

Special Issue

Nutraceuticals for Treatment of Inflammatory Bowel Disease (IBD)

Message from the Guest Editors

Inflammatory bowel disease (IBD) is a chronic inflammatory disease of the gastrointestinal tract. Over the past 10 years, many studies amply demonstrate that nutraceuticals could be used in the prevention and treatment of IBD and sought better alternative or supplementary treatment methods for IBD patients. Furthermore, nutraceuticals regulate intestinal immune homeostasis and improve intestinal barrier function. For example, the therapeutic effects of polyphenols in IBD include a reduction in local oxidative stress, the regulation of NF- κ B and mitogen-activated protein kinase (MAPK) signaling pathways, and the downregulated secretion of inflammatory factors such as TNF- α and IL-8. Furthermore, the therapeutic effect of resveratrol on IBD was attributed to reducing oxidative stress, inhibiting the activation of NF- κ B, and reducing proinflammatory cytokines and prostaglandins. Therefore, it is favourable to verify the usefulness of nutraceuticals in order to promote the intestinal microbiota as the first line of prevention and ensure a fair balance between the populations of microorganisms that inhabit the human gastrointestinal tract.

Guest Editors

Prof. Dr. Roberto Castiglione

1. Department of Medical, Surgical Sciences and Advanced Technologies "GF Ingrassia", University of Catania, 95123 Catania, Italy
2. Department of Clinical and Experimental Medicine, University of Messina, 98124 Messina, Italy

Dr. Paola Checconi

Department of Human Sciences and Promotion of the Quality of the Life, San Raffaele University, 00166 Roma, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

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Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (UIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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