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# TOPICS ON COMPUTATIONAL BIOLOGY AND CHEMISTRY

Proceedings of the 4th WSEAS International Conference on CELLULAR and MOLECULAR BIOLOGY, BIOPHYSICS and BIOENGINEERING (BIO'08)

Proceedings of the 2nd WSEAS International Conference on COMPUTATIONAL CHEMISTRY (COMPUCHEM'08)

Puerto De La Cruz, Tenerife, Canary Islands, Spain December 15-17, 2003

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#### **Preface**

This book contains the proceedings of the 4th WSEAS International Conference on CELLULAR and MOLECULAR BIOLOGY, BIOPHYSICS and BIOENGINEERING (BIO'08) and the proceedings of the 2nd WSEAS International Conference on COMPUTATIONAL CHEMISTRY (COMPUCHEM'08) which were held in Puerto De La Cruz, Tenerife, Canary Islands, Spain, December 15-17, 2008. These conferences aim to disseminate the latest research and applications in Biology of Cell, Bioengineering, Biochemistry, Biophysics, Computer Biology, Theoretical Chemistry, Computational Material Science, Computational Chemistry, Mathematical Chemistry and other relevant topics and applications.

The friendliness and openness of the WSEAS conferences, adds to their ability to grow by constantly attracting young researchers. The WSEAS Conferences attract a large number of well-established and leading researchers in various areas of Science and Engineering as you can see from <a href="http://www.wseas.org/reports">http://www.wseas.org/reports</a>. Your feedback encourages the society to go ahead as you can see in <a href="http://www.worldses.org/feedback.htm">http://www.worldses.org/feedback.htm</a>

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In addition, papers of this book are permanently available to all the scientific community via the WSEAS E-Library.

Expanded and enhanced versions of papers published in this conference proceedings are also going to be considered for possible publication in one of the WSEAS journals that participate in the major International Scientific Indices (Elsevier, Scopus, EI, ACM, Compendex, INSPEC, CSA .... see: www.worldses.org/indexes) these papers must be of high-quality (break-through work) and a new round of a very strict review will follow. (No additional fee will be required for the publication of the extended version in a journal). WSEAS has also collaboration with several other international publishers and all these excellent papers of this volume could be further improved, could be extended and could be enhanced for possible additional evaluation in one of the editions of these international publishers.

Finally, we cordially thank all the people of WSEAS for their efforts to maintain the high scientific level of conferences, proceedings and journals.

### **Table of Contents**

New and Interesting Prepolymers based on the Molecular Dynamics Computer Simulation of Binary Systems to be Utilized in the Clean-up Technologies of Off-shore Oil Spills Rasha A. Azzam and Tarek M. Madkour				
Use of Computer Simulation and Molecular Modeling Techniques for the Design of Molecularly Organized Urea-urethane Prototypes for Thermal Insulation  Tarek M. Madkour	17			
Hyperamplification of Centrosomes and Asynchronous Nuclear Division Induced by N-nitrosodimethylamine in Rats	23			
Bauyrzhan Umbayev, Tamara Shalakhmetova and William Au				
Empirical Method For Calculation Properties Of Organic Substances And Chemical Similarity Recognition	30			
Zevatskii Yu. E. and Samoilov D.V.				
Quantitative Analysis of Ultrasound Data in Assessment of Muscle Layer Thickness of Quadriceps Muscle in Young Subject Pre and Post Isometric Contraction  Danoiu Suzana, Traistaru Rodica, Badea Petrica and Danoiu Mircea	33			
Mathematical and Computational Modeling of Biosensors: Modeling for Enzyme-substrate Interaction and Biomolecular Interaction  Yupeng Liu and Qi Wang	38			
Evidences of Regulatory and Signalling Role of Electromagnetic Fields in Biological Objects (Review of Literature and Own Studies)  Valeriy Zaporozhan and Andriy Ponomarenko	43			
Study on Survival Rates of Different Stages of Exochomus Nigromaculatus ( Coleoptera: Coccinellidae) by using of Mathematical Curves  Alireza Nazari	48			
Modification of an Absorption Column when using Solution Heat during a Heat Integration Process System	52			
Davorin Kralj, Anita Kovac Kralj and Mirko Markic				
A Decomposition Theorem	57			
Partha Pratim Dey and Mustak Mia	0,			
Portable Devices in Architecture of Personal Biotelemetric Systems  Ondrej Krejcar, Jindrich Cernohorsky and Dalibor Janckulik	60			
Smartphone, PDA and Embedded Devices as Mobile Monitoring Stations of Biotelemetric System  Ondrej Krejcar, Jindrich Cernohorsky and Petr Fojcik	65			
Secured Access to RT Database in Biotelemetric System	70			
Ondrei Kreicar, Jindrich Cernohorsky and Petr Czekai				

