

1. Record Nr.	UNINA9910781772803321
Titolo	Impact, monitoring and management of environmental pollution [[electronic resource] /] Ahmed El Nemr, editor
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Publishers, 2010
ISBN	1-61324-777-X
Descrizione fisica	1 online resource (660 p.)
Collana	Pollution Science, Technology and Abatement
Altri autori (Persone)	El-NemrAhmed <1962->
Disciplina	628.5
Soggetti	Civil engineering - Environmental aspects Construction industry - Environmental aspects Pollution - Measurement
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	""IMPACT, MONITORINGAND MANAGEMENTOF ENVIRONMENTAL POLLUTION""; ""CONTENTS""; ""PREFACE""; ""IMPACT OF ENVIRONMENTAL POLLUTION""; ""ABSTRACT""; ""1. INTRODUCTION""; ""What is Environmental Pollution?""; ""Environmental Pollution Causes""; ""Environmental Pollution Effects""; ""Ecosystem Effect""; ""Human Health Effects""; ""Economic Effects""; ""2. ENVIRONMENTAL POLLUTANTS AND THEIR IMPACTS""; ""What Substances are Pollutants?""; ""The Classification of Environmental Pollutants""; ""2.1. Solid Pollutants""; ""Characteristics of Solid Waste""; ""The Impacts of Solid Waste"" ""Sources of Hazardous Waste""""Impact of Hazardous Waste""; ""Biological Effects of Radioactivity""; ""2.2.Liquid Pollutants""; ""What is in Wastewater?""; ""Domestic Wastewater""; ""Agricultural Wastewater""; ""Stormwater""; ""Oil Pollution Impacts""; ""2.3. Gaseous Pollutants""; ""Impacts of Sulfur Dioxide""; ""Sources of Nitrogen Oxides""; ""Impacts of Nitrogen Oxides""; ""Sources of Ozone""; ""Impacts of Ozone""; ""Sources of Carbon Monoxide""; ""Impacts of Carbon Monoxide""; ""2.4. Other Pollutants and their Impacts""; ""3. CONCLUSION""; ""REFERENCES"" ""ENVIRONMENTAL ASPECTS AND IMPACTSOF CONSTRUCTION INDUSTRY""""ABSTRACT""; ""1. INTRODUCTION""; ""2. CONSTRUCTION PLAYERS AND THEIR ROLES, COMMITMENTAND RESPONSIBILITIES""; ""3.

IMPACTS OF CONSTRUCTION ACTIVITIES ON THE ENVIRONMENT"; ""4. LAND DEGRADATION"; ""5. LOSS OF FLORA AND FAUNA"; ""6. SOLID WASTES"; ""7. WATER POLLUTION"; ""8. AIR POLLUTION"; ""9. DEPLETION OF RESOURCES"; ""10. NOISE AND VIBRATION"; ""12. ENVIRONMENTAL ASPECTS"; ""13. HOW TO IDENTIFY ENVIRONMENTAL ASPECTS AND SIGNIFICANT IMPACTS"; ""14. MONITORING AND MEASUREMENT"; ""15. HOW TO CONDUCT MEASUREMENT""
""16. MANAGING ENVIRONMENTAL ASPECTS AND IMPACTS""""17. CONCLUSIONS"; ""REFERENCES:""; ""RADIATION IN THE ENVIRONMENT: SOURCES, IMPACTS AND USES"; ""1. INTRODUCTION"; ""2. SOURCES OF ENVIRONMENTAL RADIATION"; ""2.1. Natural Sources of Radiation"";
""2.2. Artificial Sources of Radiation""; ""2.3. Technologically Enhanced Natural Sources of Radiation""; ""3. IMPACTS OF RADIATION ON THE ENVIRONMENT"; ""3.1. Historical and Contemporary Perspectives on the Impact of Radiation""; ""3.2. Developments in the Assessment and Control of Radiological Impacts""
""3.3. Transport of Radionuclides in the Environment""""3.4. Exposure of the General Public to Natural Background Radiation""; ""3.5. Comparing Human Exposures to Natural and Artificial Sources""; ""3.6. Beneficial Uses of Radiation in the Environment""; ""REFERENCES"";
""FRESHWATER CYANOBACTERIAL (BLUE-GREEN ALGAE) BLOOMS: CAUSES, CONSEQUENCES AND CONTROL""; ""ABSTRACT"";
""INTRODUCTION""; ""1. CYANOBACTERIAL BLOOMS""; ""1.1. Temporal and Spatial Dynamics of Cyanobacterial Blooms""; ""1.2. Factors Affecting Cyanobacterial Bloom Formation and Proliferation""
""1.3. Strategies Adopted by Cyanobacteria During Bloom Formation""

