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## THE STUDY OF THE O<sub>3</sub>/UV ADVANCED OXIDATION PROCESSES FOR A SWIMMING POOL WATER TREATMENT

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### **Abstract**

The O<sub>3</sub>/UV advanced oxidation in an aqueous solution is one of the advanced oxidation processes that are the most intensely investigated in the last decade, notably owing to the high degree of applicability in the field of water treatment. This work aims at practically tackling with such a process by means of real scale studies performed on a pilot station, used for swimming pool water treatment and disinfection, simultaneously with numerically modeling the system. The experimental data obtained, compared to the information provided by the numerical modeling operations made, can constitute the departing point for drawing up a predictive pattern for such systems.

*Key words:* advanced oxidation, ozone, UV, water treatment

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