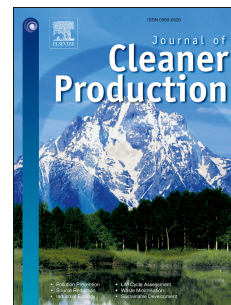


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Bi-objective optimization of biochar-based carbon management networks

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## Research Highlights

- Biochar-based CMNs can be used as a climate change mitigation strategy.
- A trade-off between profit and CO<sub>2</sub> sequestration exists in a biochar-based CMN.
- A unique sequestration factor is proposed to account for biochar-soil interactions.
- Complex biochar-soil interactions can substantially affect carbon sequestration.

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