimmune diseases".

Prof. Maria Teresa Sciortino

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Messina, Italy

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Title: "Efficacy of natural biomolecules in the viruses-associated neurological disorders"

5. Prof. Laura Di Renzo

Section of Clinical Nutrition and Nutrigenomics, Department of Biomedicine and Prevention, University of Rome Tor Vergata, Via Montpellier 1, 00133 Rome,

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Italy. – H-index 32 - Title: "Role of nutraceutical in immunonutrition: an umbrella review".

Prof. Domenico Trombetta,

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Italy.

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Title: "In vitro and in vivo efficacy of nutraceuticals in the treatment of inflammatory bowel disease".

7. Prof. Giacinto Bagetta

Pharmacotechnology Documentation and Transfer Unit, Preclinical and Translational Pharmacology, Department of Pharmacy, Health and Nutritional Sciences, University of Calabria, 87036 Rende, Italy.

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Title: He is available but waiting the tentative title yet.

8. Prof. Davide Barreca

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Messina, Italy.

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Title: "Phloretin and its derivatives: an update on biological potentials and applications"

9. Prof. Bruno Burlando

Biophysics Institute, National Research Council (CNR), Genova, Italy; Department of Pharmacy (DIFAR), University of Genova, Genova, Italy.

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Title: "Nutraceutical potentials of cold-climate berries rich in ellagitannins".

10. Prof. Gioacchino Calapai

Department of Biomedical and Dental Sciences and Morphofunctional Imaging, University of Messina, 98125 Messina, Italy.

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Title: "Cannabidiol as a nutraceutical in sport performance: a narrative review".

Schedule:

✧ Thematic issue submission deadline: 30 September 2021

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