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A special issue of *International Journal of Environmental Research and Public Health* (ISSN 1660-4601).

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Special Issue Editor

Guest Editor

Prof. Dr. Stephen C. Bondy

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Interests: neurotoxicology; nutrition; aging; protein aggregates

Special Issue Information

Dear Colleagues,

In the past environmental toxicology focused on the hazards of relatively high exposure of toxicants, generally involving limited targets such as those working in specialized occupations or living in unusual places. More recent directions have emphasized the consequences of extended low-level exposures to much broader and general populations. It is increasingly recognized that the rate of onset and progression of many age-related disease, especially those associated with nervous function, can be accelerated by environmental contaminants. Some prevalent neurological disorders associated with aging, are likely to be influenced by poorly understood environmental factors. This is especially so when they do not have a strong genetic basis and are idiopathic, such as Alzheimer's disease. In addition, some prevalent xenobiotic agents can impede developmental and maturational processes. This has been clearly shown in the case of very low levels of lead. Since such modifications of both ends of the life cycle represent merely an acceleration or retardation of ongoing normal events, they may be very difficult to identify. However, they can have serious societal consequences in view of the potential involvement of the entire population. This volume represents an attempt to delineate some of the subtle changes associated with the chronic presence of toxicants in the general environment.

Prof. Dr. Stephen C. Bondy

Guest Editor

Keywords

- toxicants
- neurological disease
- development
- aging
- population exposure

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by Syed F. Ali, Zbigniew K. Binienda and Syed Z. Imam

Int. J. Environ. Res. Public Health **2011**, *8*(12), 4702-4713; doi:10.3390/ijerph8124702

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Review: Is Neurodegenerative Disease a Long-Latency Response to Early-Life Genotoxin Exposure?

by Glen E. Kisby and Peter S. Spencer

Int. J. Environ. Res. Public Health **2011**, *8*(10), 3889-3921; doi:10.3390/ijerph8103889

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