1. Record Nr. UNINA9910865261403321

Autore	Abolmasov Biljana
Titolo	Progress in Landslide Research and Technology, Volume 3 Issue 1, 2024 / / edited by Biljana Abolmasov, Irasema Alcántara-Ayala, Željko Arbanas, David Huntley, Kazuo Konagai, Snježana Mihali Arbanas, Matjaž Mikoš, Maneesha V. Ramesh, Kyoji Sassa, Shinji Sassa, Huiming Tang, Binod Tiwari
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-55120-6
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (457 pages)
Collana	Progress in Landslide Research and Technology, , 2731-3808
Altri autori (Persone)	Alcántara-AyalaIrasema ArbanasŽeljko HuntleyDavid KonagaiKazuo Mihali ArbanasSnježana MikosMatjaž RameshManeesha V SassaKyoji SassaShinji
Disciplina	551 363.34
Soggetti	Natural disasters Geotechnical engineering Geographic information systems Climatology Natural Hazards Geotechnical Engineering and Applied Earth Sciences Geographical Information System Climate Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Third-year publication of the Open Access Book Series “Progress in Landslide Research and Technology” -- Part I: ICL Landslide Lesson --

Interpretation and mapping for the prediction of sites at risk of landslide disasters: from aerial photography to detection by DTMs -- Part II: Original Articles -- Observation of seismic ground motion and pore water pressure in lineated valley fill of Wakayama, southwest Japan -- Global warming may accelerate submarine landslides in the oceans - Possible disaster chain reactions -- Landslide hazard evaluation of a large waste landfill in Bogotá city -- Multiple Landslides in an Area Draped in Volcanic Matters: The Dual Impacts of Rains and Earthquakes -- Loess Landslides - Peculiarities of Deformation Mechanism -- Spatio-temporal distribution of rainfall-induced landslides in Nicaragua (2000-2022): Preliminary insights to communicate landslide disaster risk -- Emerging Seismicity Trends Linked to Catastrophic Landslides Behavior in Sri Lanka -- Centrifugemodeling of slopes subjected to groundwater flow and rainfall infiltration -- Evaluation of Assessment Models for Landslide Susceptibility Mapping in Permafrost Areas -- The slope monitoring using embedded system with optical-thermal image fusion and machine learning -- Sendai Framework Voluntary Commitments: Monitoring Landslide Stakeholders' Contributions -- Influence of intra-particle saturation ratio on strength degradation of pumice soil -- Regional debris flow hazard assessment of the Grdelica Gorge (Serbia) -- Introducing Japanese Landslide Warning and Evacuation System to Sri Lanka: Field Survey of Social Aspect in the Arayanake Area -- Towards An Optimization of Foundation Anchors of Landslide-resisting Flexible Barriers: Dynamic Pullout Resistance of Anchors -- Part III: Review Articles -- Global Promotion of Understanding and Reducing Landslide Disaster Risk: Two years on P-LRT -- Landslide prediction model based upon intelligent processing of multipoint monitoring information: A review -- Mud-mark-based Estimations of Mass-wasting Processes Caused by the 2008 Iwate-Miyagi Nairiku Earthquake, Japan -- Assessment of the Structural Geological, Hydrogeological, and Geomorphological Relationships of the Athwelthota Landslide, Sri Lanka -- Part IV: IPL Projects, World Centres of Excellence on Landslide Risk Reduction, and Kyoto Landslide Commitment 2020 -- Increasing the local road network resilience from natural hazards in municipalities in Serbia -- Recent UL FGG contributions to the 2020 Kyoto Commitment -- The integrated Landslides Monitoring System of Gimigliano Municipality, Southern Italy -- Part V: Technical Notes and Case sturdies -- Assessing landslide distribution for landform hazard zoning purposes: A case study on the western flank of Iztaccíhuatl volcano, Puebla, México -- Identification of potential natural slope failure zones by geomorphological analyses using raster slope shading of LiDAR; case study from Kegalle, Sri Lanka -- Assessing the potential rapidand long travelling landslides in Sri Lanka – A case study of Athwelthota landslide -- Experimental Study on Residual Shear Strength of Soil Using Undrained Ring Shear Apparatus -- Part VI: World Landslide Reports -- Physical mechanism and numerical simulation of landslide dam formation -- An integration of the Fractal method and the Statistical Index method for mapping landslide susceptibility.

Sommario/riassunto

This open access book provides an overview of the progress in landslide research and technology and is part of a book series of the International Consortium on Landslides (ICL). It gives an overview of recent progress in landslide research and technology for practical applications and the benefit for the society contributing to understanding and reducing landslide disaster risk.