New Methods for Strategic Management: Creating Foresight with System Dynamics Computer Simulation Models	74
Andreas Hadjis and George Papageorgiou	
Mobile SQL Server CE Database on Smartphone, PDA and Embedded Device as Mobile Monitoring Stations of Biotelemetric System	80
Ondrej Krejcar, Jindrich Cernohorsky and Petr Fojcik	
Database Architecture for Real-time Accessing of Personal Biotelemetric Systems	85
Ondrej Krejcar, Jindrich Cernohorsky and Dalibor Janckulik	
<b>Determination of Euler Rotation Series on Shoulder</b>	90
Fadiah Hirza Mohammad Ariff, Azmin Sham Rambely and Maslina Darus	
Application of Landscape Ecology to Land Consolidation for Coal Mine Waste Area in Haizhou, Liaoning, China Yingyi Chen And Daoliang Li	94
Mathematical Analysis of Branching Morphogenesis	100
M. Margarida Costa and Jorge Simao	
A Comparison of Artificial Neural Networks Algorithms for Short Term Load Forecasting in Greek Intercontinental Power System	108
G.J. Tsekouras, F.D. Kanellos, V.T. Kontargyri, C.D. Tsirekis, I.S. Karanasiou, Ch. N. Elias, A.D. Salis and N. E. Mastorakis	
Peramture Ventricular Contraction and Ventricular Tachycardia Beat Detection by using Power and Time Estimation  Ali Farrokhi, Hadi Mazidi and Ali Barzegari	116
Psychophysiological Signal Processing for Building a User Model in Adaptive e-Learning Systems Tatiana Rikure and Leonid Novitsky	122
Author Index	127

### **Author Index**

Ariff, F.H.M.	90	Markic, M.	52
Au, W.	23	Mastorakis, N. E.	108
Azzam, R. A.	11	Mazidi, H.	116
Barzegari, A.	116	Mia, M.	57
Cernohorsky, J.	60, 65, 70,	Mircea, D.	33
CI V	80, 85	Nazari, A.	48
Chen, Y.	94	Novitsky, L.	122
Costa, M. M.	100	Papageorgiou, G.	74
Czekaj, P.	70	Petrica, B.	33
Darus, M.	90	Ponomarenko, A.	43
Dey, P. P.	57	Rambely, A.S.	90
Elias, C. N.	108	Rikure, T.	122
Farrokhi, A.	116	Rodica, T.	33
Fojcik, P.	65, 80	Salis, A.D.	108
Hadjis, A.	74	Samoilov, D.V.	30
Janckulik, D.	60, 85	Shalakhmetova, T.	23
Kanellos, F.D.	108	Simao, J.	100
Karanasiou, I.S.	108	Suzana, D.	33
Kontargyri, V.T.	108	Tsekouras, G.J.	108
Kralj, A. K.	52	Tsirekis, C.D.	108
Kralj, D.	52	Umbayev, B.	23
Krejcar, O.	60, 65, 70,	Wang, Q.	38
	80, 85	Zaporozhan, V.	43
Li, D.	94	Zevatskii, Y. E.	30
Liu,Y.	38	Zevaiskii, I. E.	30
Madkour, T.M.	11, 17		

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