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Integrated Advanced Oxidation Process for Recalcitrant Wastewater Treatment



▶ MORE INFORMATION

MEGA-TREND

- **Water and Transport**

TECHNOLOGY READINESS LEVEL (TRL)

- **TRL 4**

PATENT/ GRANTED NUMBER

- **MY-184888-A**

▶ TECHNOLOGY OVERVIEW

A process of treating wastewater comprising the steps of inserting an ozonator into a source of wastewater to degrade contaminants in said wastewater; characterized by introducing said wastewater containing ozone gas into a UV reactor to completely degrade said contaminants through photo-Fenton process; and subjecting said photo-Fenton treated solution into a membrane module to degrade recalcitrant contaminants resulting in treated water wherein said photo-Fenton process involves homogenous and heterogeneous Fenton oxidation in combination with UV irradiation; wherein said photo-Fenton process is performed at a pH in a range of 2 to 5.

CONTACT US!

Dr. Lee Ching Shya, RTTP

UMCIE Business Officer

Email: leecs@um.edu.my

Phone: +603 – 7967 7352 / 013-2250151