

REVIEWER'S REPORT

Manuscript No.: IJAR-58597

Title: Abattement du chrome par l'electrocoagulation des eaux uses de tannerie

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality			x	
Techn. Quality		x		
Clarity		x		
Significance			x	

Reviewer's ID: JPR-171

Detailed Reviewer's Report

This manuscript presents an experimental study on chromium removal from tannery wastewater by electrocoagulation, achieving impressive reduction from 16.59 mg/L to 0.01 mg/L. However, significant issues require major revision. The abstract is repetitive and contains minor language errors (e.g., "inférieur"). The introduction lacks a clear statement of the research gap and fails to contextualize the work within existing electrocoagulation literature. The methodology section omits critical details: the number of replicates, statistical treatment of results, and calibration standards for ICP-MS analysis. The reporting of pH values is confusing the abstract states pH 7.15 and 8.59, but results discuss pH 7.15 to 9.07 without clarification of which pH corresponds to optimal removal. The discussion is weak, merely restating findings rather than comparing with similar studies or explaining the mechanisms of chromium removal. References are inconsistently formatted with incomplete citations. The conclusion is repetitive and lacks clear practical recommendations for scaling up the process. The authors must clarify their experimental design, provide statistical validation, correct the pH discrepancy, strengthen the discussion with comparative analysis, and improve overall presentation and referencing quality. With substantial revision, this work could make a meaningful contribution to industrial wastewater treatment in Mali.