Special Issue

Transport and Cotransport of Colloids, Nanomaterials, PFAS, and Plastics in Porous Media

Message from the Guest Editors

The growing production and utilization of nanomaterials, plastics, and per- and polyfluoroalkyl substances (PFAS) has generated emerging contaminants in the environment, potentially posing a long-lasting threat to wildlife and human health. In the subsurface, these emerging contaminants can interact with each other, conventional contaminants, and other environmental components such as colloids and natural organic matter. The development of remedial technologies requires a fundamental understanding of their fate and (co)transport mechanisms in the subsurface. This Special Issue calls for research articles, reviews. Topics include but are not limited to the: (1) characterization of the interactions of colloids, nanomaterials, PFAS, and plastics with coexisting contaminants and surrounding environmental media; (2) fate, (co)transport, monitoring, and control of colloids, nanomaterials, PFAS, and plastics in the subsurface; (3) development of predictive tools and mathematical models based on the fundamental behaviors of colloids, nanomaterials, PFAS, and plastics; and (4) implications and applications of environmental nanotechnology for groundwater and soil remediation.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2022)

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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.

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