

CONTENTS

2016, VOLUME 06, NUMBER 01

Feng-Shui's "Hidden Arrow": A Straight Dry Wash can Trigger a Debris/Mudflow Disaster Ping Xu	1–12
Mathematical Coefficients for the Control of the Sports Performance of the Baseball Players During the Games Islay Pérez Martínez and Ariadna Quintana Díaz	13–20
Warm Mix Asphalt Technologies and Applications Sevil Köfteci and Havva Serpil Ay	21–28
A Comparative Analysis of Steganography Methodologies used in Social Media Nehzat Razavi and Aydin Cetin	29–38
Monthly Variations of Zooplankton in a Freshwater Body (Maryap Pond, Turkey) Hilal Bulut and Serap Saler	39–52
New Hadamard-Type Inequalities for M-Convex Functions M. Emin Özdemir, Ahmet Ocak Akdemir and Merve Avci-Ardiç	53–60
Fuzzy Logic Control of Ship's Electric Power Supply Set Bogdan Zak and Stanislaw Hozyn	61–68
Effects of Sexual Reproduction on the Proliferation of Eichhornia Crassipes in Lake Geriyo Adamawa Nigeria Hauwa'u Isa and Nafisatu A. Tukur	69–76
Seasonal, Equinox and Solstice Variations of the Ionosphere Over Turkey Secil Karatay, Ali Cinar, Feza Arikan and Tamara Gulyaeva	77–84
Potential Concentrations of Select Trace Metals from Road Salt Corrosion Peter R. Pascucci	85–90
Speciation Studies of Binary Complexes of PB(II), CD(II) and HG(II) with L-Proline in 1, 2- Propanediol-Water Mixtures Peketi Bhushanavathi and Pucha Sarada	91–100
Study of Mosquito Detection and Position Tracking Algorithm Jahangir Alam SM, Hu Guoqing, Md. Mojahidul Islam, M. Rabiul Alam and Md. Arif Rahman	101–108
Fixed Point Theorems of Contractive Mappings for Cdistance in Cone Metric Spaces K. Sujatha	109–122
Targeting Alzheimer's Disease Through Molecular Docking Approach	123–130

ii Contents

Generalized Shear Strength Criteria for Soft and Weathered Coal Mine Oerburden Dump Materials P.K. Dewangan, M. Pradhan and G.D. Ramtekkar	131–146
Fashion and the Environment Ashish Hooda	147–152
An Investigations of Variations of Sinkhole Depth with Respect to the Height of Extraction in Some of the Underground Coal Mines at SECL, India P. Sahu and R. D. Lokhande	153–162
Kinetic Studies on Recovery of Acrylic Acid From Dilute Solutions Akanksha Swarnkar, Anupam Bala Soni and Amit Keshav	163–170
Dicentric Chromatid Bridges and Pollen Sterility in Cleome Gynandra H. Isa and J.C. Onovo and K.C. Egbucha	171–176
Assessment of the use of Radio for Disseminating Agricultural Information Among Farmers in OFU Local Government Area of Kogi State Jiriko Ruth, Demenongu Torjape and Oguche Paul	177–190
Use of Six Sigma Method as a Process Improvement Technique: A Case Study in Aerospace Industry Atakan Gerger and Ali Rıza Firuzan	191–202
Split-Brain Surgery and the Complementarity of the Two Hemispheres Anas H. Filimban	203–208
Comparative Study of "OKOHO" Cissus Populnea Gum Extracted in Hot Water and Cold Water for Soup Condiment C.C. Okafor and I. M. Eze	209–214
Model of Environmental Health and Environmental Education Nongnapas Thiengkamol	215–228
Identification of High School Students' Misunderstandings of Rectilinear Motion Revealed by Their Choice of Answers to a Test of Understanding Louis Trudel and Abdeljalil Métioui	229–246
Main Aspects of Complexometric Method in Chemical Analysis Used in Higher Educational System of Georgia Mineda Chanturia	247–256
Performance of Unreinforced Concrete Bored Piles Under Different Loading Conditions M. J. Al-Mosawe and A. A. Al-Obaidi	257–276
Nectar Larceny: Looking Beyond Crime and Nourishment Inderdeep Kaur	277–294
Conflict Resolution in the Euphrates River Dispute Using the Graph Model for Conflict Resolution Mariwan R. Faris, Kamel A. Al-Mohseen and Keith W. Hipel	295–306
Nossa Ufrpe: A Prototype of Collaborative Platform Marcelo Mendonça Teixeira, Joel Alves de Lima Júnior, Cristiane Domingos de Aquino, Alana Costa Lima, Felipe Alves Lopes da Silva, Wyldgard Helles Cruz, Marcos Vínicios Alcantara, Ricardo Neves Júnior, Felipe Gonçalves and Hugo Pazzoline	307–318

iv Contents

A Study of the Relationship Among Safety Climate Perception, Self-Esteem, Pressure and Performance/Safety Reporting in Medical Staff Wen-Jui Feng, Li-Yu Shu, Chin-chin Liu and Li-Hui Yang	481–488
Effects of Apricot Kernel Flour and Fiber-Rich Apricot Powder on the Quality of Reduced-Fat Wire-Cut Cookies Özen Özboy Özbaş, İbrahim Tuğkan Şeker and İncilay Gökbulut	489–496
Some Preliminary Results of a Building Integrated Photovoltaic (BIPV) System Installed at Yasar University, Izmir, Turkey Arif Hepbasli, Emrah Biyik, Mustafa Araz, Mehdi Shahrestani, Runming Yao, Emmanuel Essah, Li Shao, Armando C. Oliveira, Teodosio del Caño, Elena Rico and Juan Luis Lechón	497–504
Different Uses of Sugar Beet Pulp Kazım Eşber Özbaş and Özen Özboy Özbaş	505–512
Sustainable Lighting in Educational Buildings Kasım Çelik and Rengin Ünver	513–522
Digital Transformation of Information Systems Master's Curriculum Moustafa Elazhary and Frank Morelli	523–532
A Novel Adaptive Variable Step Size P&O MPPT Algorithm M. F. Almi, H. Belmili, M. Arrouf and B. Bendib	533–540
Biochemical Changes on Muscle tissue Of Common Carp (Cyprinus Carpio, Linnaeus 1758) in the Natural Condition of Sapanca Lake, Turkey Güllü Kaymak, Nazan Deniz Yön Ertuğ and Figen Esin Kayhan	541–548
PD Control of Underwater Robotic Vehicle in Vertical Plane Jerzy Garus	549–556
Segmentation Algorithm for Thermal Images of Faces Bogdan Żak	557–562
Temperature Effect on the Shielding Performance of the Ceramic Material Produced with Natural Zeolite Baha Kanberoğlu and A. Şükran Demirkıran	563–568
Author Index	569-570

International Journal of Arts & Sciences is not responsible for the content of the individual manuscripts.

All correspondence should be mailed to the Associate Editor: Dr. Joseph Bonnici, Vance Hall, 4th Floor, Central Connecticut State University, 1615 Stanley Street, PO Box 4010, New Britain, CT 06050-4010, USA.

The manuscripts contained in this volume were double blind refereed.