

LIST OF ABSTRACTS FOR SCIENTIFIC POSTERS PRESENTATION

39th Annual Scientific Meeting; 12-13 July 2017

MATHEMATICAL AND PHYSICAL SCIENCES (MPS)

No.	AUTHOR/S	MAJOR AUTHOR	PRESENTING AUTHOR	TITLE OF PAPER
CHEMISTRY				
MPS-01	Clemente, Sheryl, Jabanag, Maria Ricgrace, Mabitazan, Yvan Jay Dexter, Mandigma, Daryll, Navarro, Razel Rigo, Orfano, James Patrick, Paraguya, Ma. Kathleen, Reyes, Erica, Tagapan, Jane	Ma. Kathleen Paraguya	James Patrick Orfano	Antimicrobial Analysis of Ripe and Unripe Carica papaya Rind Ethanoic Extract on Bacillus cereus
MPS-02	Edwin F. Romano, Jr., Joselito P. Quirino, John L. Holdsworth, Regina C. So, and Clovia I. Holdsworth	Edwin F. Romano	Edwin F. Romano	Assessment of the Binding Performance of Histamine-Imprinted Microspheres by Frontal Analysis Capillary Electrophoresis
MPS-03	Rodrigo V. Dejeto, Lalyn A. Quinagon	Rodrigo V. Dejeto	Rodrigo V. Dejeto	Beneficiation of Solsona white clay
MPS-04	Rio B. Palmes, Steve P. Janagap, Jay O. Martizano, and Danilo O. Ortillo	Rio B. Palmes	Rio B. Palmes	Biosorption of Lead by Potassium Permanganate-Modified and Unmodified Calamansi (Citrus Microcarpa) Peel
MPS-05	Arnold Lubguban1, Galen Suppes and Arnold Alguno2	Arnold Lubguban	Arnold Lubguban	C. rugosa hydrolysis of polymerized soybean oil for flexible polyurethane foam applications
MPS-06	Jayvee D. Tabal, Robert J. Tan, Kim Christopher C. Aganda	Christopher C. Aganda	Christopher C. Aganda	Chemometric Differentiation of Common Clean Room Contaminants Through Principal Component Analysis
MPS-07	Benilda Ebarvia, Sharlene Cabanilla, Aaron Dacuya,	Benilda Ebarvia	Benilda Ebarvia	Development and Validation of a Stable-Isotope Dilution Liquid Chromatography–Tandem Mass Spectrometry Method for the Determination of Histamine in Processed Fish

MPS-08	Lara Mendoza, Abigail Angeles, Channah Antiojo, Alden Balasabas, Ray Buensuceso, Iara Coronel, Hannah Dela Cruz, Kristian Espejo, Vidal Gabriel, Sitty Llovido, Khasmer Marbella, Rommel Mascariñas, Paul Perez, Jhomel Romero, Alyssa Valerio, Roy Yanela and Teresita Perez	Lara Mendoza	Lara Mendoza	Ecotourism and Water Quality Assessment of Lake Pandin, San Pablo, Laguna
MPS-09	Jericho Andre Capistrano* Glyka Gem Garillo Francis Nikko Pahilanga* Nolan Joseph De Los Santos, M. Sc.*	Jericho Andre Capistrano	Glyka Gem Garillo	Effectiveness of Maltodextrin and Gum Arabic in the Microencapsulation of Ampalaya Leaves Extracts through Freeze Drying
MPS-10	Ronald Arlet P. Villaber, Florinia E. Merca, Lilia M. Fernando, Teofila DC Villar, Constancio C. de Guzman	Ronald Arlet P. Villaber	Ronald Arlet P. Villaber	Encapsulation of Bacteria-derived Auxin, Cytokinin and Gibberellin and its Application in Coconut (<i>Cocos nucifera</i> var Makapuno) Callus Initiation
MPS-11	Frances Abygail Genio, Eduardo Atayde Jr., Susan Arco	Frances Abygail Genio	Frances Abygail Genio	Free-Radical Polymerization of N-Vinylimidazolium-Based Ionic Liquids As Additive For Antifungal Patches
MPS-12	Annabelle V. Briones	Annabelle V. Briones	Annabelle V. Briones	Glycerine based Anti-oxidants as Potential Oxygen Scavenger in Food Packaging
MPS-13	Roldan T. Echem	Roldan T. Echem	Roldan T. Echem	Impact of Mining on Water Quality of the Major Rivers and Prevalence of Human Diseases in Zamboanga Peninsula, Western Mindanao, Philippines
MPS-14	Marynold Purificacion, Fides Tambalo, Evan Titus Paul Labrador, and Josefina Solivas	Marynold Purificacion	Marynold Purificacion	Optimization of Hydrolytic Activity of Biotech Alpha-Amylase Produced by <i>Bacillus amyloliquefaciens</i> on Different Substrates
MPS-15	Timothy Jemuel E. Talusan, , Mel Bryan L. Espenilla,, Salvador C. Buenviaje, Jr.,c Ken Aldren S. Usman, Leon M. Payawan, Jr.,	Timothy Jemuel E. Talusan	Timothy Jemuel E. Talusan	Optimization of Ultraviolet Induced Synthesis of TiO ₂ / Polyacrylic acid (PAA) Nanocomposites and Its Film Assembly via Layer-by-layer (LBL) deposition
MPS-16	Reynaldo Carlos K. Montalbo, Eduardo C. Atayde Jr, and Susan D. Arco	Reynaldo Carlos K. Montalbo	Reynaldo Carlos K. Montalbo	Poly(methacrylic acid) and Poly(ethylene glycol)-based Block Copolymers for the Oral Administration of Pharmaceuticals

