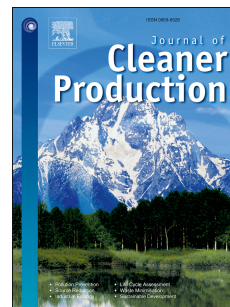


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Process intensification strategies for enhanced holocellulose solubilization:  
Beneficiation of pineapple peel waste for cleaner butanol production

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