



## Disinfection of waste water with ultrasound

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In the rural areas the decentralized water treatment systems represent more efficient and economical solutions than the ones offered by the centralized system. Due to the fact that the droughts in Europe has become more severe the use of purified sewerage water for irrigations can be an optimum solution for agriculture. The paper pursues to present the ultrasound disinfection of water which generates cavitation. The institute from Aachen studies this method. This method is applied in small water treatment stations, being estimated that in 2015 will be runned about 20 millions of such stations in Europe.