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| 1. Record Nr. | UNISOBE600200009863 |
| Autore | Ben Asher, Jacob |
| Titolo | Arbà Ah Turim = (Le Quattro Colonne) : Cod.Vat.Ross.555 Folio 220v / Jacob Ben Asher ; commento di Aliza Cohen-Mushlin |
| Pubbl/distr/stampa | Milano, : Jaca Book, 1989 |
| Descrizione fisica | 6 p., : 1 tav ; 37 cm |
| Collana | Biblioteca di miniature in facsimile |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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| 2. Record Nr. | UNINA9911020422803321 |
| Autore | Alfaro-Moreno Ernesto |
| Titolo | Nanosafety : A Comprehensive Approach to Assess Nanomaterial Exposure on the Environment and Health / / edited by Ernesto Alfaro-Moreno, Fiona Murphy |
| Pubbl/distr/stampa | Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025 |
| ISBN | 3-031-93871-2 |
| Edizione | [1st ed. 2025.] |
| Descrizione fisica | 1 online resource (880 pages) |
| Altri autori (Persone) | MurphyFiona |
| Disciplina | 615.90072 |
| Soggetti | Nanostructured materials - Toxicology
Nanostructured materials - Transport properties |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Nanotoxicology probing established paradigms using innovative approaches -- Use of sensors to provide real time assessment of cellular responses to nanomaterials in in vitro systems -- Recreating physiological events using advanced in vitro models -- Emerging strategies for nanosafety assessment the power of multiplexing -- |

Genotoxicity and Epigenetics How nanomaterials interact with DNA and gene expression -- Section Two Bridging in vitro in vivo models Assessing nanomaterial hazard with lower tier organisms, reducing reliance on rodent models and ensuring sustainability in nanosafety approaches -- *Caenorhabditis elegans* as a model organism to probe nanosafety from morphological to molecular approach -- *Drosophila melanogaster* a dynamic in vivo model to study nano bio interactions -- Zebrafish embryos as a tool for nanomaterials hazard assessment -- *Daphnia* as a model organism in econanotoxicity assessment from individual to population effects -- Organ on a chip and nanosafety The latest in vitro platforms to predict hazard and streamline nanosafety assessment -- Skin on a chip -- Lung on a chip -- Gut on a chip -- Systems on a chip -- Computational approaches to nanosafety From traditional QSAR to Artificial Intelligence and Life Cycle Assessment -- Leveraging Opportunities for Computer Aided Nanosafety Integrating Nano QSTR with AI Generalized Read Across Models -- Advanced Structure Based Docking Protocols for Complex Nano Mixtures Risk Assessment -- Building Multiple Machine Learning Classifiers to Address Nanomaterial Risks Assessment -- Life Cycle Assessment a broader view of nanomaterials beyond biological effects.

Sommario/riassunto

Nanosafety encompasses a spectrum of multidisciplinary studies, including nanotoxicology, immunotoxicology, genotoxicity, and epigenetic effects. Nanomaterials, with their unique properties and diverse applications, have revolutionized industries from medicine to electronics. However, the potential risks associated with their use demand meticulous investigation and understanding. This open access book serves as a crucial resource, bridging the gap between the burgeoning field of nanotechnology and the imperative need to ensure the safety of nanomaterials in various contexts. As nanotechnology continues to transform our world, this book provides invaluable insights and guidance for researchers, policymakers, and industries, ensuring the responsible and safe development of nanomaterials and their applications in the 21st century.
