



CHEMICAL ENGINEERING RESEARCH AND DESIGN

Official Journal of the [European Federation of Chemical Engineering](#)

AUTHOR INFORMATION PACK

TABLE OF CONTENTS

●	Description	p.1
●	Impact Factor	p.3
●	Abstracting and Indexing	p.3
●	Editorial Board	p.3
●	Guide for Authors	p.5



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DESCRIPTION

ChERD 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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- Hydrodynamics, heat and mass transfer in separation equipment
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- Process design, operation and intensification
- Process equipment characterisation
- Process modelling, simulation and optimisation

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- All aspects of fluid flow in chemical and/or process vessels

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- Multicomponent mass transfer
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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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- Facilities
- Oil and gas transport
- Well and reservoir oil, gas and water flow behaviour
- Well treatments and fracturing

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- Formation and synthesis of particulates
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- Product formulation and rheology

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- Design, characterisation and modelling of drug delivery systems

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- Process design and integration
- Process modelling, simulation and optimization
- Process operations and control
- Techno-economic analysis

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- Reaction kinetics
- Reactive flows
- Reactor development, modelling and scale-up

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- Absorption science and technology
- Green processes
- Intensification and integration of separation processes
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