



toxics



an Open Access Journal by MDPI

Wildlife on Drugs: Impacts of Pharmaceutical Pollution on Aquatic Ecosystems

Guest Editors:

Dr. Vicki Marlatt

Department of Biological Sciences, Simon Fraser University, 8888 University Drive, Burnaby, BC V5A 1S6, Canada

Dr. Natacha Hogan

Toxicology Centre, University of Saskatchewan, Saskatoon, Saskatchewan S7N 5B3, Canada

Deadline for manuscript submissions:

closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

Pharmaceuticals have become contaminants of emerging concern with detection in water bodies worldwide. After consumption by humans, pharmaceuticals enter domestic wastewater systems and are typically not completely removed by the wastewater treatment plants. These contaminants are then discharged into water bodies and may be taken up by aquatic life. Pharmaceutical pollution is of particular concern because these chemicals are designed to be biologically active in humans at low levels, and these biological targets/systems are often conserved across vertebrate taxa. The adverse effects of these chemicals on aquatic wildlife are poorly understood, with few water quality standards and regulations in most jurisdictions. This Special Issue aims to provide information and recent studies investigating the exposure, effects and/or risks of pharmaceutical pollution on aquatic wildlife.



mdpi.com/si/55839

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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/toxics
toxics@mdpi.com
X@Toxics_MDPI