

Special Issue

Ground Meat and Ground Meat Products: Microbiological Safety, Raw Material and Process Engineering

Message from the Guest Editor

Ground beef is a very popular product in the meat industry, in both food service and retail. In recent years, microbiological safety of ground beef products using various components making these products safer has been an important research focus. Other research topics include the effects of cooking state (frozen vs. thawed), final temperature, and cooling after cooking on the color of ground beef patties. Consumer interest in ground meat products, especially hamburgers, remains high because they are easy to prepare. Mechanical mincing of meat cells leads to cell disintegration and increased cooking loss during heating. In addition, process contaminants such as heterocyclic amines are formed during heat treatment of beef patties. Their formation and methods to prevent them should be investigated in further studies. The objective of this Special Issue is to provide an overview of microbiological safety, sensory and nutritional quality, raw material, formation of process contaminants, and process technologies with different production methods, and different final cooking methods of meat patties.

Guest Editor

Prof. Dr. Monika Gibis

Department of Food Material Science, Institute of Food Science and Biotechnology, University of Hohenheim, 70593 Stuttgart, Germany

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Applied Sciences
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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