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Sommario/riassunto

Volume 8, solely devoted to the toxicology of metals and metalloids as well as their compounds, focuses on human health. Not surprisingly, all related research areas are rapidly developing due to the role of metals and metalloids in the environment, for the work place, for food and water supply, etc. Written by 40 internationally recognized experts, the 14 stimulating chapters provide an authoritative and timely resource for scientists working in the wide range from analytical, physical, inorganic, and environmental biochemistry all the way through to toxicology, physiology, and medicine. Volume 8 highlights, supported by nearly 1900 references, in a comprehensive and timely manner the principles of risk assessment regarding the effects of metals on human health. It examines how metal ions and their compounds affect the pulmonary, cardiovascular, gastrointestinal (including liver), hematological, immune, and neurological systems, the kidney, skin and eyes, as well as human reproduction and development. MILS-8 terminates with the role of metal ions as endocrine disrupters, in genotoxicity, and cancer risk.
