



FOOD AND BIOPRODUCTS PROCESSING

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

AUTHOR INFORMATION PACK

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DESCRIPTION

FBP aims to be the principal international journal for publication of high quality, original papers in the branches of **engineering** and **science** dedicated to the **safe processing of biological products**. It is the only journal to exploit the synergy between **biotechnology**, **bioprocessing** and **food engineering**.

Papers showing how research results can be used in engineering design, and accounts of experimental or theoretical research work bringing new perspectives to established principles, highlighting unsolved problems or indicating directions for future research, are particularly welcome. Contributions that deal with new developments in equipment or processes and that can be given quantitative expression are encouraged. The journal is especially interested in papers that extend the boundaries of **food** and **bioproducts processing**.

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- Primarily concerned with food formulation
- That use experimental design techniques to obtain response surfaces but gain little insight from them
- That are empirical and ignore established mechanistic models, e.g., empirical drying curves
- That are primarily concerned about sensory evaluation and colour
- Concern the extraction, encapsulation and/or antioxidant activity of a specific biological material without providing insight that could be applied to a similar but different material,
- Containing only chemical analyses of biological materials.

The journal publishes regular special issues focusing on specific topics

Core topic areas:

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- Biocatalysis and biotransformations
- Bioprocess modelling and optimisation
- Bioseparation
- Fermentation and cell culture

- Bioreactor design, instrumentation and control
- Microbial physiology and engineering metabolic
- Production formulation
- Sterile processing
- Systems biology and biological engineering
- Nanobiotechnology

Food and drink process engineering

- 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

Hygienic manufacture and product safety

- Fouling and cleaning
- Good manufacturing practice
- Hazard analysis
- Heating and cooling methods, including freezing, pasteurisation and thermal sterilisation
- Hygienic design
- Non-thermal processes
- Process analytical technology (PAT)
- Regulation and validation.

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Papers that are not likely to be published are those:

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- that are empirical and ignore established mechanistic models, e.g., empirical drying curves
- that are primarily concerned about sensory evaluation and colour
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Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2010. The art of writing a scientific article. *J. Sci. Commun.* 163, 51–59.

Reference to a book:

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