Special Issue

Diffuse Water Pollution Modeling, Monitoring and Mitigation

Message from the Guest Editor

Diffuse water pollution can be defined as pollution that is "weather-driven". As global efforts to reduce point source pollution have increased, the problem of diffuse pollution has emerged as a separate issue, requiring a very different set of mitigation tools. Weather-driven loads vary greatly over space and time. This makes monitoring of loads and identification of sources a challenge for instrumentation and data analysis. Apportionment of sources through modelling can help, but this presents challenges for both calibration and validation. The pollutants of concern include soluble and colloid-sorbed components, which influence public health, ecosystem function, and business viability. Targeted approaches to mitigation require the analysis of what will be cost-effective, and the polluter-pays principle does not easily lends itself to the regulation of diffuse pollution. Policy-makers need simple instruments effective in delivering water quality benefits to justify public expenditure. In short, the scientific and governance challenges facing those addressing this emerging issue are significant.

Guest Editor

Dr. Andy Vinten
The James Hutton Institute, Aberdeen, United Kingdom

Deadline for manuscript submissions

closed (30 September 2019)

International Journal of Environmental Research and Public Health

an Open Access Journal by MDPI

CiteScore 8.5
Indexed in PubMed

mdpi.com/si/22827

International Journal of Environmental Research and Public Health
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

mdpi.com/journal/ijerph

MDPI

International Journal of Environmental Research and Public Health

an Open Access Journal by MDPI

CiteScore 8.5
Indexed in PubMed

mdpi.com/journal/ijerph

MDPI

About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation, Richard N. Dixon Research Center, Morgan State University, Baltimore, MD 21251, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)