# **Special Issue**

# Organophosphate-Induced Neurotoxicity: Countermeasures, Mechanisms, and Physiology

## Message from the Guest Editor

Organophosphates (OPs) are comprised of diverse compounds that include commonly used pesticides, fire retardants, industrial chemicals, and chemical weapon. Acute and chronic exposures to OPs can elicit immediate, intermediate, and chronic effects on the nervous system, including potentially contibuting to the onset of neurodegenerative disorders. A variety of biochemical, cellular, and physiological manifestations have been detected following OP exposures in preclinical models and in affected patients, These include calcium dyshomeostasis, oxidative stress, neuroinflammation, excitotoxicity. Consequently, the goals of this special issue is to assemble a body a literature to coordinate the rapidly growing and diversifying research surrounding OP-induced neuropathology and the concurrent mechanisms of neurotoxicity and to encourage the investigation of potential countermeasures in reproducible models of OP-induced dysfunction in the central and peripheral nervous system.

#### Guest Editor

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### Deadline for manuscript submissions

closed (16 March 2024)



# **Toxics**

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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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