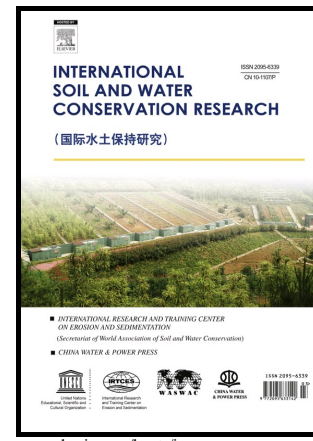


DESIGNING A WATERSHED SCORECARD
AS A PERFORMANCE EVALUATION TOOL
FOR UR RIVER WATERSHED, TIKAMGARH
DISTRICT, MADHYA PRADESH

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**DESIGNING A WATERSHED SCORECARD AS A PERFORMANCE
EVALUATION TOOL FOR UR RIVER WATERSHED, TIKAMGARH DISTRICT,
MADHYA PRADESH**

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Abstract

The present study is an attempt to design a watershed scorecard by identifying and evaluating selected set of indicators, such as surface water quality, ground water quality, soil condition, agriculture condition, and forest condition, which accurately reflect the health of the watershed. To have a better understanding and have first-hand knowledge on the concept of watershed scorecard, Ur River Watershed in Tikamgarh District, Madhya Pradesh was taken as a case study to assess the watershed health. Evaluation was done by calculating different indices for the selected set of indicators and comparing them with the National standards and guidelines. Basis the performance of each indicator, the grades were assigned to the indicators which helped in designing of a watershed scorecard. The results revealed that within the watershed, the forest and soil conditions need a considerable amount of improvement in order to maintain the ecosystem whereas the surface water quality, groundwater quality and the agricultural conditions requires protection as well as enhancement in some areas.

Keywords

Watershed Scorecard; Ur River; Bundelkhand; Water Quality; Agricultural Condition

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