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# New Trends in Environmental Engineering, Agriculture, Food Production, and Analysis

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## **Message from the Guest Editors**

Dear Colleagues,

This Special Issue will present the latest advances in aguaculture, food agriculture, technology and environmental engineering, discussing, among others, the following issues: new technologies in water and wastewater treatment: new sludge and waste management systems; the role of technological processes to improve food quality and safety; new trends in the analysis of food and food components including in vitro, in vivo, and in silico analyses; and functional and structural aspects of bioactivities of food molecules.

Prof. Wojciech Janczukowicz Prof. Joanna Rodziewicz Prof. Anna Iwaniak *Guest Editors* 

Keywords

- agriculture and aquaculture
- food quality and safety
- food analysis
- food research trends
- irrigation and fertilization
- water and wastewater management
- waste and energy management
- environment protection
- environmental impact

**Special**sue

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## **Editor-in-Chief**

#### Message from the Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo** Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy 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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