TABLE OF CONTENTS

- Description p.1
- Abstracting and Indexing p.1
- Editorial Board p.1
- Guide for Authors p.4

DESCRIPTION

NanoImpact is a multidisciplinary journal that focuses on nanosafety research and areas related to the impacts of nanoscale processes and materials (manufactured and incidental nanomaterials, including ultrafine particles and nanoplastics) on human and environmental systems. As such it will publish in the following areas:

- Human Nanotoxicology - nano-bio interactions and effects on human health;
- Econanotoxicology - nano-bio interactions and effects on organism and ecosystem health;
- Exposure - nanomaterial formation, release, transformation fate and behavior in the environment and human/engineered systems;
- Risk Assessment and Life Cycle Assessment
- Nano-informatics - modelling, data curation
- Nano-governance: Policy, regulation, perception

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Nanotoxicology, fish, invertebrates, zebrafish, nanopesticides, nanoparticles, coatings, functionalization

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Regulatory engineering, Risk assessment, Regulation, Risk governance, Scientific uncertainty, Decision-making tools, Environmental principles

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Risk assessment; Ecological risk assessment; Environmental fate and effect assessment; Nanoparticles; Bioavailability; Metals; Organics; Quantitative structure-activity relationships (QSARs); Transformation of chemical substances; Biodegradation; Abiotic transformations

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Nanomaterials, carbon nanomaterials, standardization, nanoecotoxicity, carbon nanotubes.

Dale Porter, Pathology and Physiology Research Branch, National Institute for Occupational Safety and Health (NIOSH), Morgantown, West Virginia, USA

Nanotoxicology, pulmonary toxicity, inhalation toxicology

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Nanobiology, Nanotoxicology, Blood vessels, Nanomedicine

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Nanomaterials characterization, Nanomaterials release, hazard assessment, risk assessment, life cycle assessment

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Nanotoxicology; Econanotoxicology; Food safety; Nano EHS

Peter Wick, Swiss Federal Laboratories for Materials Science and Technology, Dubendorf, Switzerland

Nanoparticle, in vitro, ex vivo, biological barriers, nanomedicine, nanosafety, method development

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Nanoparticle functionalization, nanotoxicity, cytotoxicity, chemistry, characterization, animal model, molecular interaction, cell signaling, systems toxicology, structural activity relationship

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Life Cycle Assessment, Life Cycle Inventory Modelling, LCA

Danail Hristozov, Department of Environmental Sciences, Università Ca' Foscari Venezia, 30175 - Marghera - VE, Italy

Nanosafety, nano-bio interactions, environmental impacts, human health risk assessment and management, risk governance

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