CHEMICAL ENGINEERING RESEARCH AND DESIGN
Publication of the Institution of Chemical Engineers

AUTHOR INFORMATION PACK

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DESCRIPTION

CHEDR aims to be the principal international journal for publication of high quality, original papers in chemical engineering.

Papers showing how research results can be used in chemical 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 plant or processes and that can be given quantitative expression are encouraged. The journal is especially interested in papers that extend the boundaries of traditional chemical engineering.

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- Physical properties and thermodynamic models/methods
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- Process equipment characterisation
- Process modelling, simulation and optimisation

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- Reactive flow
- Turbulent flow
- Microfluidics
- Multiphase flow
- Computational fluid dynamics
- Porous media flow
- Interfacial flows, coating & wetting phenomena
- Complex fluids
• Non-Newtonian fluids
• Flow visualization

**Heat and mass transfer**

• Mechanisms of heat and mass transfer
• Multicomponent mass transfer
• Simulation of heat and mass transfer processes
• Simultaneous heat and mass transfer

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• Fundamental properties of interest to processing of materials
• Injection moulding of materials
• In-line measurement and control of material processes
• Morphological development processes
• Pre-processing, shaping, multi-layering and finishing of final product form
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• Structure-function relationships in products and relevant systems
• Tailoring chemical products and materials for end-use applications

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• Formation and synthesis of particulates
• Kinetics of particulate processes
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• Product formulation and rheology

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• Pharmacokinetic and pharmacodynamic modelling
• Design, characterisation and modelling of drug delivery systems

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• Techno-economic analysis

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• Reactive flows
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• Separation by phase change

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List: References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication.

Examples:
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Reference to a journal publication with an article number:

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Reference to a chapter in an edited book:

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