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Autore	Panda Gopal Krishna
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Nota di contenuto	Chapter 1. Landslide Risk and Vulnerability; Real issues, Thoughts and Perspectives -- Chapter 2. Landslide Susceptibility Mapping by Using Geospatial Technique: Reference from Hofu City, Yamaguchi Prefecture, Japan -- Chapter 3. Landslide hazard risk and vulnerability monitoring – GIS based Approach -- Chapter 4. Landslide Susceptibility Mapping Methods – A Review -- Chapter 5. Mapping of Landslide Susceptibility using state-of-the-art method and Geospatial Techniques in the Rangamati District in the Chattogram Hill Tracts region of Bangladesh -- Chapter 6. Towards Artificially Intelligent Landslide Susceptibility Mapping: A Critical Review and Open Questions -- Chapter 7.Landslide

Susceptibility Analysis by Frequency Ratio Model and Analytical Hierarchical Process in Mirik and Kurseong, Darjeeling Himalaya, India -- Chapter 8. Suitability analysis of landslide susceptibility model of Uttarkashi District in Uttarakhand, India: a comparative approach between weighted overlay and multi-criteria decision analysis -- Chapter 9. Determining Land induced factors for landslide susceptibility in Indian cities -- Chapter 10. Moisture-Driven Landslides and Cascade Hazards in the Himalayan Region: A Synthesis on Predictive Assessment -- Chapter 11. Landslide susceptibility map showing the spatial relationship between various landslide factors and landslide using remote sensing and GIS-based Frequency Ratio method in Chamoli district, Uttarakhand, India -- Chapter 12. Landslide susceptibility using weighted regression model: A Geo-spatial approach -- Chapter 13. Assessment of climate change impact on landslides in Darjeeling district of West Bengal: a geospatial, geostatistical and ecosystem service based approach. -Chapter 14. Landslide vulnerability analysis of tourist spots through Shannon Entropy model : A case study on Rudraprayag, Uttarakhand -- Chapter 15. Landslide Hazard Susceptibility Analysis and Modelling in the Vicinity of the Proposed Subansiri Lower HE Project, Arunachal Pradesh. -Chapter 16. Land Use and Land Cover as a Conditioning Factor in Landslide Susceptibility: A Literature Review -- Chapter 17. A Geospatial Review Analysis of Increased Frequency of Large Glacier-Related Landslides in Mountainous Regions -- Chapter 18. Landslide Detection Using DInSAR Technique: A Case Study -- Chapter 19. Landslide Hazard Risk Assessment Using GIS and Analytical Hierarchy Process (AHP) Approach: Evidence from 2017 Rangamati Hill Tracts Landslide Event, Bangladesh -- Chapter 20. Landslide risk assessment, awareness, and risk mitigation: case studies and major insights -- Chapter 21. Community-based Landslide Disaster Mitigation on The Northern Slope of "Telaga Lele" Hill, Banjarnegara Regency, Indonesia -- Chapter 22. Evaluation of Double Fusion Satellite Rainfall Dataset in Establish Rainfall Thresholds for Landslide Occurrences over Badung regency - Bali -- Chapter 23. Landslide Susceptibility and Risk Assessment in Hilly Regions of Bangladesh: A Geostatistical and Geospatial Modeling Approach for Sustainability -- Chapter 24. Landslide Hazard and Risk Management Framework for Alaknanda Basin in the Indian Himalayan Region.

Sommario/riassunto

The book illustrates a geospatial and geostatistical approach to data analysis, modeling, risk assessment, and visualization, as well as landslide hazard management in the hilly region. This book investigates cutting-edge methodologies based on open source software and R statistical programming and modeling in current decision-making procedures, with a particular emphasis on recent advances in data mining techniques and robust modeling in torrential rainfall and earthquake induced landslide hazard.