Contents

R. Ebrahimi;
Polymerization of Acrylic Acid co Acrylamide Hydrogel by Ultrasound

H. Amani;
Optimization of Biosurfactant Production for Cleaning of Floating Crude Oil

M. Rahimnejad, Gh. Najafpour, Z. Najafgholi;
Sediment as New Source of Clean Energy for Bioelectricity Production

R. Saberi, A. Takhtardeshiri;
Comparision Between CER.M-PAN and H.C.F.C-PAN in Separation Cesium Radioactive in Water Flow

N. Samadani Langrodi, V. Jodaeian;
Formic Acid removal from aqueous samples by adsorption on rice bran

F. TalebiKhalilmahaleh, R. Marandi;
Investigating the Variation of Activated Carbon Adsorbents’ Particle Size and Its Effect on Equilibrium Time and Nickel Ions’ Removal Efficiency from Aqueous Solutions

M. Ghiasi, B. Noohi, M. Zahedi;
Theoretical Study of the Catalytic and Inhibition Mechanism of the β-lactam Antibiotics by Metallo-β-lactamases in the Different Solvents and Different Temperatures Using Quantum Mechanical Calculations
Quarterly Journal of Science
Kharazmi University

Executive Manager: Taherizadeh, A. J., Professor
Editor-In-Chief: Azim-Araghi, M. E., Associate Professor

Editorial Board:
Azim-Araghi, M. E., Associate Professor
Islampour, R., Professor
Daneshian, J., Associate Professor
Farhoudi, M., Professor
Majd, A., Professor
Medghalchi, A., Professor
Mehrabi, B., Associate Professor
Nakhaee, M. Associate Professor
Parsafar, G. A., Professor
Pasha, E., Professor
Taherizadeh, A. J., Professor
Zakari, H., Professor
Zamani, M., Professor

Editors:
Shadroimanesh, M., Associate Professor; Bayat, H., Associate Professor and Atai, M. R., Associate Professor

Address:
Kharazmi University
43 Mofateh Ave.
Postal Code: 15719-14911, P. B.: 15815-3587
Tehran, Iran.
Tel: +98 21-88329212
Fax: +98 21-88825580
E-mail: science@khu.ac.ir, jscitmu@gmail.com
Webpage: http://jsci.khu.ac.ir

Vol. 14, No.4
Winter 2015
Contents

R. Ebrahimi;
Polymerization of Acryric Acid co Acrylamide Hydrogel by Ultrasound

H. Amani;
Optimization of Biosurfactant Production for Cleaning of Floating Crude Oil

M. Rahimnejad, Gh. Najafpour, Z. Najafgholi;
Sediment as New Source of Clean Energy for Bioelectricity Production

R. Saberi, A. Takhtardeshiri;
Comparision Between CER.M-PAN and H.C.F.C-PAN in Separation Cesium Radioactive in Water Flow

N. Samadani Langrodi, V. Jodaeian;
Formic Acid removal from aqueous samples by adsorption on rice bran

F. TalebiKhalilmahaleh, R. Marandi;
Investigating the Variation of Activated Carbon Adsorbents’ Particle Size and Its Effect on Equilibrium Time and Nickel Ions’ Removal Efficiency from Aqueous Solutions

M. Ghiasi, B. Noohi, M. Zahedi;
Theoritical Study of the Catalytic and Inhibition Mechanism of the β-lactam Antibiotics by Metallo-β-lactamases in the Different Solvents and Different Temperatures Using Quantum Mechanical Calculations