

1. Record Nr.	UNINA9910677311403321
Autore	Hussain Chaudhery
Titolo	Nanotechnology in environmental science // edited by Chaudhery Mustansar Hussain and Ajay Kumar Mishra
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH, , 2018 ©2018
ISBN	1-80316-053-5 3-527-80884-1 3-527-80885-X
Edizione	[1st edition]
Descrizione fisica	1 online resource (897 pages) : illustrations (some color)
Disciplina	363.7
Soggetti	Environmental sciences Nanostructured materials - Environmental aspects Nanocomposites (Materials) - Environmental aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Sommario/riassunto	An overview of the current state of nanotechnology-based devices with applications in environmental science, focusing on nanomaterials and polymer nanocomposites. The handbook pays special attention to those nanotechnology-based approaches that promise easier, faster and cheaper processes in environmental monitoring and remediation. Furthermore, it presents up-to-date information on the economics, toxicity and regulations related to nanotechnology in detail. The book closes with a look at the role of nanotechnology for a green and sustainable future. With its coverage of existing and soon-to-be-realized devices this is an indispensable reference for both academic and corporate R&D.