4th International Conference on Biotechnology Environment Management (ICBEM 2014)

Paris, France 15 – 16 September 2014

Editor:

Liu Juan

ISBN: 978-1-5108-1123-2

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2014) by International Association of Computer Science & Information Technology (IACSIT) All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact IACSIT at the address below.

IACSIT c/o Dr. Jasmine Chew #07-42, BLK 708, St. 71 Jurong West, Singapore 640708

Phone: +1-518-478-2659 (USA)

info@iacsit.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA Phone: 845-758-0400 Fax: 845-758-2634 Email: curran@proceedings.com Web: www.proceedings.com

Table of Contents

ICBEM 2014Biotechnology and Environment Management	
Antioxidant and Nitrite Scavenging Ability of Mugwort Extracted with Different	1
Solvents Ko Eun Hwang, Dong Heon Song, Sung Jin Jang, and Cheon Jei Kim	
	~
Rare Earth Elements Determination in Rocky Shore Gastropod <i>Thais clavigera</i> <i>Fuad Miskon Mohd, Fikriah Faudzi, Rahman Md. Mokhlesur and Kamaruzzaman Yunus</i>	6
Recent Bio-utilization of Jatropha curcas Seed Thanyarat Phengnuam and Worapot Suntornsuk	11
Application of a New Topographic Index Considering Soil Properties to Simulate Rainfall Runoff Process in Arid and Semi-Arid Region of Northwestern China <i>Lu Yi, Wanchang Zhang, Cai Deng</i>	18
Scheduling a New Method for the Cultural Landscape Management as the Most Important Part of the World Heritage Conservation <i>Aryan Amirkhani, Nina Almasifar</i>	24
Studding Ecological Conditions of <i>Khamir</i> Port and Mangroves (<i>Hara forests</i>) to Analyze Future Sustainable Development of the Urban Region by Method of Classifying Competitive Neural Network (Iran, Persian Gulf) <i>Ryhaneh Esmaeili</i>	33
Novel Closed System Extraction of Essential Oil: Impact on Yield and Physical Characterization Muhammad Syarhabil Ahmad, Dalila Nasshorudin and Awang Soh Mamat	42
ICAFS 2014Advances in Food Sciences	
Effects on Physical and Functional Properties of Dried Whole Eggs of Cassava	47
(Manihot Esculenta Crantz) Starch Additive and Corn Syrup Additive Joanna Tess Masilungan-Manuel, Christa Loraine G. Sino, Aiza V. Jarin and Flordeliza C. De Vera	
Structure Formation in Food Systems Based on Agar-Agar and Melon Pulp Tazhibayeva S., Tanybayeva A., Musabekov K., Tusupova B. and Zhumabayeva A.	52
The Differences of Using Electrical and Mechanical Oven to the Quality Characteristics of Liquid Smoked Milkfish (<i>Chanos chanos</i> Forsk) <i>Fronthea Swastawati, Herry Boesono S and Dian Wijayanto</i>	57
Chromium (Cr) Content in Green Mussels (<i>Pernaviridis Linnaeus</i>):Case Study at 10 Markets in Semarang City, Central Java, Indonesia Nanik Heru Suprapti, Azis Nur Bambang and Fronthea Swastawati	62
Effects of some Drying Methods on Nutritional Characteristics of Moringa (<i>Moringa</i> Oleifera) Seeds. Ademola K. Aremu and Akintunde Akintola	66
Characterization of S-layer Proteins Synthesized under Stress Conditions in a Probiotic Strain of Lactic Acid Bacteria	72

Marzieh Hosseini Nezhad, Margaret L. Britz

Optimization of *Gymnemic acid* production with anti-diabetic studies and regeneration 77

of Langerhans cells from Gymnema sylvestre

Bakrudeen Ali Ahmed Abdul, Rao, M.V, Rao, A.S, Rosna Mat Taha