MPS-17	Floriedhel Jane Enriquez, Glecly Geron, Danica Marie Mercado and Sahkiena Vardaraju	Danica Marie Mercado	Danica Marie Mercado	Potentiality of <i>Scenedesmus quadricauda</i> as Media for Bioremediating Polluted Water
MPS-18	Alleni Tongson, Kim Christopher Aganda, Aaron Dacuya and Beniilda Ebarvia	Alleni Tongson	Alleni Tongson	Purity Assessment of Folic Acid: Philippine Experience in International Pilot Study Comparison
MPS-19	Levelyn Mitos M. Tolentino, Zenaida M. de Guzman, Gloriamaris L. Caraos, Ma. Lucia C. Cobar, Gina B. Abrera, and Gerardo Jose M. Robles	Levelyn Mitos M. Tolentino	Levelyn Mitos M. Tolentino	Reduction of Microbial Load in Beef Burger Patties by Electron Beam Irradiation
MPS-20	Rohit C. Tilwani and Jonyl L. Garcia*	Rohit C. Tilwani	Rohit C. Tilwani	Reinforcement of Poly (lactic acid)- based Film by Cellulose Acetate from Rice Straw and its Evaluation as a Potential Matrix for Drug Delivery
MPS-21	Dominic Gabriel Pumarega, Eduardo Atayde Jr., and Susan Arco	Dominic Gabriel Pumarega	Susan Arco	Synthesis of 1-Alkyl-3-Methylimidazolium Carboxylate Ionic Liquids through Anion Exchange as Antibacterial Agents
MPS-22	Aldrick B. Verano and Allan Patrick G. Macabeo	Aldrick B. Verano	Aldrick B. Verano	Synthesis of New Generation 3,4-Diaryl-4-hydroxy-2-cyclopentenone Derivatives with Anti-infective, Cytotoxic and Anti-inflammatory Activities
MPS-23	Myra Tansengco, Judith Tejano, Fe Coronado, Carmel Gacho, Joven Barcelo	Myra Tansengco	Myra Tansengco	Trichoderma species, best heavy metal-tolerant fungi from mine tailings in Itogon, Benguet
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MPS-25	Brent Ivan M. Andres and Rene Juna R. Claveria	Brent Ivan M. Andres	Rene Juna R. Claveria	A Seasonal Water Quality Assessment of the Marikina River Using Benthic Macro-Invertebrates with Implications to Riparian Recovery

MPS-26	Yasmin D.G. Edanol, Kim Marie D. Sisican, Zyra Grace C. Zaragosa, and Susan D. Arco	Yasmin D.G. Edanol	Yasmin D.G. Edanol	Device Fabrication and Performance Evaluation of a Potentiometric MIP-based Sensor for Clenbuterol
MPS-27	Mirabelle F. Cadiante and Ma.Tereza A. Blanco	Mirabelle F. Cadiante	Ma.Tereza A. Blanco	Potential of Bacteria Isolated from Sta.Maria Hot Spring Sta. Maria ,Ilocos Sur for Bioethanol Production
MPS-28	Raymond J. Sucgang, Jeff Darren G. Valdez, Carlo Honesto B. Botor, Rosemarie E. Bunao, Joseph Joi C. Flores, Vanessa L. Villaraza, Daisy Mae R. Bongtiwon	Raymond J. Sucgang	Jeff Darren G. Valdez	Characterization of Surface-Subsurface Interactions and Quality Assessment of Water in the Pasig River Basin by Multivariate Analytical Techniques
MPS-29	Allan Patrick G. Macabeo and Mark John P. Mandigma	Allan Patrick G. Macabeo	Allan Patrick G. Macabeo	Tandem Mukaiyama-Michael Addition Reactions Toward Electrophilic Cyclopentenone Derivatives with Antituberculosis and Anti-cancer Activity

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MPS-41	Imelda S. Aniversario, Rachel M. Patangan, and Rosalio G. Artes, Jr.	Imelda S. Aniversario	Imelda S. Aniversario	Weakly Connected Closed Geodetic Numbers of Graphs

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MPS-42	Aguila, Diosa Marie, Aday, Zarah Mae, Delos Reyes, Aliza Marie, Palas, Alyanna Kate, Ruiz, Hazel May Ann	Diosa Marie Aguila	Diosa Marie Aguila	Adsorption of Carbon Monoxide, Hydrocarbons, and Carbon Dioxide Emitted by a Vehicle Using Natural Zeolite as Exhaust Filter
MPS-43	Nancy M. Bangco and Karina Milagros R. Cui-Lim	Karina Milagros R. Cui-Lim	Karina Milagros R. Cui-Lim	Applications of Sago Starch Films filled with Poly (N-Vinyl Carbazole) PVK Nanoparticles
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MPS-49	Rey Alfred G. Rañola and Fortunato B. Sevilla III	Rey Alfred G. Rañola	Rey Alfred G. Rañola	The effect of thermal annealing on the gas sensitivity of graphene/polymer nanocomposite loaded on nylon membrane
MPS-50	Jhon Delo L. Procurato, Roel N. Baybayon	Jhon Delo L. Procurato	Jhon Delo L. Procurato	The Propagator of a Damped Coupled Harmonic Oscillator using White Noise Analysis