

Quarterly Journal of Science
Kharazmi University

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;

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

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

Zakeri, 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 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;

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