

Special Issue

Novel Electrochemical Sensor Technologies Applied to Food Quantitation and Detection

Message from the Guest Editors

Global food safety is a rising concern, requiring prompt, precise, and efficient detection technology. Electrochemical sensor technologies have evolved as effective instruments for the precise detection of pollutants, poisons, and minerals in food products.

This Special Issue seeks to summarize recent breakthroughs in electrochemical sensing technologies for food analysis, emphasizing unique methodologies, problems, and future outlooks. We aim to solicit submissions that investigate innovative sensor designs, integration with artificial intelligence, miniaturization, and practical applications in food safety and quality control.

Topics of interest:

The electrochemical detection and quantification of microbial contaminants in food.

The development of biopolymer hydrogel-modified sensors for food quality monitoring.

The development of inorganic–organic nanocomposite-fabricated sensors for food quality monitoring.

The electrochemical detection and quantification of food contaminants, including pesticides, drugs, and toxic elements.

Guest Editors

Dr. Krishnapandi Alagumalai

School of Chemical Engineering, Yeungnam University, Gyeongsang 38541, Republic of Korea

Dr. Subash Vetri Selvi

Institute of Atomic Molecular Science, Academia Sinica, Taipei 106, Taiwan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
foods@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

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