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| Titolo                  | Sustainability of Water Resources : Impacts and Management / / edited by Basant Yadav, Mohit Prakash Mohanty, Ashish Pandey, Vijay P. Singh, R. D. Singh   |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022  |
| ISBN                    | 3-031-13467-2  |
| Edizione                | [1st ed. 2022.]  |
| Descrizione fisica      | 1 online resource (414 pages)  |
| Collana                 | Water Science and Technology Library, , 1872-4663 ; ; 116  |
| Disciplina              | 628.1683<br>333.91   |
| Soggetti                | Water<br>Hydrology<br>Sustainability<br>Climatology<br>Geographic information systems<br>Environmental management<br>Climate Sciences<br>Geographical Information System<br>Environmental Management   |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Nota di bibliografia    | Includes bibliographical references.   |
| Nota di contenuto       | Water: How Secure are We under Climate Change? -- Influence of stemflow measurement on interception estimation under Eucalyptus plantations -- Strategic Human Resources in Water Sources Development -- Water Budget Monitoring of the Ganga River Basin using remote sensing data and GIS -- Evaluation of SWAT Model for Simulating the Water Balance Components for the DudhKoshi River Basin in Nepal -- Development Policy Framework Towards Riverfront Development (RFD)- A Study on Mula- Mutha Riverfront Pune, Maharashtra, India -- Rejuvenating Water Wisdom: A Route to Resilience. . |
| Sommario/riassunto      | This book covers a wide spectrum of water resources management, including water supply and demand, operation and maintenance of  |

water distribution systems, water quality assessment, impacts of climate change on hydrological extremes, and water governance. Rapid urbanization, industrialization, and population growth are the major factors contributing to a significant rise in water demands across all the sectors in India. Although the Indian Summer Monsoon Rainfall contributes primarily to the available surface and groundwater resources, recurrent non-uniform/erratic rainfall events have resulted in widespread water scarcity. On many occasions, extreme meteorological conditions trigger the severity of water-related disasters such as floods and droughts. The untreated wastewater from domestic and industrial sources discharged through un-engineered means, adds to the issue as it ends up polluting the surface and groundwater resources. .

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