DESCRIPTION

Neurotoxicology and Teratology provides a forum for publishing new information regarding the effects of chemical and physical agents on the developing, adult or aging nervous system. In this context, the fields of neurotoxicology and teratology include studies of agent-induced alterations of nervous system function, with a focus on behavioral outcomes and their underlying physiological and neurochemical mechanisms. The Journal publishes original, peer-reviewed Research Reports of experimental, clinical, and epidemiological studies that address the neurotoxicity and/or functional teratology of pesticides, solvents, heavy metals, nanomaterials, organometals, industrial compounds, mixtures, drugs of abuse, pharmaceuticals, animal and plant toxins, atmospheric reaction products, and physical agents such as radiation and noise. These reports include traditional mammalian neurotoxicology experiments, human studies, studies using non-mammalian animal models, and mechanistic studies in vivo or in vitro. Special Issues, Reviews, Commentaries, Meeting Reports, and Symposium Papers provide timely updates on areas that have reached a critical point of synthesis, on aspects of a scientific field undergoing rapid change, or on areas that present special methodological or interpretive problems. Theoretical Articles address concepts and potential mechanisms underlying actions of agents of interest in the nervous system. The Journal also publishes Brief Communications that concisely describe a new method, technique, apparatus, or experimental result.

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Neurotoxicologists, neuroscientists, neurochemists, teratologists, clinical epidemiologists.

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