

Book Description

Hydrology is a key influence on water security, environmental sustainability, agricultural production, energy, and transport, especially in unique environments such as arid regions and the tropics, where degradation issues on water and land can threaten the livelihoods of poor communities. With implications in urbanization, landscape architecture, and sanitation, enhancing the practice of water use, management, and planning is imperative for the sustainable development of these regions.

Hydrology and Water Resources Management in Arid, Semi-Arid, and Tropical Regions is an essential research publication that seeks to improve scientific understanding and sharing of data in hydrology and integrated water resources management of arid, semi-arid, and tropical regions in order to enhance water governance and alleviate reduction in the vulnerability of water resources systems to global changes. Featuring a wide range of topics such as hydrometeorology, sustainable development, and climate change, this book is ideal for researchers, technology developers, academicians, policymakers, government officials, and students.