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Composition, Stability and Properties Research of Food Emulsions and Foams

Guest Editors:

Prof. Dr. Thomas A. Vilgis

Max Planck Institute for Polymer
Research, Mainz, Germany

Dr. Trivikram Nallamilli

Max-Planck-Institute for Polymer
Research

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Message from the Guest Editors

Emulsions and foams are among the most fundamental systems in soft matter food science. Foods are generally surface and interface driven "materials" and many food-related basic properties, such as mouthfeel, texture, taste, and aroma release, are determined by their structural properties, such as droplet size, viscosity of the continuous phase and the scale dependent competing interactions between hydrophobic and hydrophilic components. In this Special Issue, we would like to cover the entire range of aspects from fundamental theoretical, physical, chemical properties and applications in edible emulsions/foams. Aspects such as rheology and microstructure of food emulsions and foams and their importance in mouth feel, texture and flavour release properties are considered. Novel methods of stabilizing emulsions like Bijels, Emulgels, and protein/polysaccharide based fluidgel-emulsions, Pickering emulsions and foams will be considered. Novel techniques of preparation and characterization are also invited. Furthermore, theoretical considerations, simulations and model systems as applied to food systems are definitely welcome.



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Special Issue



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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

Message from the Editor-in-Chief

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Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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