

Table of Contents

ICCEB 2011 Session 1 Computer Engineering and Bioinformatics	
An Automatic Seeded Region Growing for 2D Biomedical Image Segmentation <i>M. M. Abdelsamea</i>	1
Computational Simulation of Heart Valve Leaflet under Systole Condition using Fluid Structure Interaction Model <i>Mohd Azrul Hisham Mohd Adib, Kahar Osman, Nur Hazreen Mohd Hasni, Oteh Maskon, Faradila Naim, Zulkifli Ahmad, Idris Sahat and Ammar Nik Mu'tasim</i>	6
Accurate Extraction of Iris and Eye Corners for Facial Biometrics <i>Ali Mollahosseini, António dos Anjos and Hamid R. Shahbazkia</i>	11
2-D Electrophoresis Gel Matching Using Proximity Graphs <i>Farooq AL-Tam, António dos Anjos and Hamid R. Shahbazkia</i>	16
Exhaustive Computation of Exact Sequence Duplications in Whole Genomes Via Super and Local Maximal Repeats <i>Eddy Taillefer and Jonathan Miller</i>	22
Adaptive Transmission for Different WBAN Applications with Variable Length Spreading Sequence <i>Mohammed FATEHY, Chika SUGIMOTO and Ryuji KOHNO</i>	30
DMCA: A Combined Data Mining Technique for Improving the Microarray Data Classification Accuracy <i>Dina A. Salem, Rania Ahmed A. A. Abul Seoud and Hesham A. Ali</i>	36
HealthComm – Your Doctor on the Go! <i>Nitish Natu and Gunjan Mehta</i>	42
ICOGE 2011 Session 2 Oil, Gas and Environment	
Analyzing Applicability of Lopatin's Method and Estimation of Total Organic Carbon Content (TOC) through Conventional Log Responses: A case study of Mumbai Offshore Basin, Western India <i>Sunit K Biswas, Ravinder Ariketi and Bijaya K Behera</i>	47
A Reliable approach for Barite, Celestite and Gypsum scaling propensity prediction during reverse osmosis treatment for produced water <i>Emad Alhseinat and Roya Sheikholeslami</i>	52
The Role of Environmental Impact Assessment in Addressing Marine Environmental Issues Arising from Oil and Gas Activities: Examples from Malaysia <i>Maizatun Mustafa</i>	58
Enhancing FDI inflows into oil and gas industry, case study of Kazakhstan and Uzbekistan <i>Jamola Khusanjanova</i>	63
A suggestion of Optimization Process for Water Pipe Networks Design <i>Mohamed Somaïda, Medhat Elzahar and Mahmoud Sharaan</i>	68
ICOGE 2011 Session 3 Oil, Gas and Environment	

Health care waste management in the hospital of Batna city (Algeria) <i>Linda SEFOUHI, Mahdi KALLA and Leila AOURAGH</i>	74
Impact of the Proposed Oil Refinery to Sediment Yield in River Mati and Tok Kassim, Kedah Malaysia <i>Mohd Ekhwan Toriman, Mazlin Mokhtar, Rahmah Elfithri and Nor Azlina Abdul Aziz</i>	79
The Relevance of Transport in Gas Logistics in Nigeria <i>Hauwa'u Yakubu-Wokili</i>	84
Go from H ₂ S to S in One Step: Use of Heteropoly Compound Solution as Efficient Absorbent and the Effect of Metal Sulfide Additive <i>Jing Wang, Rui Wang and Yunqian Ma</i>	89
Seed Germination and Seedling Performance of <i>Jatropha Curcas</i> l. Fruit Based on Color at Two Different Seasons in Northern Philippines <i>Charlie B. Batin</i>	94
ICEBS 2011 Session 4 Environment and BioScience	
Ecosystem's Services Approach from an Economic Perspective <i>Giani Gradinaru</i>	101
<i>Solanum nigrum</i> L., a Nutraceutical Enriched Herb or Invasive Weed? <i>Hemen Sarma and Aniruddha Sarma</i>	105
<i>dps'</i> : An H ₂ O ₂ Inducible Promoter for High Level Protein Production in <i>Escherichia coli</i> <i>Piyush P. Sethia, K. Krishnamurthy Rao and Santosh B. Noronha</i>	110
Utilization of Marble and Granite Waste in Concrete Bricks <i>Rania Hamza, Salah El-Haggat and Safwan Khedr</i>	115
Analysis of Passive Remediation of Contaminated Groundwater with Dimensionless Numbers <i>Jong Soo Cho, Soon Mi Kim and Ioan Iordache</i>	120
ICEBS 2011 Session 5 Environment and BioScience	
Possible Use of Renewable Industrial By-products in Environmentally-Friendly Agricultural Production <i>Brigitta Tóth, László Lévai, Imre Vágó and Szilvia Veres</i>	124
The Application of Law on Pollution Control towards Marine Biodiversity Conservation in Malaysia <i>Dr. Maizatun Mustafa and Dr. Mariani Ariffin</i>	129
Measurement of Intermolecular Interactions of Hydroxamic Acids in DMSO <i>Piyush Thakur and Rama Pande</i>	134
Physico-Chemical Parameters of Hydroxamic Acids <i>Sandhya Patre and Rama Pande</i>	140
Determinants of Ecosystem Change <i>Cosmin Joldes</i>	144
ICEBS 2011 Session 6 Environment and BioScience	
Research on Rainfall Infiltration Regime into the Waste Dumps Body from Mining Basin Motru	150

<i>Maria Lazar and Florin Faur</i>	
Experimental Study On The Performance Of Submerged Breakwater As Shore Protection Structure <i>Musfique Ahmed and Rifat Anwar</i>	156
IMPERATIVE FOR RENEWABLE ENERGY SOURCES –AN INSIGHT INTO THE REGULATORY AND POLICY FRAMEWORK <i>LAKSHMI PRIYA VINJAMURI and AMAL.V.NARASIMHAN</i>	161
<i>Pedomicrobium</i> Enumeration in Biofilm from an Expanded Bioreactor for Manganese Removal <i>Ismaniza Ismail and Lindsay I. Sly</i>	167
Effects of Zinc Oxide Nanoparticles on Roots of Rice <i>Oryza Sativa</i> L. <i>Prapatsorn Boonyanitipong, Prabhat Kumar, Boonthida Kositsup, Sunandan Baruah and Joydeep Dutta</i>	172
ICEBS 2011 Session 7 Environment and BioScience	
Quality of Highway Runoff at Two Locations in Amman City: A Preliminary Investigation <i>Zain Al-Houri, Abbas Al-Omari , Khaled Ramadan and Hazem Shaka</i>	177
Waste Minimization in Hospitals (Case Study: Shahid Akbar Abadi Hospital) <i>Samin Hojati, Seyed Mostafa Khezri, Zeynab Erfani and Lila Asad Amraji</i>	182
Facile and Efficient Synthesis of Acridinediones from Primary Amino Alcohols Via Three-component Condensation Reactions Assisted by Microwave Irradiation <i>A.A. Abdelhamid, S. K. Mohamed, A. Maharramov, A. Khalilov, M. Allahverdiev</i>	187
Schistosomiasis (Bilharzia): Is it a biological Weapon? <i>Shams A. Rashwan</i>	194
Author Index	197