# Special Issue

# Antibiotic Resistance from Farm-to-Fork: Prevention and Containment

## Message from the Guest Editors

The farm-to-fork continuum has been highlighted as a possible reservoir of antimicrobial resistance, and as a hotspot for the emergence and spread of AMR. Antibiotic resistance is a complex phenomenon involving several resistance mechanisms and different bacterial species and genera, in the most diverse environments. Horizontal gene transfer is believed to be one of the most important issues allowing bacteria to exchange their genetic materials among diverse species, greatly fostering collaboration among bacterial population in MDR development. The extent of the role of the use of antibiotics as well as non-antibiotic antimicrobials, the exploiting of new food processing methods, based on novel food safety approaches and/or the application of conventional and innovative food stressors as selective factors still needs to be clarified. Recently, thanks to advances in 'omics' technologies combined to analytical tools, innovative breakthroughs in genome sequencing have been achieved. Omics technologies provided key insight into processes related to bacterial physiology, virulence and stress appearing as promising in the fight to overcome drug resistance.

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## Deadline for manuscript submissions

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*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.

## Editor-in-Chief

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