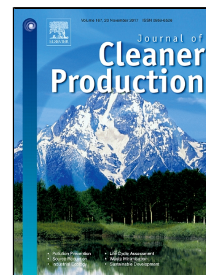


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A graphical dual objective approach for minimizing energy consumption and carbon emission in production planning



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Highlights

- Methodology for production planning of different process routes is proposed.
- Production planning considers two objectives: carbon emission and energy consumption
- One of the objective is minimized while other is constrained within a predefined limit
- Inclusion of a process route is based on its Prioritized Minimizing Objective Factor

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