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(57) Abstract :

The present invention relates to an automating water quality assessment system using IoT-enabled drone. A system and method for monitoring water quality using the drone system of any preceding claim, comprising the steps of launching the drone, navigating to a desired location, landing on a water surface, collecting real-time data with the integrated sensors, transmitting said data to a remote location, and analyzing the data for water quality assessment. Overall, this drone enhances water resource management, supports the preservation of ecosystems, and ensures the protection of clean water sources.

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