Special Issue

Effects of Environmental Pollutants on Neurodevelopment

Message from the Guest Editors

With the rapid development of the pharmaceutical industry, the incidence of infertility and preterm birth have risen sharply. In addition to congenital diseases, advanced-age maternal birth, social stress, and environmental factors are important influencing factors, including fine particular materials (PM2.5) of air pollution, environmental pollutants such as dimethylaniline (3,5 - DMA), and inflammatory factors (LPS). These affect conception, embryonic development, preterm birth, and congenital diseases. Previous studies have pointed out that LPS, 3,5-DMA, and PM2.5 affect fetal brain development, causing cortical stratification abnormalities and further affecting fetal behavioral expressions, such as memory and cognitive decline. This Special Issue aims to explore neuronal behavior alterations caused by and the molecular mechanisms involved in abnormal neurodevelopment caused by environmental pollutants. In addition, this Special Issue is focused on investigating whether there is a way to fight environmental factors so that the fetal brain can develop normally, as well as methods of protection of the subsequent development of neural function.

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Deadline for manuscript submissions

closed (31 July 2024)

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/179593

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About the Journal

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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