The Dynamics and the Typology of the Lacustrine Landscape in the Danube Delta
Romanescu Gheorghe, Romanescu Ana Maria and Bounegru Octavian
1–14

Design and Construction of an Overpass with Computer-Aided Design Software and Its Use in
Construction Technology Education
Mustafa Altin and Sakir Tasdemir
15–20

Mathematical Modelling of a U-Shaped Assembly Cell Using Flexible Workers
Saleh Alyahya, Qian Wang and Guangguang Yang
21–26

Myths, Misconceptions, Stigma and Discrimination: Causes for Delay and Underutilization of
Psychiatric Treatment in India
Jasbir Rishi
27–35

Effect of High Dietary Metabolizable Energy and Calcium Levels on Production Performances and
Egg Quality of Laying Hens During Late Phase Production Periods
Keatisak Soisuwan and Nantana Chauchuong
37–41

Resonance Modes in an Acoustic Guitar
Tom A. Eppes, Ivana Milanovic and Mike DePanfil
43–50

Diet Modulating the Hemopoietic Toxicity of Cancer Chemotherapy in Rats
A. Y. Sayeda, Y. A. Raslan and M. A. Ola
51–64

The Ardebayes Approach for the Reliability Evaluation
Mourad Houhou, Youcef Smaili and Smail Adjerid
65–72

Heat- and Mass Exchange During Ferrous Materials’ Filtration Drying
D. M. Symak and V. M. Atamanyuk
73–80

Grain Quality Assessment Fusing Data From Image and Spectra Analyses
Miroljub Mladenov, Stanislav Penchev and Tsvetelina Draganova
81–94

Wavelet Neural Network for Non-Destructive Egg Freshness Determination
Veselin Nachev, Chavdar Damyanov and Tanya Tzitava
95–103

Intelligent Classifiers for Dairy Products Quality Assessment Using Near-Infrared Spectra
P. Veleva-Doneva, S. Atanassova, T. Stoyanchev, G. Beev and Ts. Draganova
105–114

Mediterranean Forests: A Multicriteria Analysis of Their Dynamics
Apostolos Tsaknakis and Olga Christopoulou
115–120

Chemistry Laboratory Experiments: Now and Then
Fari Khalili
121–125
## Contents

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>141</td>
<td>An Experimental Investigation on Non-Ductile Reinforced Concrete Frames</td>
<td>Murat Ozturk, M. Yasar Kaltakci and H. Husnu Korkmaz</td>
</tr>
<tr>
<td>149</td>
<td>Survey on the Enhanced Image Quality Based on Objective Factors</td>
<td>Hyung Ju Park and Dang Hwan Har</td>
</tr>
<tr>
<td>157</td>
<td>Implementation of Weed Control by the Help of Smart System with Image Processing</td>
<td>K. Sabanci and C. Aydin</td>
</tr>
<tr>
<td>163</td>
<td>Une Présentation Anémonique Du Tableau Periodique Des Éléments</td>
<td>Vasek A. Mezl</td>
</tr>
<tr>
<td>171</td>
<td>A Novel Technique for Carbon Nanotube Reinforced Metal Matrix Composite Fabrication</td>
<td>Bedri Orur Kucukyildirim and Aysegul Akdogan Eker</td>
</tr>
<tr>
<td>183</td>
<td>Thermal Behavior of Poly (N-Hydroxymethyl Acrylamide) Synthesized by Inverse Emulsion Polymerization</td>
<td>Datchanee Kraisiri, Nuanphun Chantarasiri and Vimolvan Pimpan</td>
</tr>
<tr>
<td>189</td>
<td>Determinism Versus Predictability in the Context of Poincare’s Work on the Restricted 3-Body Problem</td>
<td>Rosario Laureano</td>
</tr>
<tr>
<td>195</td>
<td>The Analysis of Side Beam-Column Connections of Strengthened RC Frames by Truss Models</td>
<td>Gunnur Yavuz and M. Yasar Kaltakci</td>
</tr>
<tr>
<td>205</td>
<td>Comparison of Single Curvature, Double Layered Space Truss Systems Regarding Their Weights</td>
<td>Adnan Karaduman and Ercüment Özbahar</td>
</tr>
<tr>
<td>211</td>
<td>ENSO Effect on Mediterranean Precipitation</td>
<td>Ali İhsan Marti and Mehmet Ferit Karaca</td>
</tr>
<tr>
<td>223</td>
<td>Integration of 2-D Resistivity Imaging and Seismic Refraction Methods to Characterize Subsurface Material at Lenggong, Perak</td>
<td>M. M. Nordiana, Rosli Saad, Makhtar Saidin, M. N. M. Nawawi, Nur Azwin Ismail, Nisa’ Ali and A. H. A. Teh Saufia</td>
</tr>
<tr>
<td>235</td>
<td>Improving the Durability of Repair Materials Used in the Rehabilitation of Corroded Reinforced Concrete Structures</td>
<td>Maan S. Hassan, John P. Forth and S. J. Shaw</td>
</tr>
<tr>
<td>249</td>
<td>Archaeological Investigation by Electrical Resistivity Imaging: A Preliminary Study of Buried Structure</td>
<td>Rosli Saad, Makhtar Saidin, M. M. Nordiana, Nur Azwin Ismail and Norhidayahmah Mahd Mustaza</td>
</tr>
</tbody>
</table>
Contents

