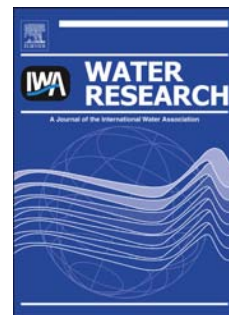


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Comparisons between abiotic nitration and biotransformation reactions of phenolic micropollutants in activated sludge

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**Highlights**

- Postulation of a mechanism for the abiotic nitration of phenolic micropollutants in activated sludge.
- Reaction kinetics allow for an estimation of the extent of nitration for a given set of conditions in activated sludge.
- Identification of sulfate conjugation of phenolic micropollutants as a common microbial process in biological wastewater treatment.

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