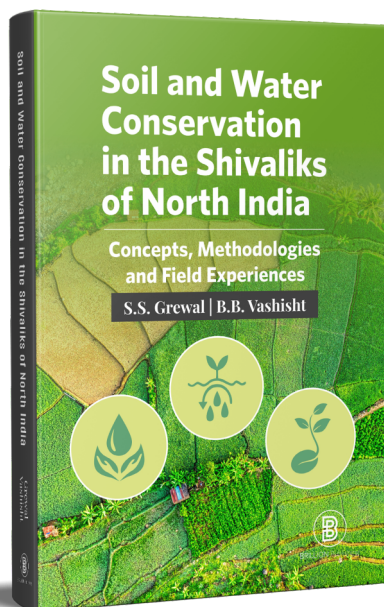




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Soil and Water Conservation in the Shivaliks of North India

Concepts, Methodologies and Field Experiences

Voluminous information is available in diverse sources both in research and development domain about degradation of natural resources in the vulnerable *Shivalik* ecosystem resulting in adverse ecological, economic and social impacts. However, no comprehensive document has so far been compiled to critically analyze these problems in historical perspective, implementation of various state, central and foreign supported soil and water conservation/watershed development schemes and projects to address these challenges including analysis of success and failures and lessons learnt. The land degradation problems have been highlighted taking global, national and regional perspective. The planning, design and implementation details of biological and mechanical measures for soil erosion control have been explained with working examples. The important water resources conservation and management principles, and practices of earthen dams, base flow harvesting, dugout and renovation of ponds, spring and roof water harvesting including the impact assessment have been deliberated in 19 self contained chapters with comprehensive review of literature. The information in this book would be useful for students, researchers, policy planners, fellow research workers, young officers, field functionaries, funding & implementing agencies and other stakeholders engaged in ecological restoration in *Shivaliks*.

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S.S. Grewal | B.B. Vashisht

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