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- Chemical Engineering dealing with the chemical and biochemical conversion of raw materials into different products as well as the design and operation of plants and equipment.

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- Separation science and technology
- Particle technology and fluidization

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- Process design, integration, operation and intensification
- Techno-economic analysis

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- Environmental separation processes
- Environmental bioprocesses
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- Clean process technology
- Green processes
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- Unit operations and process systems used in the production of pharmaceuticals and cosmetic products

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