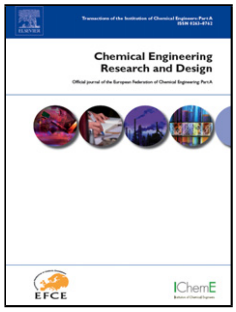

Title: Power Generation from Algae Employing Enhanced Process Integration Technology

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Highlights

- Integrated power generation system utilizing algae was proposed
- The system consists of drying, gasification and combined cycle
- Enhanced process integration was applied to minimize exergy destruction
- High power generation efficiency, about 60%, was achieved
- Effect of fluidization velocities and turbine inlet temperature were clarified