Vanadium in the Environment, Part 2: Health Effects
Jerome O. Nriagu (Editor)

DESCRIPTION

Up-to-date coverage of vanadium research—in two accessible, self-contained volumes Vanadium in the Environment brings together the contributions of leading experts on the chemical and toxicological aspects of vanadium exposure and its effects on aquatic and terrestrial environments, human health, and wildlife. This second volume focuses on health effects and toxicology in living organisms, while Part One concentrates on chemistry and biochemistry. Topics in this second volume include:

• Health effects of environmental exposure to vanadium

• Toxicology of vanadium in mammals

• Mutagenicity, carcinogenicity, and teratogenicity of vanadium

• Baseline vanadium levels and exposure tests in humans

• Vanadium and metabolic problems

• Vanadium and its significance in animal cell metabolism

• Hematological effects of vanadium in living organisms

• Genetic toxicology of vanadium compounds

• Vanadium and the cardiovascular system: regulatory effects and toxicity

• Oxidative stress and pro-oxidant biological effects of vanadium
• Endocrine control of vanadium accumulation

• Vanadium detoxification

• Vanadium as a new tool for cancer prevention

ABOUT THE AUTHOR

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