



Innovative Techniques for the Determination of Metals and Metalloids in Food Samples for Safety, Quality and Authentication Purpose

Guest Editor:

Dr. Agnese Giacomino

Department of Pharmaceutical
Science and Technology,
University of Torino, 10125
Torino, Italy

Deadline for manuscript
submissions:

closed (30 July 2020)

Message from the Guest Editor

Dear Colleagues,

Elements can be classified as potentially toxic (e.g., arsenic, cadmium, lead, etc.), probably essential (e.g., vanadium, cobalt) and essential (e.g., copper, zinc, iron, manganese, etc.). Toxic elements can be very harmful even at low concentration when ingested over a long period of time. The essential metals can also produce toxic effects when the metal intake is excessively elevated. It is necessary to assess the levels of heavy metals in food and to report possible contamination that would represent a health hazard. Food consumption had been identified as the major pathway of human exposure to arsenic and toxic metals, compared with other exposure routes such as inhalation and dermal contact. The presence of metals in food may be due to different factors: natural contamination, introduction of the metals during the refining process, and contact with the storage material. Some of these metals may be harmful if present in the final product, even at low concentrations.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health
Disparities Research and
Innovation, Richard N. Dixon
Research Center, Morgan State
University, Baltimore, MD 21251,
USA

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Public Health, Environmental and Occupational Health)

Contact Us

*International Journal of
Environmental Research and Public
Health* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijerph
ijerph@mdpi.com
X@IJERPH_MDPI