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Nota di contenuto	Preface -- About the Editors -- 1. Nanotechnology for water and wastewater treatment using graphene semiconductor composite materials (Penny P. Govender) -- 2. Dyes depollution of water using porous TiO ₂ -based photocatalysts (Jean-Luc Blin) -- 3. Application of nanobiosensors in food safety monitoring (Ragh HV) -- 4. Translational approach of modification of functional properties of nano porous membranes for the desalination of water (Velayudhaperumal Chellam Padmanaban) -- 5. Nanotechnology in wheat production and protection (Prem Lal Kashyap) -- 6. New drugs for bad bugs: bioprospection of new nanoparticles and specialized metabolites from Actinobacteria (Analía Álvarez) -- 7. Titanium oxide-based nanomaterials with photocatalytic applications in environmental chemistry (Santiago Gómez-Ruiz) -- 8. Polymer nanocomposites: synthesis and characterization (A L Sharma). 9. Application of nanotechnology in agriculture (Pragati Pramanik) -- 10. Nanomaterial-based sensor for air pollution control (Pradip Kar).
Sommario/riassunto	This book presents comprehensive reviews on the latest developments of nanotechnologies to detect and remove pollutants in water, air and food. Polymer nanocomposites, nanoparticles from microbes and application of nanotechnologies for desalination and agriculture are

also addressed. Pollution of water and air by contaminants and diseases is a major health issue leading globally to millions of deaths yearly, according to the World Health Organization, and such an issue requires advanced methods to clean environmental media.
