

## Special Issue Call for Papers

### “Metrological Aspects in the Analysis of Nutrients, Functional Compounds, Additives and Contaminants in Food and Feed”

We now announce the forthcoming special issue: “**Metrological Aspects in the Analysis of Nutrients, Functional Compounds, Additives and Contaminants in Food and Feed**”

([https://www.explorationpub.com/Journals/eff/Special\\_Issues/245](https://www.explorationpub.com/Journals/eff/Special_Issues/245)), edited by **Prof. Maria Z.**

**Tsimidou, Prof. Nives Ogrinc and Dr. Claudia Zoani.** We welcome your submissions to this upcoming special issue.



Open Exploration

**Exploration of Foods and Foodomics**

**Guest Editors**

Maria Z. Tsimidou    Nives Ogrinc    Claudia Zoani

**Metrological Aspects in the Analysis of Nutrients, Functional Compounds, Additives and Contaminants in Food and Feed**

<https://www.explorationpub.com/Journals/eff>

Dear Colleagues,

We accepted with pleasure the invitation made by Prof. Alejandro Cifuentes and Prof. Elena Ibáñez to be the guest editors of a Special Issue for the open access, bimonthly published and multidisciplinary journal *Exploration of Foods and Foodomics* that aims at publishing papers of the highest quality and significance in all areas of Foodomics.

We know and collaborate with each other for many years within (and beyond) the frame of METROFOOD-RI, the European Research Infrastructure that set as a priority the high – level metrology services in food and nutrition for the enhancement of food quality and safety. Our common code in scientific actions is to support the practical realisation of the “One Health” approach in foo(ee)d analysis in the whole agroecosystem and in the whole food chain. We fully acknowledge the complexity of foo(ee)d systems in terms of their physical, chemical, nutritional, biological composition and properties and, thus, all aspects in foo(ee)d analysis are welcome.

The thematic area proposed is related to the everyday concern of each food and feed analyst as to how confidence in the analytical data produced in accredited and non-accredited laboratories is secured. Metrology represents the essential basis to make data reliable, providing objectivity and impartiality, supporting harmonisation, and ensuring the comparability of measurement results including reference material production and characterization. Its application to foo(ee)d and nutrition represents an engine to promote research and innovation, infrastructures’ operation, technology advancements, cooperation in global trade, economy and strengthening citizen trust. The application of metrological concepts is essential also with reference to digitalisation and digital transformation when measurements are involved.

New methods, new instrumentation, new materials, new software demand a continuous updating of analytical protocols for an easier and trustful data production and communication. Non-targeted and

targeted analytical protocols present different characteristics that have to be addressed from the metrological point of view. Automation, device development and application are ongoing challenging areas of analytical practice that has to also adopt metrological aspects. Data transferability and building of data banks point out to metrology as a prerequisite.

**NO-APC (Article Process Charge) policy applies**, so authors do not need to pay any fee during the whole process.

The deadline of manuscript submission (review articles, original research, short communication, viewpoints) is **the 31st of January 2024**.

To submit to the special issue, you will enjoy the following benefits:

- ★ Open access to published content
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- ★ Get your paper indexed in PMC if it is supported by Europe PMC or NIH

Please acknowledge that all submitted papers will go through a strict peer review process, same as regular papers. Acceptance of any paper is subject to final decision of Academic Editor.

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### Guest Editor

**Prof. Maria Z. Tsimidou** [tsimidou@chem.auth.gr](mailto:tsimidou@chem.auth.gr)

Professor Emerita of Food Chemistry, Aristotle University of Thessaloniki, Thessaloniki, Greece

Research Keywords: nutrients; functional compounds; foo(ee)d additives; method validation; metabolomics

**Prof. Nives Ogrinc** [nives.ogrinc@ijs.si](mailto:nives.ogrinc@ijs.si)

Professor of Ecotechnology, Jožef Stefan International Postgraduate School and Jožef Stefan Institute, Ljubljana, Slovenia

Research Keywords: stable isotopes; trace and toxic element analysis and speciation; volatile organic compounds; metrology

**Dr. Claudia Zoani** [claudia.zoani@enea.it](mailto:claudia.zoani@enea.it)

Coordinator of METROFOOD-RI, Researcher ENEA, C.R. Casaccia, Rome - Italy

Research Keywords: elemental analysis; emerging contaminants; metrology; research infrastructures; reference materials

### Submission Information

**Submission Deadline: January 31st, 2024**

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