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Autore	Westerhoff Paul
Titolo	Fate of engineered nanomaterials in wastewater biosolids, land application, and incineration // by Paul Westerhoff, Kiril Hristovski
Pubbl/distr/stampa	London, England : , : IWA Publishing, , 2014 ©2014
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Descrizione fisica	1 online resource (104 p.)
Collana	WERF Research Report Series
Disciplina	363.179
Soggetti	Nanostructured materials - Environmental aspects Sewage - Purification - Sequencing batch reactor process Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Copyright; Acknowledgments; Abstract and Benefits; Table of Contents; List of Tables; List of Figures; List of Acronyms; Executive Summary; Chapter 1.0: Introduction; 1.1 Background; 1.2 Goals and Research Questions; 1.3 Organization of Report; Chapter 2.0: Experimental Methods and Materials; 2.1 Laboratory Methods; 2.1.1 Batch NM Sorption Tests; 2.1.2 Sources and Size Discrimination of Titanium Dioxide NMs in Food and PCPs; 2.1.3 SBRs; 2.1.4 Biosolids Incineration Tests; 2.1.5 Effect of ENMs on Biological Carbon Conversion in an Arizona Soil Under Dark Conditions; 2.2 Field Sampling 2.2.1 Analysis of Aqueous Samples by sp-ICP-MS 2.2.2 Biosolids Processing Facilities; 2.2.3 Biosolid Management Facility (Texas); 2.3 Analytical Methods; 2.3.1 Chemical Analysis; 2.3.2 Electron Microscopy Analysis; Chapter 3.0: Absorption of ENM to Wastewater Biomass; 3.1 Batch Sorption Experiments; 3.2 Composition and Properties of Food-Grade Titanium Dioxide; 3.3 Titanium Content of Foods; 3.4 Titanium Content in PCPs; 3.5 Titanium Content of Paints and Adhesives; 3.6 Selection of Titanium Dioxide Models for Environmental Studies; 3.7 Sorption of E171/P25 - Titanium Dioxide to Biomass 3.8 Summary Chapter 4.0: Occurrence of ENMs in Treated Effluents and Biosolids; 4.1 Detection of ENMs in Water by Single Particle ICP-MS; 4.2

Mass Flow of Titanium During Biosolids Treatment; 4.3 Metals in EPA Composite Biosolid Samples; 4.3.1 Sample Description; 4.3.2 Normalized Metal Concentrations in Biosolids; 4.3.3 Partitioning of Metals from Sewage into Biomass; 4.4 Occurrence of ENMs in Biosolids from the 2001 EPA NSSS; 4.4.1 Identification of Metallic Particles in Biosolids by SEM/EDX; 4.4.2 Occurrence of Nano Titanium Dioxide Particles in Biosolids by TEM/EDX
4.4.3 Mixed Metal Precipitate by SEM-Element Mapping4.4.4 The Probability to Locate Metallic Particles in Biosolids by Electron Microscopy; 4.5 Change of ENMs in Biosolids Incineration; 4.6 Summary; Chapter 5.0: Occurrence and Impacts of ENMs in Biosolids Amended Soils; 5.1 Metal Accumulation Survey and Occurrence of Metallic ENMs in Biosolids Amended Soils; 5.1.1 The Accumulation of Selected Metals in Biosolids Amended Soils; 5.1.2 Metal Profiles in Different Depth of Soils; 5.1.3 Nanoparticle Related Metal Profiles in Biosolids Amended Soils (Austin, TX)
5.1.4 The Potential Highest Concentrations of ENMs in Soils5.1.5 The Presence of Titanium Dioxide Nanoparticles and Micro Particles in TX Soil; 5.2 Effects of ENMs on Basal Respiration in Soils; 5.3 Effects of ENMs on SIR in Soils; 5.4 Summary; Chapter 6.0: Summary, Conclusions, and Recommendations; 6.1 Summary and Conclusions; 6.1.1 Absorption of ENM to Wastewater Biomass; 6.1.2 Occurrence of ENMs in Wastewater Effluent and Biosolids; 6.1.3 Occurrence and Impacts of ENMs in Biosolids Amended Soils; 6.2 Recommendation for Future Research; References

2. Record Nr.	UNISA996248228703316
Autore	Butsch Richard <1943->
Titolo	The making of American audiences : from stage to television, 1750-1990 / / Richard Butsch [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2000
ISBN	0-511-20097-8 1-283-43725-2 9786613437259 0-511-39518-3 0-511-61971-5 0-511-39515-9 0-511-39516-7 0-511-39519-1 0-511-39517-5
Descrizione fisica	1 online resource (x, 438 pages) : digital, PDF file(s)
Collana	Cambridge Studies in the history of mass communication
Disciplina	791/.0973
Soggetti	Performing arts - Audiences - United States Radio audiences - United States Television viewers - United States
Lingua di pubblicazione	Inglese
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Colonial theater, privileged audiences -- Drama in early republic audiences -- The B'Hoys in Jacksonian theaters -- Knowledge and the decline of audience sovereignty -- Matinee ladies : re-gendering theater audiences -- Blackface, whiteface -- Variety, liquor, and lust -- Vaudeville, incorporated -- "Legitimate" and "illegitimate" theater around the turn of the century -- The celluloid stage : nickelodeon audiences -- Storefronts to theaters : seeking the middle class -- Voices from the ether : early radio listening -- Radio cabinets and network chains -- Rural radio : "we are seldom lonely anymore" -- Fears and dreams : public discourses about radio -- The electronic cyclops : fifties television -- A TV in every home : television "effects" -- Home video : viewer autonomy? -- From effects to resistance and

beyond.

Sommario/riassunto

In *The Making of American Audiences*, Richard Butsch provides a comprehensive survey of American entertainment audiences from the colonial period to the modern day. Providing coverage of theatre, opera, vaudeville, minstrelsy, movies, radio and television, he examines the evolution of audience practices as each genre supplanted another as the primary popular entertainment. Based on original historical research, this volume exposes how audiences made themselves through their practices - how they asserted control over their own entertainments and their own behaviour. Importantly, Butsch articulates two long-term processes: pacification and privatization. Whereas during the nineteenth century, overactive audiences represented a threat to civic order through their unruly behaviour, in the twentieth century, audiences have become more passive, dependent upon and controlled by media messages. This timely study serves as an important contribution to communication research, as well as American cultural history and cultural studies.
