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Titolo	PubMed / / NCBI, National Library of Medicine
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Descrizione fisica	Collection Database
Soggetti	Medicine - Periodicals Medicine Life sciences - Periodicals Life sciences
Lingua di pubblicazione	Molteplice
Formato	Materiale a stampa
Livello bibliografico	Collezione
Sommario/riassunto	PubMed is a free resource supporting the search and retrieval of biomedical and life sciences literature with the aim of improving health–both globally and personally.The PubMed database contains more than 37 million citations and abstracts of biomedical literature. It does not include full text journal articles; however, links to the full text are often present when available from other sources, such as the publisher's website or PubMed Central (PMC). Available to the public online since 1996, PubMed was developed and is maintained by the National Center for Biotechnology Information (NCBI), at the U.S. National Library of Medicine (NLM), located at the National Institutes of Health (NIH). MEDLINE is the primary component of PubMed. Time coverage: MEDLINE includes literature published from 1966 to present, and selected coverage of literature prior to that period. The subject scope of MEDLINE is biomedicine and health, broadly defined to encompass those areas of the life sciences, behavioral sciences, chemical sciences, and bioengineering needed by health professionals and others engaged in basic research, public health or related educational activities. MEDLINE also covers life sciences vital to

		biomedical practitioners, including aspects of biology, environmental science, marine biology, plant and animal science as well as biophysics and chemistry. For more information: https://www.nlm.nih.gov/bsd/medline.html
2.	Record Nr.	UNINA9910726285203321
	Titolo	Advanced Functional Nanoparticles "Boon or Bane" for Environment Remediation Applications : Combating Environmental Issues / / edited by Raman Kumar, Rajeev Kumar, Savita Chaudhary
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	Nota di contenuto	Chapter 1. Advanced Nanomaterials: From Properties and Perspective Applications, to Their Interlinked Confronts (Chitven Sharma) -- Chapter 2. Advanced Nanoparticles: Boon or a Bane for Environmental Remediation Applications (Deepak Rohilla) -- Chapter 3. Nanomaterials in Environment: Sources, Risk Assessment and Safety Aspect (Ashpreet

Kaur) -- Chapter 4. Environmental Fate descriptors for screening Nanotoxicity and pollutant sensing (Pooja Chauhan) -- Chapter 5. Nanomaterials in Combating Water Pollution and Related Ecotoxicological Risk (Teenu Jasrotia) -- Chapter 6. Nanotechnology: Emerging Opportunities and Regulatory Aspects in Water Treatment (Yogita Lugani) -- Chapter 7. Nanoparticles in Dye Degradation: Achievement and Confronts (Rekha Dhull) -- Chapter 8. Safe Appraisal of Carbon Nanoparticles in Pollutant Sensing (Manisha Kumari) -- Chapter 9. Advanced Nanomaterials in Biomedicine: Benefits and Challenges (Avtar Singh) -- Chapter 10. New Perspectives application and hazards ofNanomaterials in aquatic environment (Renuka Chaudhary) -- Chapter 11. Risk Governance Policies for Sustainable Use of Nanomaterials (Pooja Chauhan) -- Chapter 12. Misconceptions in Nanotoxicity Measurements: Exploring Facts to Strengthen Ecosafe Environmental Remediation (Chitven Sharma).

Sommario/riassunto

This textbook provides an overview of applications of advanced nanomaterials, basic lab set up and requirements in for their synthesis, techniques and career scope of nanotechnology in industries and research. Pollution of air, water, soil is an ever increasing environmental problem attributed to increasing population, global industrialization and unplanned urbanization, has acquired alarming dimensions. It is the most dangerous and worst problem that puts the lives of people, animals, and plants on the earth in danger. An effective, efficient and sustainable approach for managing pollution related problems requires the utmost attention of the scientific community to tackle this menace for the society to lead a healthy and quality life. A number of techniques and books, literatures have been developed in recent years to treat environmental contaminants. However, most of these are not economically viable, environmentally benign and suffer due to cumbersome multi-step manipulations. The purpose of this textbook is to inform students about the application of functionalized nanoparticles as a new approach to supplement traditional treatment methods in cost and time effective manner. The simplistic means to assemble nanoparticles to the constituents of next generation technologies in environment cleanup and sensing are the main objectives of the book. The toxicological footprinting of released advanced functional nanomaterials in ecosystem will also be discussed in the book.