

Table of Contents

ICBET 2015---Biomedical Engineering and Technology

Measurement of Skin Surface pH with a Non-invasive Dry pH Sensor <i>Takuto Nagashima, Takashi Komeda, Shin-ichiroh Yamamoto, Tatsuhiko Yajima and Takehito Kemuriyama</i>	1
How Electromyography Readings from the Human Forearm are Made Cryptic, Trivial, or Non-Trivial Information for Use in Synthetic Systems <i>A. Y. Bani Hashim, Z. Fu, Z. Jamaludin and I. S. Mohamad</i>	6
Measuring Various Biochemical Concentration Using Micro-Ball Lens Probe <i>Vellen John, Ninik Irawati, Sulaiman Wadi Harun and Norfizah Md Ali</i>	11
Homemade an Atmospheric Pressure Cold Plasma Sterilization Box and Inactivation of <i>E. coli</i> <i>Jing-Wun Huang, Chun-Hao Fu, Shr-wai Ho and Ming-Chen Wang</i>	16
Addition of Titanium Dioxide and Sources Effects on UV Transmittance and Hydrophilicity of Chitosan Film <i>Kuo-feng Chou and Li-wen Wang</i>	20
Relative Pose Estimation for the Femoral Component in Computer-Assisted Total Hip Replacement Surgeries <i>Jiyang Gao, Hong Chen, Shaojie Su and Zhihua Wang</i>	25
Detection of Sleep Bruxism Based on EEG Hilbert Huang Transform <i>Swarnalatha. R. and Prasad D. V.</i>	33
The Use of Nd: YAG Laser for Ablation of Dental Material <i>Noorsyazwani Zulkifli, Fatanah M. Suhaimi, M. Khairul Azhar A. Razab, M. Suhaimi Jaafar and Norehan Mokhtar</i>	40
Valuable Insights on the Super-Infection Model of Immune System T (IT) Cells for crHIV-1 Gene Therapy <i>Yang Yu, Yufei Xie, Zhiyao Jin, Kai Song, Xiaohui Liu and Kathy Qian Luo</i>	48
Comparison of Microbial Growth on Fish Waste Peptones from Different Hydrolysis Methods <i>Nurdiyana Husin, Siti Mazlina Mustapa Kamal, Ling Tau Chuan, Nurul Fadzni Muhammad and Norhani Jusoh</i>	54
ICFSN 2015---Food Security and Nutrition	
Physicochemical, Sensory and Cooking Properties of Low Fat Beef Burgers with Addition of Fruit Byproducts and Canola Oil <i>Miriam M. Selani, Greg ório B. Margiotta, Sonia M. De S. Piedade, Carmen J. Contreras-Castillo and Solange G. Canniatti-Brazaca</i>	58
Coping Strategies, Their Relationship to Weight Status and Food Assistance Food Programs Utilized by the Food-Insecure in Belize <i>Lauri Wright and James Epps</i>	66
Non-Thermal Atmospheric Pressure Plasmas for Food Decontamination <i>Uta Schnabel, Mathias Andrasch, Rijana Niquet, Klaus-Dieter Weltmann, Oliver Schlüter</i>	74

<i>and Jörg Ehlbeck</i>	
Decontamination of Shell Eggs by Using Non-Thermal Atmospheric Pressure Plasma <i>Nora Stolz, Thomas Weihe, Jörg Stachowiak, Peggy Braun, Oliver Schlüter and Jörg Ehlbeck</i>	81
Preservation of Tomatoes <i>Ifueko Ukponmwan</i>	85
Consumers` Perceptions and Consumption Dynamics of African Leafy Vegetables (ALVs): Evidence from Feni Communal Area, Eastern Cape Province, South Africa <i>Amon Taruvinga and Rudzani Nengovhela</i>	89
Author Index	97