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CHEMICAL SONOREACTORS IN ENVIRONMENTAL APPLICATIONS

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Abstract

Ultrasounds has a wide range of active applications spreading in solid, liquid and gaseous mediums, embedded in new methods and technologies for preventing, reducing and removing of existing pollution.

This paper deals with the sonochemistry reactors and their combinations with photocatalysis and electrochemistry. Various parameters such as ultrasound frequency, power, number of ultrasound sources, lab-scale or large-scale equipment used for environmental applications of sonochemical reactors have been analysed using examples available in the literature.

Key words: sonoelectrochemistry, sonochemistry, sonoreactors, ultrasounds

Received: July, 2018; *Revised final:* August, 2018; *Accepted:* August, 2014; *Published in final edited form:* August 2018

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