

International Journal of Chemical Engineering and Applications

CONTENTS

Volume 7, Number 1, February 2016

• Chemical Kinetics

Polyoxide Catalysts for Oxidation of Methane.....1

K. Dossumov, D. Kh. Churina, G. Y. Yergaziyeva, L. K. Myltykbayeva, and E. Zh. Ermeshev

Removal of Heavy Metals from Aqueous Solution by Using Low Cost Rice Husk in Batch and Continuous Fluidized Experiments.....6

Jabbar H. Al-Baidhani and Simaa T. Al-Salihy

Rh-Promoted Carbon Catalysts to Obtain Clean Components of Motor Fuels.....11

S. K. Tanyrbergenova, A. Temirkhan, Z. A. Mansurov, N. K. Zhylybayeva, and G. M. Naurzbayeva

• Analytical Chemistry

Study on the Reduction Behaviour of Nickel Doped Molybdenum Trioxide by Using Carbon Monoxide as Reductant.....16

Alinda Samsuri, Fairous Salleh, Tengku Shafazila Tengku Saharuddin, Rizafizah Othaman, and Mohd. Ambar Yarmo

The Antioxidative Capacity of Kefir Produced from Goat Milk.....22

Lutfiye Yilmaz-Ersan, Tulay Ozcan, Arzu Akpınar-Bayizit, and Saliha Sahin

A Study of Microcapsules Containing *Psidium Guajava* Leaf Extract for Antibacterial Agent on Cotton Fabric27

Jiraphorn Katewaraphorn and Arunee Kongdee Aldred

Polychlorinated Dibenzo-P-Dioxins and Dibenzofurans (PCDD/F) Measurements in Ambient Air over the Northern Poland.....32

Niemirycz E., Witt M., and Kobusińska M.

• Chemical Technology

Recovery of Struvite from Phosphorus Mineral Fertilizer Industry Wastewater in Continuous Jet Pump Crystallizer.....36

Nina Hutnik, Anna Kozik, Agata Mazienczuk, Krzysztof Piotrowski, and Andrzej Matynia

Enhanced Permeability of Biological Tissue Following Electric Field Treatment and Its Impact on Forced Convection Dehydration.....42

Bessadok-Jemai A., Khezami L., Hadjkali M. K., and Vorobiev E.

Recovery of Struvite from Synthetic Animal Wastewater by Continuous Reaction Crystallization Process.....47

Anna Kozik, Nina Hutnik, Bogusława Wierzbowska, Krzysztof Piotrowski, and Andrzej Matynia

• Chemical Synthesis

Synthesis and Visible-Light Photochromism of a Donor-Acceptor Type of Dimethyl 2,3-bis(arylethynyl)fumarate.....	52
<i>Ryota Sakamoto</i>	
• Food Chemistry	
A Research on Whey as a Renewable Substrate for Single Cell Oil Production by <i>Saprolegnia diclina</i>	56
<i>Arzu Akpınar-Bayizit, Tulay Ozcan, Lutfiye Yılmaz-Ersan, and Fikri Basoglu</i>	
Effect of Whey Protein Based Edible Coating on the Quality of Fresh Mutton.....	62
<i>Saba Belgheisi, Reza Soltani, and Ramona Massoud</i>	
Effect of High Pressure Homogenization on Improving the Quality of Milk and Sensory Properties of Yogurt: A Review.....	66
<i>R. Massoud, S. Belgheisi, and A. Massoud</i>	
Evaluation of Antioxidant Activity of Pomegranate Molasses by 2,2-Diphenyl-1-Picrylhydrazyl (DPPH) Method.....	71
<i>A. Akpınar-Bayizit, T. Ozcan, L. Yılmaz-Ersan, and E. Yildiz</i>	