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Nota di contenuto	Environmental Engineering for Ecosystem Restoration- An Introduction -- Trends and Environmental Impact of Paper Consumption: A Prognostic Scenario for the Indian Market by 2030 - A Case Study -- An Experimental Study on Optimal Evaluation and Operational Conditions of Thermal Energy Storage Systems in Green Building -- Assessment of Health Risks Associated with Long Term Environmental Noise Exposure in Silence Zones of Delhi City -- Strategies of Passive Design Buildings in Cold and Arid Climates: A Review -- Gis-based Assessment of Groundwater Quality and Suitability for Drinking Purposes in Smart City Bhubaneswar, Odisha, India -- Spatiotemporal Variability of Short-term Meteorological Drought for Semi-arid North Gujarat Region, India -- Reservoir Induced Spatio-temporal Changes in Land- Use/Land-cover Pattern of Bagalkot Due to Submergence Using Remote Sensing and GIS -- Assessment of Drought Vulnerability Using Meteorological Drought Index in Shimsha Basin -- Landslide Vulnerability in theSangu-matamuhuri River Basin of Southeast Bangladesh -- Spatio-temporal Trend of Monthly and Annual Rainfall in Mahi Lower River Basin, Gujarat, India -- Drainage Morphometric

Analysis of a Challakere Watershed Using Remote Sensing and Geographical Information System -- Electrochemical Systems for Degradation of Colored Compounds from Textile Industry Effluent -- Contemporaneous Adsorption Analysis for Removal of Dyes from Multi-dye System -- Competitive Adsorption Analysis for Removal of Methyl Orange and Rhodamine-b Dyes Using Fixed- Bed Carbon Column.

Sommario/riassunto

This book presents select proceedings of the International Conference on Interdisciplinary Approaches in Civil Engineering for Sustainable Development (IACESD 2023) hosted under the aegis of the Group of Twenty (G20) and Civil 20(C20) at Jyothy Institute of Technology, Bengaluru, India. The topics covered include resilient approaches towards environmental sustainability and combating climate, study of natural hazards and their impacts, resilient infrastructure and land-use planning strategies, climate adaptation and mitigation measures, green infrastructure, coastal protection, and urban heat island reduction. This book serves as a resource material for researchers and industry professionals interested in developing solutions for sustainable and resilient infrastructure that aims for communities with Net Zero Targets.