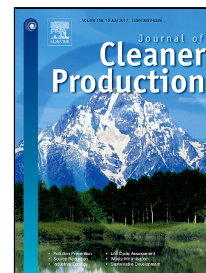


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Recovery of humic substances from leachate nanofiltration concentrate by a two-stage process of tight ultrafiltration membrane



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Highlights

- A promising approach by using a two-stage TUF process for recycling HS was proposed.
- The effects of operating factors on the TUF membrane performance were determined.
- Concentration and desalting performance for the two-stage TUF process were performed.
- The end concentrate can meet the requirements as water-soluble fertilizer containing HS.
- Technical feasibility of recovery of HS by a two-stage TUF process is confirmed.

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