Special Issue

Advances in Meat Quality and Processing

Message from the Guest Editors

Meat quality determines the eating experience of consumers in terms of sensory quality and nutritional value, while also determining qualities such as food safety, animal welfare, and technological quality, with the latter being especially important in terms of further meat processing. Traditional meat processing methods include heating, drying, smoking, salting, curing, fermentation, etc. New technologies include high-pressure treatment, shockwave technology, pulsed electric field, ohmic heating, cold plasma, ultrasound processing, electrical stimulation, and others. New technologies may help to improve food safety while often being more gentle than traditional meat processing methods. Furthermore, many of the new technologies may be considered green technologies, thus improving the sustainability of meat processing. The applications of new technologies also include new product development. However, drawbacks of the new technologies include their initial costs, and potentially unwanted chemical reactions.

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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.

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