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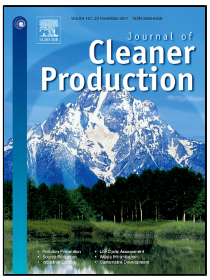

Towards the optimization of sustainable food-energy-water systems: a stochastic approach

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- Interactions among the nexus are explored through the design of small scale systems
- The greenhouse is the smallest scale of sustainable food-energy-water (FEW) systems
- A quantitative modeling is used to estimate the cost of sustainable FEW systems
- The energy component is the most critical element of a sustainable FEW system

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