

3rd International Conference on Chemical Materials and Process (ICCMP 2018)

MATEC Web of Conferences Volume 187 (2018)

Bangkok, Thailand
23 – 25 May 2018

Editors:

**J. Wang
Y.F. Yang**

ISBN: 978-1-5108-6861-8

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.

This work is licensed under a Creative Commons Attribution license:
<http://creativecommons.org/licenses/by/2.0/>

You are free to:

Share – copy and redistribute the material in any medium or format.

Adapt – remix, transform, and build upon the material for any purpose, even commercial.

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

You must give appropriate credit, provide a link to the license, and indicate if changes were made.

You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. The copyright is retained by the corresponding authors.

Printed by Curran Associates, Inc. (2018)

For additional information, please contact EDP Sciences – Web of Conferences
at the address below.

EDP Sciences – Web of Conferences
17, Avenue du Hoggar
Parc d'Activité de Courtabœuf
BP 112
F-91944 Les Ulis Cedex A
France

Phone: +33 (0) 1 69 18 75 75

Fax: +33 (0) 1 69 28 84 91

contact-edps@webofconferences.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: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

CHEMICAL PROFILING ANALYSIS AND IDENTIFICATION THE BIOACTIVITIES OF HERBAL COMPRESS EXTRACTS	1
<i>Chotikamas Sumitta, Cheenkachorn Kraipat, Wongpanit Boochita, Tantayotai Prapakorn, Sriariyanun Malinee</i>	
STUDY OF MATHEMATICAL MODELS IN HOT AIR DRYING OF HERBS IN HERBAL COMPRESS BALL	7
<i>Wongpanit Boochita, Chotikamas Sumitta, Roddecha Supacharee, Tantayotai Prapakorn, Sriariyanun Malinee</i>	
INVESTIGATING THE POTENTIAL USE OF IONIC LIQUIDS IN PRE-TREATMENT APPLICATION FOR WATER DESALINATION	12
<i>Abu Khalifeh Hadil, Alnashef Inas, Nazir Asiya, Al Mansoori Noora, Yousef Ibrahim, Sharhahabel Awatif</i>	
EFFECT OF ROASTING AND KNEADING ON ANTIOXIDANT ACTIVITY AND CONSUMER ACCEPTANCE TOWARDS ASIATIC PENNYWORT TEA	16
<i>Ploenkutham Rungnattakan, Sripromma Preeyapa, Amornraksa Suksan, Yasurin Patchanee, Soontrunnarudrungsri Aussama</i>	
EXTRACTION AND CHARACTERIZATION OF OMEGA-3 FATTY ACID FROM CATFISH USING ENZYMATIC HYDROLYSIS TECHNIQUE	22
<i>Iberahim N. I., Hamzah Z., Yin Y. J., Sohaimi K. S. A.</i>	
EFFECT OF POLYMER DEGRADATION ON POLYMER FLOODING IN HOMOGENEOUS RESERVOIRS	29
<i>Xin Xiankang, Yu Gaoming, Ma Ruicheng, Wu Keliu, Chen Zhangxin</i>	
DEVELOPMENT OF RIGID POLYURETHANE FOAM (RPUF) FOR IMITATION WOOD BLOWN BY DISTILLED WATER AND CYCLOPENTANE (CP)	36
<i>Boonachathong Ratchanon, Kaewnok Bordin, Widjaja Halim, Amornraksa Suksun</i>	
THE ANTIBACTERIAL AND ANTIOXIDANT ACTIVITY OF CENTELLA ASIATICA CHLOROFORM EXTRACT-LOADED GELATIN NANOPARTICLES	41
<i>Kesornbuakao Kittiya, Amornraksa Suksun, Sriariyanun Malinee, Asavasanti Suvaluk, Yasurin Patchanee</i>	
PREPARATION OF MICROCRYSTALLINE CELLULOSE FROM WATER HYACINTH REINFORCED POLYLACTIC ACID BIOCOMPOSITE	47
<i>Semachai Teerapa, Chandranupap Panitnad, Chandranupap Pravitra</i>	
WAVE ABSORPTION AND THERMAL STABILITY OF NICKEL COATED AL₂O₃ CORE-SHELL COMPOSITE POWDER	52
<i>Wei Hu, Cheng Li</i>	
STUDY OF THE MIX CEMENT PROPERTIES OF MORTAR CEMENT USED IN MASONRY AND PLASTER FROM THE WASTE BISCUIT FIRING OF CERAMIC	56
<i>Klangvijit Wiwat, Sookramoon Krissadang</i>	
STRATEGIES FOR PROMOTING STEELMAKING SLAG RESOURCEZATION IN TAIWAN	61
<i>Chang Ching-Jung</i>	
SYNGAS FROM UPDRAFT GASIFIER INCINERATION FOR INTERNAL COMBUSTION ENGINE POWER GENERATION IN KLONGLUANG PATHUMTHANI THAILAND	69
<i>Sookramoon Krissadang</i>	
A NOVEL GLOBAL WARMING SOLUTION: USE OF FLUE GAS TO PRODUCE UREA	73
<i>Aldhaheeri Zaina, Aysha Ajish Saniha, Rahman Sumaita, Owda Laila, Alnowahi Salma, Chaalal Omar</i>	
LINEAR PROGRAMMING MODEL FOR THE MEASUREMENT OF ENVIRONMENTAL PERFORMANCE IN WINE INDUSTRY—CONCEPTS AND EMPIRICAL RESULTS	77
<i>Chen Shiang, Wu Jung-Hua</i>	
ANALYSIS OF ENERGY CONSUMPTION OF INDONESIAN FLAT GLASS INDUSTRY PT. X BASED ON GREEN INDUSTRY STANDARDS	84
<i>Revitasari Reviana, Heru Susanto Bambang</i>	
ELECTROSTATIC FORCE BETWEEN TWO DIELECTRIC PARTICLES IN ELECTRO-RHEOLOGICAL FLUIDS: BEYOND SPHERICAL PARTICLES	89
<i>Tang Hongzhe, Gan Li, An Wei</i>	
SCALE-UP OF SOLID-LIQUID MIXING BASED ON CONSTANT POWER/VOLUME AND EQUAL BLEND TIME USING VISIMIX SIMULATION	99
<i>Megawati, Triwibowo Bayu, Karwono, Sammadikun Waliyuddin, Musfiroh Rofiatun</i>	
Author Index	