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Environmental Quality Estimation using Diffuse Logic in the Machetá River Hydrographic Basin (Cundinamarca, Colombia)

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Abstract : This paper considers the estimation of the concurrent environmental quality evaluated in the conditions of Macheta River Basin (Cundinamarca, Colombia), integrating the variables water quality (BOD, TSS, N-NO₂ and P_{total}) and precipitation in a collaborative model, using the fuzzy logic artificial intelligence technique to emulate the evaluation performed by a group of experts.

Key Words : Fuzzy logic, watershed, environmental quality.

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