



Artificial Neural Network (ANN) Based Prediction System in Foods

Guest Editor:

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Message from the Guest Editor

The last decade has been a time of technological progress and the development and popularity of artificial intelligence. Thanks to the development of intelligent machines and intelligent systems, it is possible to use data for structured and interrelated predictions, classification through the use of a supporting image analysis, consideration of the presence of specific objects, matching patterns, information analysis, filtering signals by extracting characteristic features from images and process optimization. Currently, the cooperation of research centers with the industry poses new challenges to science. Considering research problems regarding food with the use of artificial intelligence, it becomes necessary to choose the correct implementation of a given functionality, an adequate analysis of model errors, attempts to solve problems with data purity, as well as the ability to verify results, guaranteeing the appropriate quality of the product. This Special Issue aims to focus on the application of machine and deep learning methods and data analyses and their implementation, especially in the quality, storage and preservation of food.





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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.

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