

Table of Contents

CCEA 2011 Session 1

- Enhanced Lead Ions Detection on Bacteria Modified Boron-doped Diamond Electrode 1
Kwok Feng Chong, Kian Ping Loh and Yen Peng Ting
- Molecular Dynamics Folding Simulation of β -hairpin Protein (1E0Q) 6
Nur Shima Fadhillah Mazlan and Nurul Bahiyah Ahmad Khairudin
- Survey of Pollution Sources in the Lake Texcoco Ecological Park, Central México 10
Jaime San Román Sierra, Norma Patricia Muñoz-Sevilla, Pedro Joaquín Gutiérrez-Yurrita, Pedro Francisco Rodríguez-Espinosa and Miguel Ángel López-Flores
- How to restore riverbanks in natural ecosystems with many people using ecological services at the same time? 15
Pedro Joaquín Gutiérrez-Yurrita
- Integrated HRH with conventional process to produce synthetic crude oil 21
Arvin Khadem Samimi, Reza Hashemi, Jamshid Zarkesh, Mahmoud Bayat, S. Khadzhiev and H. Kadiev

CCEA 2011 Session 2

- Steam Reforming of Methane over Ni/Al₂O₃ Catalysts in a Probe Reactor 27
Mohamed Al Nakoua
- An alternative safer sterilization method for explants of *Aloe vera barbadensis* Mill. 32
Ahmad Sharifkhani, Halimi Mohd S and Maheeran Bt Abd. Aziz
- Porosity development of the activated carbons from Japanese cypress prepared by CO₂ and K₂CO₃ activation and their benzene adsorption at low concentrations 37
Andrei Veksha, Md. Azhar Uddin, Eiji Sasaoka and Yoshiei Kato
- Fabrication of Macroporous Ceramics with Trimodal Pore Structure 42
Yosep Han and Hyunjung Kim
- Partial oxidation of methane over Ni/Ce_(1-x)Zr_xO₂ mixed oxide solid solution catalysts 47
A. S. Larimi and S. M. Alavi

CCEA 2011 Session 3

- Assessment of Electrocoagulation for Groundwater Purification 53
Muftah H. El-Naas and Shaima Hamdan
- The Adsorption of Lead Using Altered Coals 58
Roman Marsalek
- Optical Properties of Multilayers with Rough Boundaries 63
František Vižďa
- Heavy Refinery Schemes based on New Nano Catalytic HRH Technology 66
Jamshid Zarkesh, M. Ghaedian, R. Hashemi, A. Khademsamimi and S. Kadzhiev
- Experimental Investigation and Modeling of Liquid-Liquid Equilibria in Biodiesel + Glycerol + Methanol 71
Masoume Rostami, Mazyar Mahmoudi and Sona Raeissi

CCEA 2011 Session 4	
Hydrophobic Interaction Chromatography of Recombinant Nipah Virus-Like Particle from <i>Escherichia coli</i> Homogenate: Type of Ligand <i>Fui Chin Chong, Wen Siang Tan and Beng Ti Tey</i>	76
Effect of Plant Growth Promoting Rhizobacteria and Foliar Application of Amino Acids and Silicic Acid on Antioxidant Enzyme Activity of Wheat under Drought Stress <i>Mahdi Davoodi Fard, Davood Habibi and Farhad Davoodi Fard</i>	80
Urea Synthesis Reactor Modeling <i>Mahdi Goharrokhi and Maryam Otadi</i>	86
Modeling of Reactor Furnace of Sulfur Recovery Units from Acidic Gases <i>Maryam Otadi, Mahdi Goharrokhi and Reza Rezazade Feyz Abadi</i>	91
Physiological Evaluation of Sugar Beet Genotypes under Drought Stress <i>Davood Habibi, Daryoush Fatollah Taleghani and Soheil Oroojnia</i>	96
CCEA 2011 Session 5	
Effect of Plant Growth Promoting Rhizobacteria and Foliar Application of Amino Acids and Silicic Acid on Biochemical Biomarkers Activity of Wheat under Drought Stress <i>Farhad Davoodi Fard, Davood Habibi and Mahdi Davoodi Fard</i>	102
Optimization of Operating Variables in the Fermentation of Citric acid using Response Surface Methodology <i>K. Anand Kishore and G. Venkat Reddy</i>	108
Effect of Carbon Sources on Biological Denitrification of Wastewater by Immobilized <i>Pseudomonas Stutzeri</i> Bacteria in a Fluidized Bed Bio Reactor (FBBR) <i>Srinu Naik. S and Y. Pydi Setty</i>	114
Effects of C/N Ratio and Moisture Contents on Performance of Household Organic Waste Composting Using Passive Aeration Bin <i>Somjai Karnchanawong and Kornkanok Sapudom</i>	119
Novel and Efficient Catalyst for the Synthesis of Polycaprolactone <i>Somayeh Mazloom Darbandy, Alireza Bakhtiary and Hossein Taheri</i>	125
CCEA 2011 Session 6	
Effect of Growing Corn on the Distribution in Soil Pools <i>Homa Ghane</i>	130
Treatment of Cattle-Slaughterhouse Wastewater Using Tubular Electrocoagulator <i>Kagan ERYURUK, Umran TEZCAN UN and Ulker BAKIR OGUTVEREN</i>	134
Treatment of Textile Wastewaters by Electrocoagulation Method <i>Umran TEZCAN UN and Ersin AYTAC</i>	138
Home/Building Management Systems (HMS/BMS) to Protect Environment by Control Modern Lighting Installations <i>Piotr Borkowski, Marek Pawlowski</i>	141
Author Index	147