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Recent Advances in OMICs Technologies and Application for Ensuring Meat Quality, Safety and Authenticity

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submissions:

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Message from the Guest Editors

Sophisticated “-OMICs” technologies—genomics, transcriptomics, proteomics, peptidomics, metabolomics, and lipidomics—are a novelty in food sciences, and were successfully implemented to address meat-quality issues.

In this Special Issue, we invite authors to submit research or review papers on the application of OMICs tools to characterize the quality of meat products; the applications of OMICs for the evaluation of the risk assessment of meat products; and the use of foodomics to determine the foodstuff molecular profile of meat and meat products in the light of an improvement of human nutrition. This Special Issue also seeks to provide a fundamental understanding of the nutritional, sensory, and physical properties of meat products using the latest applications of OMICs in meat science to identify biomarkers. Papers dealing with the application of OMICs as innovative tools to characterize the safety and the authenticity of meat products are also welcomed. We are also interested and encourage papers that address the application of OMICs to assess the fundamental pathways and biochemical processes driving the final quality of meat products.



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Special Issue



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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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