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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:

- fundamental of catalysis,
- 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

The manuscript articles should be submitted electronically in MS Word / Open Office file to Editorial Office through **Online Submission interface at: *http://ejournal.undip.ac.id/index.php/bcrec***. Author must read the author guidelines before manuscript submission.

PUBLICATION INFORMATION

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PREFACE

BULLETIN OF CHEMICAL REACTION ENGINEERING & CATALYSIS (ISSN 1978-2993), Volume 7, Number 3, Year 2013 is an electronic international journal. The journal is 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, 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.

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. Authors may also pay some fees for the Original Reprint Articles with some eligible rates. 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 as well as assigned to DOI number from CrossRef. Official language used in this journal is English.

Official website address of BCREC journal is: *http://bcrec.undip.ac.id*.

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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