The Chemical Engineering Journal focuses upon three aspects of chemical engineering: chemical reaction engineering, environmental chemical engineering, and materials synthesis and processing.

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Stephen Allen: Adsorption (liquid and gas); Ion exchange; Water treatment (physico/chemical methods); Air/gas treatment, NOx control, CO2 capture; Constructed wetlands and reed beds for water treatment; Agricultural wastes (liquid and solid); Solid waste treatment and bioconversion; Sustainable development or processes

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Tejraj Aminabhavi (Bhavi): Emerging pollutant separation and waste minimization via membrane processes; Membrane bioreactors for environmental pollution abatement; Toxic metal separation and recovery; Acid/flue gas separation; Fuel cell membranes of environmental concern

Chemical Reaction Engineering:

King Yeung: heterogeneous catalysis (including enzyme), hybrid and miniature reactors, green and fine chemistry

Guy B. Marin: kinetics; heterogeneous catalysis; petrochemistry, polymer, reactor design and modeling, reactor scale-up, crude oil refining, natural gas valorization

Materials Synthesis and Processing:

Jesus Santamaria: materials synthesis processes; shaping processes; micro- and nanostructured materials; hybrid materials; surface modifications

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