



2105

Treatment of wastewater

TREATMENT OF PHENOLIC AND ANILINE-RELATED
COMPOUNDS FROM WASTEWATERS

DESCRIPTION

Researchers at Plapiqui have experience in the treatment of phenolic and aniline related compounds from wastewaters , using an Advanced oxidation Process (AOP) without complex or expensive equipment. The process uses inexpensive materials as catalysts and has high activity and selectivity. It is a Multistep Remediation Process using adsorption and oxidation reactions. Other characteristics are:

- Ad-hoc catalyst design
- May use new materials like nanozymes as catalysts
- May use new magnetic materials as supports of magnetic catalysts
- Focus in wastewaters from textile, paper and polymer industries
- Also applicable to lignin degradation and oxidation

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