



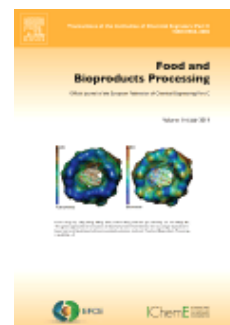
FOOD AND BIOPRODUCTS PROCESSING

Publication of the [Institution of Chemical Engineers](#)

AUTHOR INFORMATION PACK

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- Bioprocess modelling and optimisation
- Bioseparation
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- Bioreactor design, instrumentation and control
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- Production formulation
- Sterile processing
- Systems biology and biological engineering
- Nanobiotechnology

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- Process integration of biorefineries
- Feedstock fractionation and separation in relation to biorefinery integration
- Biorefineries and the Food-Energy-Water nexus
- Biorefinery value chain optimisation
- Integration of biorefinery concepts with food processing
- New functional food ingredients and non-food materials made feasible through the biorefinery context
- Biorefinery sustainability metrics
- Dynamic modelling and analysis of biorefinery systems

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- Engineering for food safety
- Environmental issues in food manufacture
- Minimal processing techniques
- Packaging
- Plant, process and product design
- Processing and microstructure interactions
- Unit operations, process modelling and optimisation in food engineering

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- Good manufacturing practice
- Hazard analysis
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