

International Journal of Chemical Engineering and Applications

CONTENTS

Volume 2, Number 1, February 2011

Modeling Effective Thermal Conductivity of Al_2O_3 Nanoparticles in Water and Ethylene Glycol Based on Shape Factor.....	1
<i>Hadi Hezaveh and Mostaf Keshavarz Moraveji</i>	
Modeling the Coating of Lactose on a Single Particle through Fluidized Bed Spray Granulation Process.....	5
<i>Rames C. Panda and H. Martin</i>	
Tritium in the Environment of Gulf of Finland.....	8
<i>M.A. Kulkova and A.V.Davidochkina</i>	
Response Surfaces Model For Optimization of Solid Waste Management.....	12
<i>Behzad Nadi, Elmira Shamshiry , and Ahmad Rodzi bin Mahmud</i>	
Determination of Treatability Constant and Reaction-rate Constant for an Attached-Growth Upflow Fixed-Film Reactor on Pulp and Paper Wastewater Treatment.....	14
<i>Soo Kwan Leong, Siu Hua Chang, Nurfadzeelah Abu Kassim and Norhaslinda Nasuha</i>	
Pyrolytic Carbons from Porogen-treated Rice Husk as Lithium-insertion Anode Materials.....	20
<i>G.T.K. Fey, Y.D. Cho, C.L. Chen, K.P. Huang, Y.C. Lin, T.P. Kumar, and S.H. Chan</i>	
Study of Health & Environmental Risks Associated with Polluted Water Irrigation.....	26
<i>M. Aqeel Ashraf, K. Mahmood, M. Jamil Maah, I. Yusoff and A. Wajid</i>	
Anaerobic Pre-treatment of Pharmaceutical Wastewater using Packed Bed Reactor.....	32
<i>S. Chelliapan, A.Yuzir, M. F. Md Din, and P.J. Sallis</i>	
Fluoride Estimation and Reduction in Indian Water Samples using Optimum Alumina, pH and Time of Operation.....	38
<i>R. Shashank and V.B. Balaaji</i>	
Kinetics and Identification of Products Degradation of Endosulfan in a Solution of Carbofuran by Hydrolysis, Ozonation with and Without Activated Carbon.....	42
<i>Enjarlis & Ratnawati</i>	
Classification of Contaminant of Acrylic Fibrous Wastewater.....	47
<i>Yang Shuangchun, Guo Shaohui and Yan Guangxu</i>	
FluSiM Simulation for Malaysia: Towards Improved Pandemic Surveillance.....	53
<i>Hock Lye Koh and Su Yean The</i>	
Carbon Dioxide Capture with Accelerated Carbonation of Industrial Combustion Waste.....	60

Jong Soo Cho, Soon Mi Kim, Hee Dong Chun, Gun Woo Han, and Chang Hoon Lee

Reaction Configuration Critical Effect in Activated Carbon Desulfurization Process on the Condition of
Desorbing by Water.....66
Yi Liu

Sustainable Use of Regional Land Resources Trend Analysis Based on The Coordination ----A Case Study In
Wuxi City.....72
Juan Li and Hua Sun