

Special Issue

State-of-Art of Microbial Concerns in Food Safety

Message from the Guest Editors

The microbiological quality of food remains an essential factor for industrialists and consumers, as foodborne diseases are still an important cause for morbidity and mortality. Even though most of the foodborne pathogens' biology is well known, all the mechanisms that allow them to adapt and survive in different environmental conditions are not well understood yet. In order to improve our knowledge on the diffusion of pathogens and for the future development of new and more efficient sanitation/preservation strategies, studies on foodborne diseases and causative agents are still necessary and include many areas of interest: 1) Epidemiology and new characterization methods of old and emerging foodborne pathogens; 2) Interaction between foodborne pathogens and producing environments; 3) Study on infections transmissible directly or indirectly between animals and humans (zoonosis); 4) Role of ready-to-eat food in the diffusion of foodborne diseases; 5) Emergence of multidrug-resistant pathogens in the food production chain; 6) Newer and "greener" strategies in the control of food contamination.

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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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