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Environmental Quality Assessment in the Bogotá River Basin (Colombia) using Particle Swagging

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Abstract : This paper presents the concurrent environmental quality assessment evaluated for the conditions of the Bogota River Basin, integrating the water quality variables (BOD, TSS, N and P_{total}-NO₂) and precipitation in a collaborative model, using the artificial intelligence technique “particles swarm” to emulate the assessment performed by a group of experts.

Key Words : Watershed, particle swarm, environmental quality.

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