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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.

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Editor-in-Chief

Dr. Demetrio Raldúa

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

Message from the Editor-in-Chief

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Toxics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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