

Special Issue

Baby Food and its Future Potential

Message from the Guest Editors

A mother's own milk is the first choice for improving the short- and long-term outcomes for all neonates. When a mother's own milk is unavailable or in short supply—a common occurrence in Neonatal Intensive Care Units'—WHO recommends the use of donor milk, as the best alternative. Attention of both academic and industry is being directed towards the formulation of next generation human milk substitutes, also by selecting nutrient sources able to mimic the bioactivity of human milk. Efforts are being made for improving the quality of infant food by incorporating functional ingredients to support the immune system. Mild and innovative processing technologies are under evaluation as a tool to preserve ingredients functionality, extend food shelf-life and reduce process contaminants deriving from excessive heat treatments.

In this Special Issue, we invite papers on all aspects relevant to human milk quality, formula milk quality, tailored and functional infant food ingredients, new approaches for infant food manufacturing.

Keywords: human milk; infant formula milk; human milk mimicking ingredients; functional ingredients; infant food manufacturing

Guest Editors

Dr. Laura Cavallarin

Italian National Research Council | CNR · Institute of Sciences of Food Production

Dr. Marzia Giribaldi

Italian National Research Council | CNR · Institute of Sciences of Food Production
Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria | CREA · Centro di ricerca in ingegneria e trasformazioni agroalimentari

Deadline for manuscript submissions

closed (30 April 2019)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/13041

Foods
Editorial Office
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 5.1
CiteScore 8.7
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 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, 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 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).