1. Record Nr. UNINA9910132350103321

Titolo	Advanced materials for agriculture, food, and environmental safety / / edited by Ashutosh Tiwari and Mikael Syvajarvi
Pubbl/distr/stampa	Salem, Massachusetts : , : Wiley : , : Scrivener Publishing, , 2014 ©2014
ISBN	1-118-77390-X 1-118-77385-3 1-118-77388-8
Descrizione fisica	1 online resource (524 p.)
Collana	Advanced Materials Series
Disciplina	615.954
Soggetti	Food contamination Biomedical materials Microbial ecology
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 at the end of each chapters and index.
Nota di contenuto	Layered double hydroxides and the environment : an overview / Amita Jaiswal, Ravindra Kumar Gautam, and Mahesh Chandra Chattopadhyaya -- Improvement of the corrosion resistance of aluminium alloys applying different types of silanes / Anca-Iulia Stoica, Norica Carmen Godja, Andje Stankovi, Matthias Pilzler, Erich Kny, and Christoph Kleber -- New generation material for the removal of arsenic from water / Dinesh Kumar and Vaishali Tomar -- Prediction and optimization of heavy clay products quality / Milica Arsenovi, Lato Pezo, Lidija Mani, and Zagorka Radojevi -- Enhancement of physical and mechanical properties of sugar palm fiber via vacuum resin impregnation / M.R. Ishak, Z. Leman, S.M. Sapuan, M.Z.A. Rahman, and U.M.K. Anwar -- Environmentally-friendly acrylates-based polymer latices / Sweta Shukla and J.S.P. Rai -- Nanoparticles for trace analysis of toxins : present and future scenario / Anupreet Kaur and Shivender Singh Saini -- Recent developments in gold nanomaterial catalysts for oxidation reaction through green and sustainable routes / Biswajit Chowdhury, Chiranjit Santra, Sandip Mandal, and Rawesh Kumar -- Nanosized

metal oxide-based adsorbents for heavy metal removal : a review / Deepak Pathania and Pardeep Singh -- Future prospects of phytosynthesized transition metal nanoparticles as novel functional agents for textiles / Shahid-ul-Islam, Mohammad Shahid, and Faqeer Mohammad -- Functionalized magnetic nanoparticles for heavy metal removal from aqueous solutions : kinetics and equilibrium modeling / Ravindra Kumar Gautam, Amita Jaiswal, and Mahesh Chandra Chattopadhyaya -- Potential application of nanoparticles as antipathogens / Pratima Chauhan, Mini Mishraand, Deepika Gupta -- Gas barrier properties of biopolymer-based nanocomposites : application in food packaging / Sarat Kumar Swain -- Application of zero-valent iron nanoparticles for environmental clean up / Ritu Singh and Virendra Misra -- Typical synthesis and environmental application of novel TiO2 nanoparticles / Tanmay Kumar Ghorai -- Zinc oxide nanowire films : solution growth, defect states, and electrical conductivity / Ajay Kushwaha and M. Aslam.

Sommario/riassunto

The levels of toxic and microbial contamination in the food and environment are influenced by harvesting or slaughtering technologies and by the processes applied during food manufacture. With current cultivation methods, it is impossible to guarantee the absence of pesticides and pathogenic microorganisms in raw foods, both of plant and animal origin. Widespread and increasing incidence of foodborne diseases and the resulting social and economic impact on the world population have brought food and environmental safety to the forefront of ecological safety and public health concerns. The emer

2. Record Nr. UNINA9910557498503321

Autore	Qualls Robert G
Titolo	Nutrient Cycling in Forest Ecosystems
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 electronic resource (218 p.)
Soggetti	Research & information: general Biology, life sciences Forestry & related industries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The long-term productivity of forest ecosystems depends on the cycling of nutrients. The effect of carbon dioxide fertilization on forest productivity may ultimately be limited by the rate of nutrient cycling. Contemporary and future disturbances such as climatic warming, N-deposition, deforestation, short rotation sylviculture, fire (both wild and controlled), and the invasion of exotic species all place strains on the integrity of ecosystem nutrient cycling. Global differences in climate, soils, and species make it difficult to extrapolate even a single important study worldwide. Despite advances in the understanding of nutrient cycling and carbon production in forests, many questions remain. The chapters in this volume reflect many contemporary research priorities. The thirteen studies in this volume are arranged in the following subject groups: • N and P resorption from foliage worldwide, along chronosequences and along elevation gradients; • Litter production and decomposition; • N and P stoichiometry as affected by N deposition, geographic gradients, species changes, and ecosystem restoration; • Effects of N and P addition on understory biomass, litter, and soil; • Effects of burning on soil nutrients; • Effects of N addition on soil fauna.

3.

Record Nr.	UNISA996576172003316
Autore	HOWE, John <1630-1705.>
Titolo	A funeral sermon for that faithful and laborious servant of Christ Mr. Richard Fairclough (who deceased July 4, 1682 in the sixty first year of his age) / by John Howe
Pubbl/distr/stampa	London, : Printed for John Dunton, 1682
Descrizione fisica	Testo elettronico (PDF) ([6], 62 p.)
Disciplina	252.1
Soggetti	Funerali - Sermoni
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia