



*toxics*



an Open Access Journal by MDPI

## Wastewater-Based Epidemiology Biomarkers: Analysis, Occurrence and Fate in Wastewater

Guest Editors:

**Dr. Nikolaos I. Rousis**

1) Laboratory of Analytical Chemistry, Department of Chemistry, National and Kapodistrian University of Athens, Panepistimiopolis Zografou, 15771 Athens, Greece;  
2) Queensland Alliance for Environmental Health Sciences (QAEHS), The University of Queensland, 20 Cornwall Street, Woolloongabba, QLD 4102, Australia

**Prof. Dr. Nikolaos S. Thomaidis**

Laboratory of Analytical Chemistry, Department of Chemistry, University of Athens, Panepistimiopolis Zografou, 157 71 Athens, Greece

### Message from the Guest Editors

Wastewater-based epidemiology (WBE) has developed into an innovative approach able to provide epidemiological and socio-economic information about lifestyle habits, substance use, exposure to toxicants present in the environment and food, as well as public health and wellbeing. WBE is based on the chemical analysis of specific human urinary excretion products (biomarkers) in untreated wastewater as indicators of consumption, providing crucial data on the activity of the population served by the specific wastewater treatment plant. It can provide crucial information about public health that can be of interest for policy-making and national and international organizations and committees. In the future, WBE could serve as an “early warning system” to help the authorities to prevent the spread of epidemics and make effective interventions on use of illicit substances.

Deadline for manuscript submissions:

**closed (20 November 2021)**



[mdpi.com/si/68569](https://mdpi.com/si/68569)

**Special** Issue



# toxics



an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Demetrio Raldúa

Department Environmental  
Chemistry, IDAEA-CSIC, Jordi  
Girona 18, 08034 Barcelona,  
Spain

## Message from the Editor-in-Chief

*Toxics* (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

## Author Benefits

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

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (Toxicology) / CiteScore - Q2 (*Chemical Health and Safety*)

## Contact Us

---

*Toxics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/toxics](http://mdpi.com/journal/toxics)  
[toxics@mdpi.com](mailto:toxics@mdpi.com)  
[X@@Toxics\\_MDPI](#)