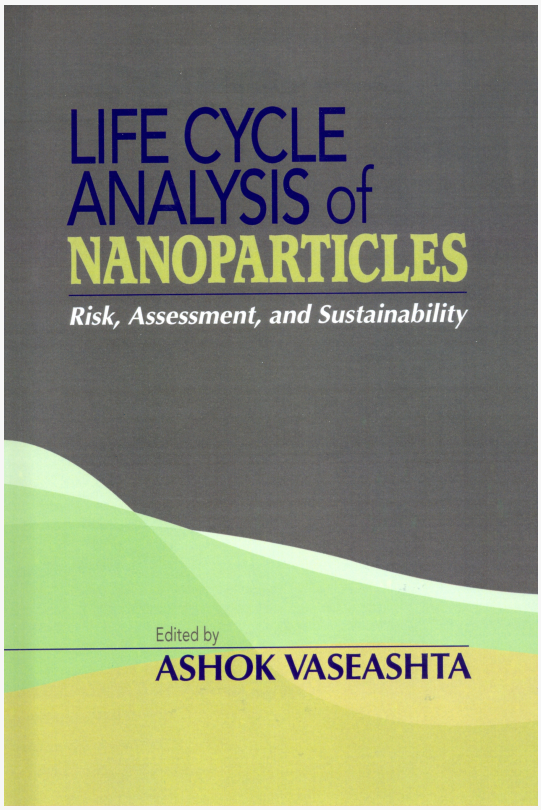
New book on Life Cycle Analysis of Nanoparticles in Environmental Settings

This book addresses the ways life cycle assessment (LCA) concepts can be applied to analyze fate of nanoparticles in environmental and manufacturing settings.



LANCASTER, PA, USA, August 4, 2015 /EINPresswire.com/ -- •Investigative tools for analyzing environmental nanoparticles with health impacts
•Basic theories and models of life cycle analysis applied to nanomaterials
•Connects LCA, detection technologies and sustainability

Life Cycle Analysis of Nanoparticles: Risk, Assessment, and Sustainability, ISBN 9781605950235, addresses the ways life cycle assessment (LCA) concepts can be applied to analyze the fate of nanoparticles in a variety of environmental and manufacturing settings. After introducing LCA theory and modeling concepts, the work discusses risks associated with carbon nanotubes, graphene, silver, fullerenes, iron oxides and other particles generated by manufacturing or medical diagnostics. Chapters in the text discuss biomolecules and the application of in vivo biosensors. Also covered are fate analysis, risk assessment, toxicology and nanopathology with a focus on human health and disease. Go to the link above and examine 20% of the book.

> ...The topic of Life Cycle Analysis is innovative, relevant, complex and is of great importance.
> I strongly recommend this work.
>
> *Renata Reisfeld, PhD, The Hebrew University of Jerusalem*

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