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## Recombinant Proteins for Food Applications

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Deadline for manuscript submissions:

**closed (20 October 2023)**

### Message from the Guest Editors

Advances in biotechnology and genetic engineering are increasingly being applied in the context of food production to produce animal proteins, often referred to as "recombinant proteins" or "alternative proteins". Recombinant protein technology involves the creation and insertion of specific DNA sequences into non-animal cells (e.g., plants, yeast, fungi, or bacteria). Major challenges include the optimisation of the production processes, the improvement of product quality, safety, and increasing product diversity. This Special Issue invites reviews, opinion articles, and original research articles in the following areas: Precision fermentation technologies (e.g., recombinant protein expression in microbial and yeast systems, plant cells, and mammalian cells); The isolation/purification and characterisation of expressed proteins; The functionality of fermentation-produced milk proteins, egg proteins, enzymes, etc.; The formulation and manufacture of food products containing recombinant proteins; Cell culture technologies for animal food production (e.g., cultured meats); Sensory, consumer, and regulatory aspects of recombinant food proteins.



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**Special** Issue



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## Message from the Editor-in-Chief

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