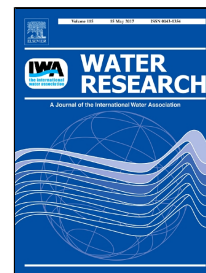


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Anodic oxidation of surfactants and organic compounds entrapped in micelles –
Selective degradation mechanisms and soil washing solution reuse

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Highlights

- High surfactant concentration and low current density hinder surfactant oxidation.
- Steric hindrance phenomenon hampers anodic oxidation of micelles.
- Micelles act as a protective environment for entrapped organic compounds.
- Free extra-micellar compounds are available for oxidation, according to K_m .
- Selective degradation and soil washing solution reuse was achieved at 2.1 mA cm^{-2} .

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