1. Record Nr. UNINA9910791848703321

Titolo	Tsunamis [[electronic resource]] : causes, characteristics, warnings and protection / / Neil Veitch and Gordon Jaffray, editors
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2010
ISBN	1-61122-570-1
Descrizione fisica	1 online resource (277 p.)
Collana	Natural disaster research, prediction and mitigation series
Altri autori (Persone)	VeitchNeil JaffrayGordon
Disciplina	363.34/94
Soggetti	Tsunamis - Environmental aspects Tidal waves - Environmental aspects
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 index.
Nota di contenuto	""TSUNAMIS: CAUSES, CHARACTERISTICS, WARNINGS AND PROTECTION ""; ""TSUNAMIS: CAUSES, CHARACTERISTICS, WARNINGS AND PROTECTION ""; ""CONTENTS ""; ""PREFACE ""; ""TSUNAMIS AND POISONOUS GASES GENERATEDBY ASTEROID IMPACT IN THE BLACK SEA""; ""Abstract""; ""1. Introduction""; ""2. Contemporary Black Sea Conditions""; ""3. Recent Black Sea Tsunami Run-Up Events""; ""4. Asteroid Impacts on Earth""; ""5. Frequency of Asteroid Impacts in Black Sea""; ""6. Effects of an Asteroid Impacting the Black Sea""; ""7. Tsunami Dynamics""; ""7.1. Numerical Approach""; ""7.2. General Features of Tsunamiclaw"" ""7.3. Results""""""8. Hydrogen Sulfide Cloud Dynamics""; ""8.1. Information about Hydrogen Sulfide""; ""8.2. Hydrogen Sulfide Cloud Generation""; ""8.3. Model of Hydrogen Sulfide Down-Wind Dispersion""; ""8.4. Model Implementation""; ""8.4.1. Population Distribution""; ""8.4.2. Wind Data""; ""8.4.3. Results and Discussions""; ""9. Risks for Nuclear Explosions""; ""10. Possible Social Impacts and Prevention""; ""11. Conclusion""; ""References""; ""TSUNAMI SIMULATION RESEARCH AND MITIGATIONPROGRAMS IN MALAYSIA POST 2004 ANDAMANTSUNAMI""; ""Abstract""; ""Introduction: 26 December 2004 Tsunami"" ""Post Tsunami Research Activities in Malaysia""""""Arrival Time, Runup and Inundation""; ""Damage along Malaysian Coasts""; ""Shallow Water

Equations""; ""Numerical Model Tuna""; ""Tuna vs. Comcot""; ""Simulation Results""; ""Beach Runup""; ""Manham""; ""Role of Mangrove""; ""Numerical Algorithm""; ""An Illustrative Example""; ""Penang Case Study""; ""Forest Width 1000 M""; ""Forest Width 500 M""; ""Towards Tsunami Resilient Communities""; ""SCSTW3""; ""Academy of Sciences Malaysia""; ""MMD Established Mntews""; ""Tsunami Buoys in South China Sea""; ""Conclusion""; ""Acknowledgment"" ""References""""2004 a€? TSUNAMI CHARACTERISTICS OF WOUNDS""; ""Abstract""; ""2004 - Tsunami Characteristics of Wounds""; ""2004 a€? Thailand Tsunami [5,18]""; ""Injury and Wound Mechanics""; ""Treatment""; ""Recommendation and Conclusion""; ""Acknowledgments""; ""References""; ""APPLICATION OF COASTAL FOREST IN TSUNAMIDISASTER MITIGATION""; ""Abstract""; ""1. Introduction""; ""2. Tsunami and Coastal Forest: Problems and Prospects""; ""3. The General Role of Coastal Forest in the Reduction ofTsunami Disaster and Important Factors in Their Interaction"" ""4. Survival Capacity of a Coastal Forest against Tsunami""""Minimum Trunk Diameter""; ""Wave Thrust and Tree Breaking Moment""; ""5. Effect of Forest Density on the Reduction of Tsunami Flow""; ""Forest Density for Low-Inundation""; ""Forest Density for High-Inundation""; ""The Importance of Variation in the Forest Components""; ""Effect of Trees Arrangement in the Forest""; ""6. Effect of Forest Width on the Reduction of Tsunami Flow""; ""7. Effects of Forest Ground Topography""; ""8. Implementation""; ""9. Conclusions""; ""References"" ""COASTAL PROTECTION MEASURES FOR TSUNAMIDISASTER REDUCTION""