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Nota di contenuto	Innovative Approaches & Methods for Environmental Sustainability -- Environmental Risk Assessment, Bioremediation, Ecotoxicology & Environmental Safety -- Water Resources Assessment, Planning, Protection & Management -- Environmental Engineering & Management -- Natural Resources (Characterization, Assessment, Management & Valorisation) -- Intelligence Techniques in Renewable Energy (Biomass, Wind, Waste, Solar) -- Sustainable Management of Marine Environment & Coastal Areas -- Remote Sensing & GIS for Geo-Environmental

Investigations -- Environmental Impacts of Geo/Natural Hazards (Earthquakes, Landslides, Volcanic & Marine Hazards) -- Environmental Health Sciences (Natural & Social Impacts on Human Health).

Sommario/riassunto

This volume includes the papers presented during the 1st Euro-Mediterranean Conference for Environmental Integration (EMCEI) which was held in Sousse, Tunisia in November 2017. This conference was jointly organized by the editorial office of the Euro-Mediterranean Journal for Environmental Integration in Sfax, Tunisia and Springer (MENA Publishing Program) in Germany. It aimed to give a more concrete expression to the Euro-Mediterranean integration process by supplementing existing North-South programs and agreements with a new multilateral scientific forum that emphasizes in particular the vulnerability and proactive remediation of the Euro-Mediterranean region from an environmental point of view. This volume gives a general and brief overview on current research focusing on emerging environmental issues and challenges and its applications to a variety of problems in the Euro-Mediterranean zone and surrounding regions. It contains over five hundred and eighty carefully refereed short contributions to the conference. Topics covered include (1) innovative approaches and methods for environmental sustainability, (2) environmental risk assessment, bioremediation, ecotoxicology, and environmental safety, (3) water resources assessment, planning, protection, and management, (4) environmental engineering and management, (5) natural resources: characterization, assessment, management, and valorization, (6) intelligent techniques in renewable energy (biomass, wind, waste, solar), (7) sustainable management of marine environment and coastal areas, (8) remote sensing and GIS for geo-environmental investigations, (9) environmental impacts of geo/natural hazards (earthquakes, landslides, volcanic, and marine hazards), and (10) the environmental health science (natural and social impacts on Human health). Presenting a wide range of topics and new results, this edited volume will appeal to anyone working in the subject area, including researchers and students interested to learn more about new advances in environmental research initiatives in view of the ever growing environmental degradation in the Euro-Mediterranean region, which has turned environmental and resource protection into an increasingly important issue hampering sustainable development and social welfare.
