

## NICKEL AND HUMAN HEALTH CURRENT PERSPECTIVES ADVANCES IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY

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[Nickel And Human Health Current Perspectives Advances In Environmental Science And Technology](#)

Nickel and Human Health: Current Perspectives is a definitive compendium of the research being conducted internationally in nickel toxicology. Featuring the work of preeminent researchers, including one of the "fathers" of nickel toxicology, William Sunderman, Sr., this landmark volume systematically examines such key issues as the biological utilization of nickel, toxicokinetics in humans ...

[Nickel and Human Health: Current Perspectives ...](#)

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[Nickel and Human Health by Evert & Nriagu, Jerome O ...](#)

In addition, the hazardous health effects caused by nickel exposure to humans, namely nickel-induced carcinogenesis and allergy, are triggered by non-specific interactions of nickel with macromolecules and formation of reactive compounds that mediate cellular damage. Cellular response to nickel is also related to signal transduction cascades. This review thus highlights the most promising systems for future studies aimed at decreasing the adverse effects of nickel on human health.

[Occurrence, physiological responses and toxicity of nickel ...](#)

Description: \Environmental Health Perspectives (EHP) is a monthly peer-reviewed journal of research and news published with support from the National Institute of Environmental Health Sciences, National Institutes of Health, U.S. Department of Health and Human Services. The mission of EHP is to serve as a forum for the discussion of the interrelationships between the environment and human ...

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Salnikow K and Kasprzak K (2005) Ascorbate Depletion: A Critical Step in Nickel Carcinogenesis?, Environmental Health Perspectives, 113:5, (577-584), Online publication date: 1-May-2005. Zhao J, Yan Y, Salnikow K, Kluz T and Costa M (2004) Nickel-induced down-regulation of serpin by hypoxic signaling, Toxicology and Applied Pharmacology, 10.1016/j.taap.2003.08.011, 194:1, (60-68 ...

[Current Opinion in Environmental Science & Health ...](#)

Nickel and Human Health Current Perspectives. av Evert Nieboer, Professor Jerome O Nriagu, Antero Aitio. Inbunden Engelska, 1992-08-01. 3979. Köp. Spara som favorit Skickas inom 7-10 vardagar. Fri frakt inom Sverige för privatpersoner. Chromium in the Natural and Human Environments Edited by Jerome O. Nriagu and Evert Nieboer "Essential reading for researchers and students of environmental ...

[Persisting risk of nickel related lung cancer and nasal ...](#)

This review focuses on the impact of nickel on human health. In particular, the dual nature of nickel as an essential as well as toxic element in nature is described, and the main forms of nickel that can come in contact with living systems from natural sources and anthropogenic activities are discussed. Concomitantly, the main routes of nickel uptake and transport in humans are covered, and ...

[Nickel impact on human health: An intrinsic disorder ...](#)

Health effects of nickel. Nickel is a compound that occurs in the environment only at very low levels. Humans use nickel for many different applications. The most common application of nickel is the use as an ingredient of steel and other metal products. It can be found in common metal products such as jewelry.

[Vol. 106, Dec., 1998 of Environmental Health Perspectives ...](#)

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[Environment, Ethics, and Human Health - The Hastings Center](#)

In Nickel and human health: current perspectives," in Advances in Environmental Science and Technology, E. Nieboer and J. O. Nriagu, Eds., pp. 1–20, Wiley, New York, NY, USA, 1992. View at: Google Scholar

[Nickel in Healthcare | Nickel Institute](#)

Technology has been impinging on human health since the origins of human kind. The development of tools, weapons for hunting, clothing, controllable fire, language, money, boats and containers for storing and carrying things are all technologies that played an important role in sustaining and advancing the spread of people around the globe. In the last five to ten thousand years, the ...

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Environmental Nanotechnology, Monitoring and Management is a journal devoted to the publication of peer reviewed original research on environmental nanotechnologies, monitoring studies and management for water, soil, waste and human health samples. Critical review articles, short communications and scientific policy briefs are also welcome. The journal will include all environmental matrices ...

[Persisting risk of nickel related lung cancer and nasal ...](#)

Top 10 Emerging Environmental Technologies. The big Blue Marble, Earth, as seen from space. (Image credit: NASA) Wasteful energy policies, overuse of resources, water supply shortages, global ...

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Biotechnology-derived environmental products, such as microorganisms used to clean up an oil spill, are subject to the Canadian Environmental Protection Act. Health Canada shares responsibility with Environment Canada for the risk assessment of these products, including assessment of risks to human health through environmental exposure to them and environmental impact of the product.

[The Impact of Technology in Healthcare | AIMS Education](#)

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Yale Environment 360: The concept of ecological modernism, which sees technology as key to solving big environmental problems, is getting a lot of buzz these days

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Examples of production technologies with relevance to biology include microreactor technology (as used in the chemical engineering industrial sector), microfluidics and microfabrication technologies (e.g., currently being employed for next-generation detection tools), and transgenic plants. Examples of packaging technologies with relevance to biology include microencapsulation and ...

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[Environmental Science & Policy | Journal | ScienceDirect ...](#)

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It might be claimed that it is up to the philosophy of technology, and not the philosophy of science, to target first of all the impact of technology—and with it science—on society and culture, because science affects society only through technology. This, however, will not do. Right from the start of the scientific revolution, science affected human culture and thought fundamentally and ...

[Activity 15: Science, Technology, the Environment, and ...](#)

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