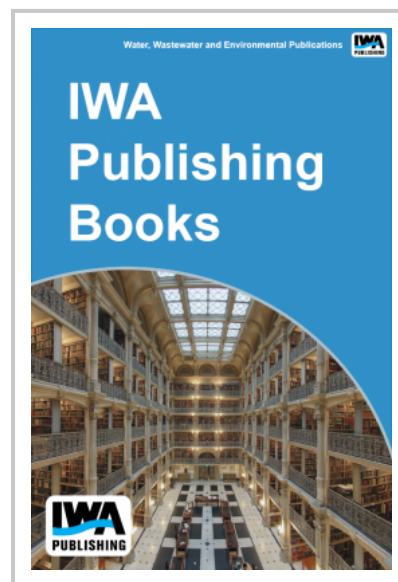


# Ultrasonic Destruction of Surfactants: Application to Industrial Wastewaters

This research focused on the use of sonication to destroy surfactants and surface tension properties in industrial wastewaters that affect traditional water treatment processes. We have investigated the sonochemical destruction of surfactants and a chelating agent to understand the release of metals from surfactants during sonication. In addition, the effects of physical properties of surfactants and the effect of ultrasonic frequency were investigated to gain an understanding of the factors affecting degradation.

Successful partial or total destruction of surfactants resulting in the release of metals bound to surfactants may result in a significant cost savings of treatment plants.



**Publication Date:** 01/12/2003

**ISBN13:** 9781843396369

**eISBN:** 9781780404080

**Pages:** 46

**Print:**

**Standard price:** £29 / €36 / \$44

**Member price:** £22 / €27 / \$33

**eBook:**

**Standard price:** £29 / €38 / \$50

**Member price:** £22 / €29 / \$38