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Altri autori (Persone)	IpW.-H ChenYuntai
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Nota di contenuto	CONTENTS; SOLID EARTH (SE); Tracking the High-Frequency Energy Radiation Sources of the 2004 Sumatra-Andaman MW 9.0 Earthquake Using the Short-Period Seismic Data: Preliminary Result H.-L. Du, L.-S. Xu, Y.-T. Chen, C.-L. Li and K. Stammler; 1. Introduction; 2. Data; 3. Method; 4. Correction for the Slowness Vectors Using Aftershocks; 5. Tracking the Energy Sources; 6. Discussion and Conclusions; Acknowledgments; References; Rupture Process of the 2005 Southern Asian (Pakistan) MW 7.6 Earthquake from Long-Period Waveform Data Y. Zhang, Y.-T. Chen and L.-S. Xu; 1. Introduction 2. Data and Processing3. Spatio-temporal and Rupture Process; 4. Discussion and Conclusions; Acknowledgments; References; Seismic Characteristics of Strong Deep Focal Earthquakes and Associated Phenomena in Northeastern Asia J. Wang, X.-S. He and Y.-Q. Li; 1. Introduction; 2. Seismic Data; 3. Spatial-Temporal Characteristics of

Deep Focal Earthquakes; 3.1. Wavelet analysis on temporal-frequency characteristics; 3.2. Relative active and quiet periods of deep focal earthquakes; 3.3. Spatial distribution of strong deep focal earthquakes; 4. Characteristics of Strong Shallow Earthquakes and Tests
4.1. Spatial-temporal distribution of strong shallow earthquakes4.2. Test of seismic characteristics; 4.3. Seismic characteristics of Northeastern China; 4.4. Mechanism of the relationship between strong shallow earthquakes and great deep focal earthquakes; 5. Discussion and Conclusions; Acknowledgments; References; Moho Depths in the Indian Ocean Based on the Inversion of Satellite Gravity Data D. N. Arabelos, G. Mantzios and D. Tsoulis; 1. Introduction; 2. Data; 2.1. Gravity anomalies; 2.2. Digital terrain model; 2.3. CRUST 2.0; 2.4. Altimetry
3. Inversion of the Gravity Anomalies Using LSC4. Assessment of the Estimated Moho Depths in the Indian Ocean; 4.1. Based on the comparison with CRUST 2.0; 4.2. Based on isostatic reductions on JASON 1 altimeter data using Airy or the computed model; 5. Conclusions; References; Post Earthquake Debris Management - an Overview R. Sarkar; 1. Introduction; 2. Post Earthquake Debris Separation; 2.1. Vegetative debris; 2.2. Non-vegetative debris; 3. Post Earthquake Debris Management Plan; 4. Selection of Post Earthquake Debris Collection and Storage Sites
5. Types of Earthquake Debris Disposal Sites6. Transportation of Post Earthquake Debris; 8. Post Earthquake Debris Management Related to Various Phases after the Disaster; 9. Basic Rules for the Post Earthquake Debris Management; 10. Post Earthquake Debris Management Related to Night Soil, Garbage Collection, and Collapsed Structures; 11. Emergency Management Perspectives for Post Earthquake Debris Clearance; 12. Conclusion; References; OCEAN SCIENCE (OS) Buried and Surface Polymetallic Nodule Distribution in the Eastern Clarion-Clipperton Zone: Main Distinctions and Similarities R. Kotlinski and V. Stoyanova

Sommario/riassunto

Advances in Geosciences is the result of a concerted effort in bringing the latest results and planning activities related to earth and space science in Asia and the international arena. The volume editors are all leading scientists in their research fields covering six sections: Hydrological Science (HS), Planetary Science (PS), Solar Terrestrial (ST), Solid Earth (SE), Ocean Science (OS) and Atmospheric Science (AS). The main purpose is to highlight the scientific issues essential to the study of earthquakes, tsunamis, atmospheric dust storms, climate change, drought, flood, typhoons

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Autore	Di Bella Giuseppa
Titolo	Food Waste Valorization
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Descrizione fisica	1 online resource (258 p.)
Soggetti	Biotechnology Technology: general issues
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Sommario/riassunto	Food waste is becoming an important and growing concern at both local and global levels. According to the Food and Agriculture Organization of the United Nations (FAO), one-third of all food production is wasted globally, and in particular, 1.3 billion tons of food produced for human consumption is wasted per year, representing an economic loss of EUR 800 billion. The main foods wasted are represented by vegetables, fruits, meat, and fish. Considering the high availability and the composition of food waste, there is an increasing interest in their bio-valorization. Moreover, according to the global Sustainable Development Goals (SDGs 12 and 13), an appropriate waste management represents an essential prerequisite for the sustainable development.This reprint collects interesting manuscripts regarding innovative research focused on food waste valorization through fermentation processes for obtaining value-added products such as enzymes, feed additives, biofuels, animal feeds as well as other useful chemicals or products, food-grade pigments, and single-cell protein (SCP), enhancing food security and environmentally sustainable development.