

## Special Issue

# Exploration of Milk and Dairy Products: Sensory, Physicochemical Characteristics and Processing Technologies

### Message from the Guest Editors

The dairy industry is facing new challenges, aiming to meet consumers' evolving expectations (food with higher quality standards, safety, and sustainability). To reach their needs, researchers must focus on i) intrinsic biodiversity of milk and cheeses; ii) high variety of the technological processes; and iii) replacing synthetic ingredients with natural ones (i.e., also considering by-product valorization for the circular economy). This adaptability facilitates the development of products that align more closely with consumer preferences while ensuring higher safety standards and embracing environmentally sustainable practices in line with the European Green Deal principles. Some innovation in this sector focuses on reducing fat content, replacing synthetic additives with natural ingredients, and enhancing the compositional profile to offer nutritionally balanced products—all without compromising the distinctive sensory attributes that make dairy products widely appreciated. This evolving landscape presents challenges and opportunities for researchers, calling for novel scientific insights and technological advancements to shape the future of dairy production.

### Guest Editors

Dr. Giuseppe Natrella

Department of Soil, Plant and Food Sciences, University of Bari, Via Amendola 165/A, 70126 Bari, Italy

Prof. Dr. Michele Faccia

Department of Soil, Plant and Food Sciences, University of Bari, Via Amendola 165/A, 70126 Bari, Italy

### Deadline for manuscript submissions

closed (5 April 2026)



## Foods

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*Foods*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[foods@mdpi.com](mailto:foods@mdpi.com)

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### 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

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