1. Record Nr. UNINA9910299418703321

Titolo	Climate Change Impacts : Select Proceedings of ICWEES-2016 / / edited by Vijay P Singh, Shalini Yadav, Ram Narayan Yadava
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018
ISBN	981-10-5714-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIX, 317 p. 111 illus., 99 illus. in color.)
Collana	Water Science and Technology Library, , 0921-092X ; ; 82
Disciplina	551.6
Soggetti	Environmental sciences Climate change Environmental Science and Engineering Climate Change/Climate Change Impacts Climate Change
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Trends in Temperature for the Himalayan Environment of Leh (Jammu and Kashmir), India, by Rohitashw Kumar -- 2. Changes in Sunshine Duration in Humid Environments of Agartala (Tripura), India, by D. Jhajharia -- 3. Application of Multiple Linear Regression as Downscaling Methodology for Lower Godavari Basin, by Gayam Akshara -- 4. Statistical Downscaling of Minimum Temperature of Raipur (C.G.) India, by R.K. Jaiswal -- 5. Statistical Downscaling of Daily Temperature and Precipitation Data from Coupled Model Inter-Comparison Project 5 (CMIP5)-RCPs Experiment: In Weyib River Basin, Southeastern Ethiopia, by Abdulkerim Bedewi Serur -- 6. Global Climate Pattern Behind Hydrological Extremes in Central India, by Kironmala Chanda -- 7. Changes in ENSO and IOD Effects on the Extreme Rainfall of Hyderabad City, India, by V. Agilan -- 8. Detecting Changes in Regional Rainfall Series in India using Binary Segmentation based Multiple Change-pointDetection Techniques, by Shagufta Akbari -- 9. Analyzing Non-stationarity in the Hyderabad City Rainfall Intensity-Duration-Frequency Curves, by V. Agilan -- 10. Development of Finer Resolution Rainfall Scenario for Kangsabati Catchment and Command, by P. M. Dhage -- 11. Investigation of the Relationship Between Natural

Aerosols and Indian Summer Monsoon Rainfall Using a Climate Model, by Charu Singh -- 12. Change Point Analysis of Air Temperature in India, by Chithra N R. 13. Greenhouse Gas Emissions from Sewage Treatment Plants Based on Sequential Batch Reactor in Maharashtra, by Vipin Singh -- 14. Study of Climate Change in Uttarakhand Himalayas: Changing Patterns of Historical Rainfall, by Archana Sarkar -- 15. The Impact of Climate Change on Rainfall Variability: A Study in Central Himalayas, by L. N. Thakural -- 16. Estimation of Changes in Annual Peak Flows in Netravathi River Basin, Karnataka, India by Fasnamol T M -- 17. Potential Impacts of Climate Change on Water Resources in Semi-Arid Region of Chittorgarh, India, by Ajit Pratap Singh -- 18. Water Availability under Changing Climate Scenario in Ur River Basin, by Thomas T. -- 19. Water Sustainability Assessment Under Climatic Uncertainty- A Case Study of Chhattisgarh (India), by Surendra Kumar Chandniha -- 20. Coupling of Tennant concept with Standardized Precipitation Index (SPI) for the prediction of environmental flow condition from rainfall in Upper Narmada basin, by Kumar Amrit -- 21. Assessment of Drought in Balangir District of Odisha, India Using Drought Indices, by A. Sudarsan Rao -- 22. Impact Of Hfc Fire Extinguishing Clean Agents On Climate Change And Its System Design Requirements For Fire Hazards In India- A Brief Study.

Sommario/riassunto

This book comprises the select proceedings of the International Conference on Water, Environment, Energy and Society. The book is divided into four parts. Part I deals with some aspects of climatic characteristics ranging from changes in temperature and sunshine hours to downscaling to global climate patterns and effects of El Niño-Southern Oscillation (ENSO) and Indian Ocean Dipole (IOD) on extreme rainfall. Part II covers rainfall analysis, including changes in regional rainfall series, analysis of non-stationarity, summer monsoon and rainfall scenarios. Impacts of climate change are treated in Part III. Change point analysis, greenhouse gas emissions, rainfall variability, water resources variability, and water resources sustainability are discussed in this part. The concluding Part IV is on low flow and drought. It deals with the Standardized Precipitation Index (SPI) concept and assessment of drought. This book is of interest to researchers and practitioners in the field of water resources, hydrology, environmental resources, agricultural engineering, watershed management, and earth sciences, as well as those engaged in natural resources planning and management. Graduate students and those wishing to conduct further research in water and environment and their development and management find the book to be of value.