

# International Journal of Food Engineering

## CONTENTS

---

### Volume 2, Number 1, June 2016

#### Food Chemistry

Potential of Diffuse Reflectance Infrared Fourier Transform Spectroscopy and Chemometrics for Coffee Quality Evaluation.....1

*Verônica Belchior, Adriana S. Franca, and Leandro S. Oliveira*

Chemical Composition of Natural Juices Combining Lemon and Dates .....9

*Sulaiman M. Alfadul and Bakri H. Hassan*

Kinetics and Nondestructive Measurement of Total Volatile Basic Nitrogen and Thiobarbituric Acid-Reactive Substances in Chilled Tabtım Fish Fillets Using Near Infrared Spectroscopy (NIRS).....16

*Sutee Wangtueai, Chaluntorn Vichasilp, Tanachai Pankasemsuk, Parichart Theanjumpol, and Yuthana Phimolsiripol*

Production of Antihypertensive Elastin Peptides from Waste Poultry Skin .....21

*Salma Mohamad Yusop, Mehdi Nadalian, Abdul Salam Babji, Wan Aida Wan Mustapha, Bitā Forghani, and Mohd Azri Azman*

Fuzzy Analysis of Sensory Data for Ranking of Beetroot Candy .....26

*Sana Fatma, Nitya Sharma, Surendra. P. Singh, Alok Jha, and Arvind Kumar*

Characterization and Safety Evaluation of Exopolysaccharide Produced by *Rhodotorula minuta* BIOTECH 2178.....31

*Mary Ann Jilly R. Ramirez*

#### Food Technology

Simulation of Quadruple-Effect Evaporator with Vapor Bleeding Used for Juice Heating.....36

*Somchart Chantasiriwan*

Effect of Peroxide Treatment on Functional and Technological Properties of Fiber-Rich Powders Based on Spent Coffee Grounds .....42

*Wadson F. Vilela, Daniela P. Leão, Adriana S. Franca, and Leandro S. Oliveira*

#### Food Economics

Reducing Losses of Cabbage in Traditional and Modern Chain in Cebu, Philippines.....48

*Leif Marvin R. Gonzales and Antonio L. Acedo Jr.*

#### Food & Animal Science

Rumen Defaunation: Determining the Level and Frequency of *Leucaena leucocephala* Linn. Forage .....55

*Maita L. Aban and Lolito C. Bestil*

#### Food & Medical

Fabrication and Characterization of Electrospun Nanofiber Films of PHA/PBAT Biopolymer Blend Containing Chilli Herbal Extracts (*Capsicum frutescens* L.).....61

*Nuttapol Tanadchangsaeng, Darunee Khanpimai, Stayu Kitmongkonpaisan, Wimol Chobchuenchom, and Thongchai Koobkokkrud*

Efficacy of Natural Cranberry Extracts against <i>Campylobacter</i> Colonization in Poultry .....	66
<i>Ann Woo-Ming, Komala Arsi, Ann M. Donoghue, Jonathan R. Moyle, and Dan J. Donoghue</i>	
Hypoglycemic Potential of Banana Leaves ( <i>Musa paradisiaca</i> ) in Albino Rats .....	71
<i>Maria Patricia Silvestre and Liwayway H. Acero</i>	
<b>Food Security</b>	
Cross-Sectional Survey of Food Security Status for the Syrian Refugees Living in Hosting Communities in Jordan .....	75
<i>Ghada Albandak, Ahmed Mohammad Al-Smadi, Omar Gammouh, Basem F. Dababneh, and Jamal Shamieh</i>	
<b>Aquaculture</b>	
Adoption of Aquasilviculture Technology: A Positive Approach for Sustainable Fisheries and Mangrove Wetland Rehabilitation in Bataan, Philippines .....	79
<i>Rudy C. Flores, Mark Nell C. Corpuz, and Jonathan M. Salas</i>	