

Special Issue

Prebiotic Diet: Other Dietary Molecules Implicated in Gut Microbiota Health

Message from the Guest Editors

In 2016, the International Scientific Association for Probiotics and Prebiotics (ISAPP) provided a new definition of a prebiotic as 'a substrate that is selectively utilized by host microorganisms conferring a health benefit'. Moreover, they added polyunsaturated fatty acids and the phenolics/phytochemicals among the 'candidate' prebiotics and pointing out that further studies are needed. It is not to be excluded that there may be dietary molecules that could play a fundamental role in promoting the commensal bacteria viability and metabolic activity, and conferring health benefits to the host, even though they are not substrates for them, and instead other dietary molecules that interrupt or inhibit these metabolic activities. With this premise in mind, the present Special Issue aims to collect papers concerning the investigation of the unconventional actions of dietary molecules (other than carbohydrate substances), or whole foods containing them, as positive or negative regulators of the commensal gut microbiota, in order to outline what can be defined as the 'correct prebiotic diet'.

Guest Editors

Dr. Lara Costantini

Department of Ecological and Biological Sciences (DEB), Tuscia University, Largo dell'Università snc, 01100 Viterbo, Italy

Dr. Emanuele Rinninella

1. Research and Training Center in Human Nutrition, Catholic University of Sacred Heart, 00168 Rome, Italy
2. Clinical Nutrition Unit, Fondazione Policlinico Universitario A. Gemelli, IRCCS, 00168 Rome, Italy

Deadline for manuscript submissions

closed (20 December 2022)



Foods

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 7.4
Indexed in PubMed



mdpi.com/si/81364

Foods

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

[mdpi.com/journal/
foods](https://mdpi.com/journal/foods)





Foods

an Open Access Journal
by MDPI

Impact Factor 4.7
CiteScore 7.4
Indexed in PubMed



[mdpi.com/journal/
foods](https://mdpi.com/journal/foods)



About the Journal

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN, USA
2. Department of Comparative Pathobiology (Courtesy), Purdue University, West Lafayette, IN, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, AGRIS, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2024).