

International Journal of Chemical Engineering and Applications

CONTENTS

Volume 3, Number 1, February 2012

- Benzene Adsorption from Dry and Humid Air on Activated Carbons from Japanese Cypress Wood Prepared by CO_2 and K_2CO_3 Activation.....1
Andrei Veksha, Md. Azhar Uddin, Eiji Sasaoka, and Yoshiei Kato
- Partial oxidation of Methane over Ni/Ce₂O₃ Mixed Oxide Solid Solution Catalysts.....6
A. S. Larimi and S. M. Alavi
- Process Modeling, Simulation and Design of Multi Pass Falling Film Desorber.....10
Keyur S. Thaker and Vishal K. Varma
- Application of Multi-Objective Optimization by the Utopian Point Method to Determining the Technological Mode of Gac Oil Extraction.....18
Nguyen Tan Dzung
- Experimental Study on Comparison of Rising Velocity of Bubbles and Light Weight Particles in the Bubble Column.....25
S. M. Walke and Vivek S. Sathe
- Effects of Particle Size Distribution and Packing Characteristics on the Preparation of Highly-Loaded Coal-Water Slurry.....31
Patnaree Buranasrisak and Monpilai H. Narasingha
- Pico liter Dispensing using liquid Bridge Breakup in Immiscible Fluid.....36
Dustin Moon, Do Jin Im, Taewoong Uhm and In Seok Kang
- A Numerical Study on Bubble Detachment from Solid Wall and Formation of Jet inside Detached Bubble.....40
M. U. Afzal and I. S. Kang
- Optimization of Process Parameters of Methane Decomposition in a Fluidized Bed Reactor Using Ni-Cu/ Al_2O_3 Catalysts.....44
Marie Loren Y. Palero, Leonila C. Abella, and Teddy G. Monroy
- Effects of Stabilizing Agents on Stability and Rheological Characteristics of the Highly-Loaded Coal-Water Slurry.....49
N. Ongsirimongkol and M. H. Narasingha
- Transport Phenomena in Pilot Curing Process of Coal and Bio-Coal Briquette.....53
Vorrasit Tralelope, Monpilai H. Narasingha, and Karn Pana-Supphamassadu
- Copper Contamination in the Sediments of Love River Mouth, Taiwan.....58
Chiu-Wen Chen, Chih-Feng Chen, and Cheng-Di Dong

Treatment of a Malaysian Leachate Sample Using Electrocoagulation.....	63
<i>Masoumeh MoayeriKashani, Salman Masoudi Soltani, and S. Sobri</i>	
Preparation of a Locally Produced Activated Carbon from Coconut Shells and Its Use in Reducing Hexamine Cobalt (III).....	67
<i>Sodeinde O. A.</i>	
Comparative Study of Some Physical and Chemical Properties of Bio-Oil from Manila Grass and Water Hyacinth Transformed by Paralysis Process.....	72
<i>Kittiphop Promdee, Tharapong Vitidsant, and Supot Vanpetch</i>	
Physical Characterizations and Hardness of Polymers Obtained from Irradiated Benzoxazine Monomer.....	76
<i>Sunan Tiptipakorn</i>	