

1. Record Nr.	UNISALENT0991002184479707536
Titolo	Bäcklund transformations, the inverse scattering method, solitons, and their applications [e-book] : NSF research workshop on contact transformations / edited by Robert M. Miura
Pubbl/distr/stampa	Berlin : Springer, 1976
ISBN	9783540382201
Descrizione fisica	1 online resource (vii, 295 p.)
Collana	Lecture Notes in Mathematics, 0075-8434 ; 515
Altri autori (Persone)	Miura, Robert M.
Disciplina	515
Soggetti	Mathematics Global analysis (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910337922603321
Titolo	Advanced Nanostructured Materials for Environmental Remediation / / edited by Mu. Naushad, Saravanan Rajendran, Francisco Gracia
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-04477-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (399 pages)
Collana	Environmental Chemistry for a Sustainable World, , 2213-7122 ; ; 25
Disciplina	620.118 572.33
Soggetti	Sustainability Environmental chemistry Water Hydrology Engineering Environmental Chemistry Technology and Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Current role of nanomaterials for environmental remediation -- 2. Recent Advances in Nanomaterials for Wastewater Treatment -- 3. Nano-metal oxides for antibacterial activity -- 4. Nanomaterials for advanced analytical applications in chemo- and biosensors -- 5. Surface-modified conducting polymer based-nanostructured materials for removal of toxic heavy metals from wastewater -- 6. Biological effects of green synthesized metal nanoparticles: A mechanistic view on Antibacterial activity and Cytotoxicity -- 7. Surface plasmon-based nanomaterials as photocatalyst -- 8. Polymer Based Magnetic Nanocomposites for the Removal of Highly Toxic Hexavalent Chromium from Aqueous Solution -- 9. Nanomaterials as an immobilizing platform for enzymatic glucose biosensors -- 10. Innovations in Antimicrobial Engineered Nanomaterials -- 11. Exploitation of nanoparticles as photocatalysts for clean and environmental applications -- 12. Nanoparticles: Antimicrobial Applications and its

Prospects.-13. Organic and Inorganic Hybrid Diglycidyl/tetraglycidyl Epoxy-containing Nano-coatings on Mild Steel for the Corrosion Protection and its Microbial Prevention.

Sommario/riassunto

This book provides a wide-range exploration on the ongoing research and developmental events in environmental nanotechnology. Emerging nanomaterials and its technology have been known to offer unique advantages and are continually showing promising potential attracting continuous global attention. This work thus discusses experimental studies of various nanomaterials along with their design and applications and with specific attention to chemical reactions and their challenges for catalytic systems. It will make a noteworthy appeal to scientists and researchers working in the field of nanotechnology for environmental sciences.