# SOUTH AFRICAN JOURNAL OF CHEMICAL ENGINEERING

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## DESCRIPTION

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The journal has a particular interest in publishing papers on the unique issues facing chemical engineering taking place in countries that are rich in resources but face specific technical and societal challenges, which require detailed knowledge of local conditions to address.

Core topic areas are:

### Environmental process engineering
- treatment and handling of waste and pollutants
- the abatement of pollution, environmental process control
- cleaner technologies
- waste minimization
- environmental chemical engineering
- water treatment

### Reaction Engineering
- modelling and simulation of reactors
- transport phenomena within reacting systems
- fluidization technology
- reactor design

### Separation technologies
- classic separations
- novel separations

### Process and materials synthesis
• novel synthesis of materials or processes, including but not limited to nanotechnology, ceramics, etc.

**Metallurgical process engineering and coal technology**

• novel developments related to the minerals beneficiation industry

• coal technology

**Chemical engineering education**

• guides to good practice

• novel approaches to learning

• education beyond university

Submissions are not restricted to the above fields and topics and the journal is keen to receive papers covering the broad range of topics within and allied to chemical engineering. This list is to include, amongst other topics, process safety; food engineering; bioprocess engineering; sustainability, thermodynamics and energy research.

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Bronwyn Engelbrecht
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