



toxics



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Neurotoxicity of Environmental Metal Toxicants

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Message from the Guest Editors

Dear Colleagues,

Environmental exposure to metallic neurotoxicants is a matter of growing concern, since it may have very significant consequences for human health, from impairing child neurodevelopment to the neurodegeneration processes involved in ageing.

This Special Issue will focus on the neurotoxicity 1) of well-established metallic environmental toxicants either in inorganic or in organometallic chemical forms and 2) of emerging metallic neurotoxicants such as high-technology metals, nanoparticles, or radioelements. For all these metallic compounds, the evaluation of the risks associated with their release in the environment, the speciation analysis in environmental and biological samples, and the definition of relevant biological models to assess neurotoxicity are important research objectives.

The aim of this Special Issue is to give a broad overview of the current work being performed in the field of the neurotoxicology of metallic contaminants, from the identification of emerging toxic compounds, to the assessment of environmental exposures and associated risks, to the description of the molecular mechanisms involved in neurotoxicity.



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Special Issue