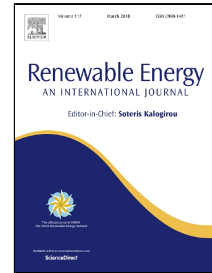


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International vs. domestic bioenergy supply chains for co-firing plants: the role of pre-treatment technologies

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Highlights

- This study evaluates torrefaction and pelletization within international biomass supply chains
- A model for calculation of costs and carbon emissions of relevant logistics is presented
- Torrefaction renders long distance supply chains more competitive to short distance supply chains
- Electricity emission factors of export countries affect carbon emission balance of supply chains
- Energy density of torrefied pellets is essential for environmental and economic sustainability

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