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| Descrizione fisica | 1 online resource (xiii, 272 pages) : illustrations |
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| Nota di contenuto | Frontmatter -- Acknowledgment -- Contents -- 1. Nanomaterials safety and health hazard -- 2. Nanotoxicity and the immune system -- 3. Nanoparticles and stem cells -- 4. Nanoparticles and brain -- 5. Nanoparticles, neurotoxicity and safety in application to neurological disorders -- 6. Health effects of inhaled nanomaterials -- 7. Nanoparticles and genotoxicity -- 8. Nanoparticles and occupational health hazards -- 9. Toxicity and effect of nanoparticles on liver and kidneys, and kidney disorders -- 10. Nanomaterials and aquatic toxicity -- 11. Nanotoxicity and plants -- Glossary -- Abbreviations -- Index |
| Sommario/riassunto | This monograph summarizes the current knowledge on potential health hazards induced by nanomaterials from different sources and sort such as food, drugs and silver nanoparticles. Methods to assess toxicity as well as known effects on the genome, neuronal and respiratory system are discussed. Besides the impact on human and animal life the books also addresses aquatic toxicity. |