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AIMS AND SCOPE

BULLETIN OF CHEMICAL REACTION ENGINEERING and CATALYSIS (ISSN 1978-2993), an international electronic journal, provides a forum for publishing the novel technology related to chemical reaction engineering and catalysis.

Scientific articles dealing with 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: fundamental of catalysis, fundamental of chemical reaction engineering, chemistry of catalyst, applied chemical reaction engineering, applied catalysis, applied bio-catalysis, applied bio-reactor, membrane bio-reactor, chemical reactor design, catalyst regeneration, and industrial practice of catalysis and chemical reactor engineering.

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PREFACE

BULLETIN OF CHEMICAL REACTION ENGINEERING & CATALYSIS (ISSN 1978-2993), Volume 7, Number 1, Year 2012 is an international electronic journal as a media for communicating all research activities in Chemical Reaction Engineering and Catalysis fields, and disseminating the novel technology and news related to chemical reaction engineering, catalyst engineering and science, bioreactor engineering, membrane reactor, and catalytic reactor engineering.

In this issue, an overview on rice husk ash as a renewable source for the production of value added silica gel and its application has been firstly presented. The second review on Cu-based catalyst for autothermal reforming methanol for hydrogen production has also described. Original research articles focusing on material science, i.e. copolymerization of ϵ -caprolactone with epichlorohydrin by a green catalyst, maghnite; transport of carbonate ions by novel cellulose fiber supported solid membrane; and synthesis of fluorite (CaF_2) crystal from gypsum waste of phosphoric acid factory in silica gel, have been explored. Finally, original research articles concerned on: de-oxygenation of CO_2 by using hydrogen, carbon and methane over alumina-supported catalysts; and ceria-based mixed oxide supported nano-gold as an efficient and durable heterogeneous catalyst for oxidative dehydrogenation of amines to imines using molecular oxygen, have also been highlighted.

Currently, the BCREC journal is an open access electronic international journal. Readers can read and download any full-text articles for free of charge. However, Authors may pay some processing fees once their articles has been accepted, i.e. for subscription of Original Reprint Articles. The research articles submitted to the BCREC journal will be peer-reviewed by at least two reviewers. Accepted research articles will be available online following the journal peer-reviewing process. Language used in this journal is English.

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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.

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