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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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AUDIENCE

Neurotoxicologists, neuroscientists, neurochemists, teratologists, clinical epidemiologists.

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INTRODUCTION

Neurotoxicology and Teratology presents original reports of systemic studies in the areas of adult neurotoxicology and developmental neurotoxicology in which the primary emphasis and theoretical context are on the nervous system and/or behavior.

Types of paper

The Journal publishes original, peer-reviewed studies that cover the developmental and adult neurotoxicity of pesticides, drugs of abuse, pharmaceuticals, solvents, heavy metals, organometals, general industrial-use compounds, marine and plant toxins, atmospheric reaction compounds, and physical agents such as radiation and noise. Neurotoxicology and Teratology also features Short Communications reserved for short reports that describe novel findings, techniques and approaches that can be conveyed fully and succinctly in 4 - 5 published pages. Studies with complex designs, multiple endpoints, and / or multiple experiments should be submitted as Full length Articles. Short Communications should be organized according to the guidelines described for regular articles, but will be limited to no more than 3 figures, tables or combination thereof, with a maximum of 4000 words, including text, tables, appendices and references. Invited Reviews and Discussion series provide a timely update on selected aspects of a scientific field undergoing rapid change or on areas that present special methodological or interpretive problems. Full-length review articles are also published.

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- The scientific question(s) addressed
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- Selection of subjects, sample sizes, apparatus, defined outcome measures
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