AIMS AND SCOPE

**Bulletin of Chemical Reaction Engineering & Catalysis (ISSN 1978-2993)**, an electronic international journal, provides a forum for publishing the novel technology related to chemical reaction engineering and catalysis.

Scientific articles dealing with the following topics in chemical reaction engineering, catalysis engineering, catalyst characterization, novel innovation of chemical reactor, etc. are particularly welcome. The journal encompasses original research articles, review articles, and short communications, including:

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- fundamental of chemical reaction engineering,
- chemistry of catalyst and catalysis,
- applied chemical reaction engineering,
- applied catalysis,
- applied bio-catalysis,
- applied bio-reactor,
- membrane bio-reactor,
- chemical reactor design,
- catalyst regeneration,
- surface chemistry of catalyst,
- bio-catalysis;
- enzymatic catalytic reaction,
- industrial practice of catalyst, and
- industrial practice of chemical reactor engineering
- application of plasma technology in catalysis and chemical reactor

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In this issue, study on gel growth crystal as precursor of nanoparticles was reported with respect to some characterizations of the materials. In addition, a comparative analysis of various preparation methods of Cu-CeO$_2$-based catalysts for oxidation reaction was studied. In relation to ethanol production, utilization of Kluyveromyces marxianus for production of ethanol from whey using batch fermentation system was presented. Meanwhile, manufacturing and morphological analysis of composite material of polystyrene nanospheres / cadmium metal nanoparticles was highlighted. In addition, a comparative study on utilization of HZSM-5 catalyst for cracking palm oil to gasoline was explored with and without impregnation. Original research articles focusing on preparation of silver immobilized TiO$_2$-Hectorite for phenol removal was also highlighted as well as the utilization for Eschericia coli disinfection. Beside that, non catalytic transesterification of vegetables oil in sub– and supercritical methanol was focused for biodiesel production kinetics. Finally, the study on eco-friendly nitration of toluene using modified zirconia was reported.

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Editor would like to appreciate all researchers, academicians, industrial practitioners focused on chemical reaction engineering and catalysis to contribute to this online journal.

Assoc. Prof. Dr. I. Istadi (Editor-in-Chief)

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