# 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

Other areas, such as the development of methodological and modelling approaches and the development of materials and methods to enhance nanosafety, are appropriate if there is a clear and demonstrable link to the above themes.

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Environment; nanoscience; nanotechnology; nanoparticle; aquatic science; environmental chemistry; trace metals; nanotoxicology; metrology; nanoparticle synthesis

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Dendrimer Polymer, Photoactive Nanomaterials, Nanoparticle Characterization, Nanomedicine, Photochemical Release.

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Nanotox testing, 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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Nanomaterials, carbon nanomaterials, standardization, nanocotoxicity, carbon nanotubes.

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nanotoxicology, pulmonary toxicology, 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

**Jason White**, Department of Analytical Chemistry, Connecticut Agricultural Experiment Station (CAES), New Haven, Connecticut, USA

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

**Wendel Wohlleben**, Material Physics, BASF AG, Ludwigshafen, Germany

Identification, characterization and grouping of nanoforms, Lifecycle and release testing of nano-enabled products, Femtosecond spectroscopy

**Bing Yan**, Guangzhou University, Guangzhou, China

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

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nanotoxicology, carbon nanotubes, nano-metals, pulmonary fibrosis, asthma, lung cancer, mesothelioma, cell signaling mechanisms

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inhalation toxicity, pulmonary toxicity, nanotoxicology, occupational exposure and health, predictive screening test for the bioactivity of nanoparticles

**Roland Hischier**, Technology & Society Laboratory (TSL), Empa-Swiss Federal Laboratories for Materials Testing and Research, St. Gallen, Switzerland

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

**Saber Hussain**, Research Laboratory, United States Airforce, Dayton, Ohio, USA

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Nanomaterials, risk assessment, risk management, human toxicology, airborne exposure, aquatic fate

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Bionanotechnology, nanotoxicology, lung cancer, fibrosis, inflammation, apoptosis, drug delivery, drug resistance, stem cell biology, tumor microenvironment, free radical biology

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Nanotoxicology, genotoxicology, immunotoxicology, nanosafety, nanomaterials, risk assessment, regulatory toxicology, pharmacology, oxidative stress

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