

Special Issue

Monitoring of Illicit Drugs and Pharmaceuticals Wastewater: Latest Advances and Prospects

Message from the Guest Editors

Based on the systematic monitoring of wastewater for selected compounds/biomarkers, the so-called epidemiology of wastewater is currently established, with the task of using the collected data to provide a comprehensive overview of the consumption of legal and illegal or new types of drugs. The epidemiology of wastewater can also be used to monitor the occurrence of new psychoactive substances (NPS) or changes in drug scene in different regions during the lockdown. The wastewater treatment system is currently unable to effectively eliminate the occurrence of select illicit drugs and pharmaceuticals, which causes their transfer into the aquatic ecosystem. Therefore, the main subject of this Special Issue is the monitoring of selected micropollutants/biomarkers/RNA SARS-CoV-2 within the epidemiology of wastewater and the description of new technologies for wastewater treatment in order to eliminate the problem of specific micropollutants. This Special Issue seeks contributions from manuscripts that suggest new strategies and improve our understanding in the area of the monitoring, behavior and elimination of illicit drugs and pharmaceuticals present in wastewater.

Guest Editors

Dr. Tomáš Mackuľák

Department of Environmental Engineering (ICEE FCFT), Slovak University of Technology in Bratislava, Radlinského 9, 812 43 Bratislava, Slovakia

Dr. Miroslav Gál

Department of Inorganic Technology, Slovak University of Technology in Bratislava, Radlinského 9, 812 43 Bratislava, Slovakia

Deadline for manuscript submissions

closed (10 September 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/75746

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

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)