2. Record Nr.	UNINA9911004766603321
Titolo	Vulnerability, uncertainty, and risk : analysis, modeling, and management : proceedings of the First International Conference on Vulnerability and Risk Analysis and Management (ICVRAM 2011) and the Fifth International Symposium on Uncertainty Modeling and Analysis (ISUMA 2011), April 11-13, 2011, Hyattsville, Maryland / / sponsored by the Council on Disaster Risk Management (CDRM) of the American Society of Civil Engineers ; edited by Bilal M. Ayyub
Pubbl/distr/stampa	Reston, VA, : American Society of Civil Engineers, c2011
ISBN	0-7844-7663-2
Descrizione fisica	1 online resource (1018 p.)
Altri autori (Persone)	AyyubBilal M
Disciplina	624.1/7
Soggetti	Structural analysis (Engineering) Public works - Protection Natural disasters - Risk assessment Hazard mitigation Fuzzy systems Uncertainty - Mathematical models Emergency management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	""Cover""; ""Contents""; ""Keynote Papers""; ""Application of Evolutionary Computing to Disaster Restoration and Prevention Problems""; ""Quantitative Risk Analysis of Damage to Structures during Windstorms: Random Field and System Reliability Aspects""; ""Imprecision, Statistics, and Simulation Method""; ""Statistical Decisions with Random Fuzzy Dataa€?A Possibilistic Approach""; ""Statistic Inference under Two Structurally Different Approaches to Interval Data""; ""Independence in Generalized Interval Probability"" ""Embodied Knowledge of Gesture Motion Acquired by Singular Spectrum Analysis""; ""Fuzzy Probability in Engineering Analyses""; ""A Process for the Estimation of the Duration of Activities in Fuzzy Project Scheduling""; ""Uncertainty Arithmetic on Excel Spreadsheets: Add-In

for Intervals, Probability Distributions, and Probability Boxes"";
""Extended Uniform Distribution Accounting for Uncertainty of
Uncertainty""; ""Efficiency Comparison of Markov Chain Monte Carlo
Simulation with Subset Simulation (MCMC/ss) to Standard Monte Carlo
Simulation (SMC) for Extreme Event Scenarios""
""Multi-Agent Simulation Considering the Influence of Leader during
Flood Disaster""""Multi-Agent Simulation to Uncertain Civilian Return
Trips during a Hypothetical Earthquake""; ""Statistical Characterization
and Prediction of Sea Waves Based on Buoy Data""; ""Measuring Validity
of Reasoning Process for Transportation Planning Using Bayesian
Inference and Dempster-Shafer Theory""; ""A Simulation Framework for
the Path Planning of Unmanned Autonomous Systems""; ""Development
of Gap Acceptance Fuzzy Models Using Data from Driving Simulator
Experiments""
""Infrastructure Risk, Management, and Protection""""Entropy Approach
to Risk-Analysis of Critical Infrastructure Systems""; ""A Survey of
Network Theoretic Approaches for Risk Analysis of Complex
Infrastructure Systems""; ""Regional Social and Economic Risks As
Conditions of Formation of Critical Infrastructure""; ""Decomposition
Methods for Restoring Infrastructure Systems""; ""Strategic Planning for
Power System Restoration""; ""Preparedness of Finnish Electricity Users
against Major Disturbances in Supply of Electric Power""; ""Development
of Spatial Risk Profiles of Cargo Rail Systems""
""Probabilistic Study of Cascading Failures in Complex Interdependent
Lifeline Systems""""Vulnerability Assessment of Infrastructure Networks
by Using Hierarchical Decomposition Methods""; ""Sustainability:
Complexity, Regulations, and Decisions""; ""A Systems Approach to
Vulnerability Assessment""; ""System Reliability Analysis of Fatigue-
Induced Sequential Failure""; ""Sample Treatment of Uncertainties in
Earthquake Portfolio Risk Analysis""; ""Probabilistic Application in
Seismic Vulnerability Assessment of Structures""
""Options for the Treatment of Uncertainty in Seismic Probabilistic
Safety Assessment of Nuclear Power Plants""

Sommario/riassunto

Proceedings of the International Conference on Vulnerability and Risk Analysis and Management (ICVRAM 2011) and the International Symposium on Uncertainty Modeling and Analysis (ISUMA 2011), held in Hyattsville, Maryland, April 11-13, 2011. Sponsored by the Council on Disaster Risk Management of ASCE. This collection contains 120 peer-reviewed papers that build upon recent significant advances in the modeling, analysis, and management of risk, vulnerability, and uncertainty. Yet, even as advancements are made in technology, new hazards appear. These papers demonstrate the transformation of intellectual discussions into robust frameworks for handling emerging vulnerabilities and risks and providing analytical bases to prepare for national and international disasters.
