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Nota di contenuto	Water Quality Assessment of Streams of Doon Valley, Dehradun, Uttarakhand -- Synthesis and Medicinal Importance of Benzoxazine, Benzoxazinone and their Derivatives: A short review -- A review on Onshore drilling for Oil and Gas Production with its safety barrier and well control method -- Cultivation Effectiveness and Efficiency using 5S methodology -- COVID19: Impact on environmental parameters during the lockdown period in India -- Impact of Lockdown due to COVID 19 Pandemic on Air Quality of Global Environment -- Stress condition modeling to optimize mud weight window for efficient drilling -- COVID-19 Fallout: India, Power Sector and Lockdown -- Assessing the Impact of Novel Coronavirus (COVID-19) on Renewable Energy Sector of India during the lockdown -- Study of the ecological effect of bismuth layered structured ferroelectric materials over lead zirconate

titanate -- Convalescent the ecosystem by enhancing the life cycle of lubricants with blended Nano oxides -- Traditional and Modern Agriculture Implements Used in Agro Sciences - A Case Study in the Part of National Capital Region of Uttar Pradesh, India -- Synthesis, Characterization and Evaluation of Iron-molybdenum Oxide Catalyst for the Hydrothermal Liquefaction of Wastewater to Bio-oil -- Synthesis characterization and Biological Aspects of Novel Indole Derivatives -- A Review of Challenges and Safety Measures in Petroleum Industry during COVID-19 -- Sustainable City Planning Strategy Review for Next-Level Technology, Earthquake-Resistant Buildings, Dehradun City -- Investigation of Energy Generation on Large Rotary Wing Unmanned Aerial Vehicle's Propeller using Coupled Engineering Approaches -- Beneficiation Study of Barsuan Iron Ore Slime to Produce Pellet Grade Concentrate -- Effect of Different Temperature on Host Susceptibility to SMV- Mild and SMV-Severe Isolates of Soybean(*Glycine max*) -- Development of a conceptual safety culture framework to enhance workplace safety -- Implementation of Total Quality Management in Construction Industry -- Study on Effective Management of Total Suspended Particulate Matter Generated at a High-Rise Building Construction Site -- Women empowerment and Sustainable development in Uttarakhand: challenges and strategies – A case study of selected villages of Dehradun City -- Varietal reaction on the Cultivators of *Cucurbita Pepo* against two different isolates of Pumpkin Mosaic Virus -- A new method for estimation of staircase evacuation time in high rise buildings -- Study of Carbon Emission during taxi-out operation at International Airport, India -- Healthcare Sustainability through Technological Innovations -- An envelopment analysis by benchmarking the criteria of GRIHA in performance assessment of green building -- Dependence of Physiochemical Features on Marine Chlorophyll Analysis with Learning Techniques -- COVID-19 Spreading Prediction and Impact Analysis by using Artificial Intelligence for Sustainable Global Health Assessment -- Smart Mucoadhesive Bioflexyfilm former from pulp of *Magnifera indica* and its in-built properties for pharmaceutical applications -- Varietal evaluation in okra for yield and yield attributing traits under mid-hill conditions of Garhwal Himalayas -- Population assessment and Phyto-Chemical screening of *Meconopsis aculeata* Royle an Endangered Medicinal Plant of Western Himalaya -- Multi Disciplinary Analyses on Hydro Rotor using Computational Hydrodynamic Simulation (CHS) -- Sand-gravel mining as a threat to macro-benthic assemblage and habitat parameters: A case study of river Ganga, India -- Organizational Safety Perfection Survey – A tool to identify and correct organizational contributors for Industrial accidents -- Comparative assessment of performance and emission characteristics of DI diesel engine fueled with combined blending of biodiesel, butanol and conventional diesel.

Sommario/riassunto

This book presents the proceedings of the First National Conference on "Sustainable Management of Environment & Natural Resource through Innovation in Science and Technology" (SMTST2020). The book highlights the latest development and innovations in the fields of sustainability, natural resource management, ecology and its environmental fields, geosciences and geology, atmospheric sciences, sustainability, climate change, and extreme weather, global warming, and global change, the effect of climate change on the ecosystem, environment, and pollution, as well as putting a strong emphasis on the multidisciplinary studies.