265–274 Study of the Expected Impacts of the Application of Organic Farming and Integrated Biological Control in Saudi Arabia Agriculture
Safar H. Al Qahtani, Adel Mohamed Khalifa, Reda Abdel-Zaher Yousef, Mohamed Mohamed Harhash and Radwan Mohamed Yakti

275–288 Assessment of Natural Radioactivity Levels and Radiological Effects of Deposits from Drinking Water Purification Stations in El-Mynia, Egypt
M. A. M. Usaf, Mahmoud Tammam, Shams A. M. Issa and Reda Elsaman

289–296 Proton Conductance of Glassy Tin Phosphate
S. K. Shakshooki, M. M. Khalifa, F. M. El-Torki and S. M. El-Ma’ashri

297–304 The Use of Ground Penetrating Radar for Archaeological Studies: Determining Subsurface Structures at Jeniang, Kedah, Malaysia
Nur Azwin Ismail, Rosli Saad, Mokhtar Saidin, M. M. Nordiana and Norhidayah Shah Mohd Mustaza

305–316 Integral Analysis of Geoelectrical (Resistivity) and Geotechnical (SPT) Data in Slope Stability Assessment
Mohd Hazreek Bin Zainal Abidin, Rosli Bin Saad, Fauziah Binti Ahmad, Devapriya Chitral Wijeyesekera and Mohamad Faizal Bin Tajul Baharuddin

317–322 Characterization of Leachate at Matang Landfill Site, Perak, Malaysia
Nur Shaylinda Mohd Zin, Hamidi Abdul Aziz, Mohd Nordin Adrian and Azlan Ariffin

323–331 The Research on Optimal Land Use Planning and Its Consequences in the Sample of Altinapa Lake Dam Watershed, Turkey
Nurgül Konakli

333–347 Stiffening of Cold Formed Steel Tubular Element Using CFRP and Subjected to Cyclic Loading
Haitham H. Muteb and Rasha F. Ibrahim

349–354 Fuzzy Logic Control of Photo-Voltaic Sensors for Obstacle Avoidance or Mapping Robot
Leslie R. Adrian

355–361 Effects of Glass Fiber Reinforcement to Pa 66 Journal Bearings
M. Turan Demirci and Hayrettin Duzcuoglu

363–375 Monitoring the Epizootic Situation of Brucellosis in Aborted Cattle from Livestock Complexes, with Serological Tests and Healing Program
Besa Ndoci and Pellumb Muhedini

377–412 A Study on Antibacterial Activity of Sweet Lime (Citrus Limetta) Fruit Waste Extract
Aradhita Ray and Ajay Singh Kataria

413–428 Applications of Fuzzy Sets in Decision Making
Ihab Abdelwahed and Jalal Karam

429–433 Study of Building Energy Index in Universiti Tun Hussein Onn Malaysia
Zamri Noranai and Mohamad Nojib Kamalluden

435–442 Non-Scalar Valued Optimal Control Using RBF Neural Networks
Rehna Nalakath and M. P. Nandakumar
Comparative Analysis of Cogeneration Systems with a Low-Temperature Heat Source
Mohammed Khennich and Nicolas Galanis

443–448

Politeness Principle in Scientific Texts
Milena Krhutová and Pavel Sedláček

449–457

PCR Detection of Aeromonas Species Isolated from Water and Fish
Fagr Kh. Abdel-Gawad and Zeinat K. Mohamed

459–470

The Spatial Distribution of Groundwater Quality in the Region of Derna-Libya
Jumma Arhouma Jumma Elgali, Mohed. Ekhwan and Noorazuan. Hashim

471–480

An Experimental and Numerical Investigation of Rheological Characteristics of Ice Slurries
M. Boumaza

481–488

Enhancement of Grid Fault Ride Through Capability of DFIG with Statcom
K. H. Phani Shree and S. V. J. Kuma

489–497

Effect of Very Fast Transient over Voltages in UHV Gas Insulated Substation
A. Raghu Ram, J. Amarnath and Kamakshaiah

499–514

Optimization of Gain and VSWR of Helical Antenna for Different Operating Frequencies Using Genetic Algorithm
Mandeep Kaur and Munish Rattan

515–524

CuO Nanocomposite PEO: LiClO₄ Solid Polymer Electrolyte
M. Jaipal Reddy

525–533

Author Index

535–536