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"PAGTANAW 2050: Agham Tungo sa Mabuting Kinabukasan (FORESIGHT 2050: Science for a Sustainable Future)"

Scientific Posters 2022

MATHEMATICAL AND PHYSICAL SCIENCE DIVISION

MPS	EMAIL	AUTHORS	MAJOR	PRESENTIN G	AFFILIATIONS	CONTACT NO	TITLE
MPSD - CHEMISTRY							
MPS-01	jpfrancisco4@up.edu.ph	John Alfon P Francisco, Monissa C Paderes, Ph.D.	John Alfon P Francisco	John Alfon P Francisco	Institute of Chemistry, National Science Complex, University of the Philippines-Diliman, 1101 Quezon City Philippines	(02) 8981 8500 loc. 3684	Anticancer Properties of Ring-Truncated Deguelin Derivatives
MPS-02	aghbion@gmail.com	Abigail Grace H. Bion, Pauline Ann M. Quiton, Alleni T. Junsay, and Benilda S. Ebarvia	Abigail Grace H. Bion	Abigail Grace H. Bion	Department of Science and Technology-Industrial Technology Development Institute (DOST-ITDI)/ DOST Compound, Gen. Santos Ave, Bicutan, Taguig City	837-2071 local 2197	Development and Validation of QuEChERS with EMR-Lipid Method for the Analysis of Ethoxyquin in Chicken by Ultra High Performance Liquid Chromatography – Fluorescence Detection
MPS-03	abtongson@itdi.dost.gov.ph	Alleni Junsay, Abigail Grace Bion, Pauline Ann Quiton, Aaron Dacuya and Benilda Ebarvia	Alleni T. Junsay	Alleni T. Junsay	Department of Science and Technology, Industrial Technology Development Institute (DOST-ITDI), National Metrology Laboratory of the Philippines (NML), Metrology in Chemistry Section, Bicutan, Taguig City	09178872564	Development of a Matrix Reference Material for Salbutamol in Lyophilized Meat
MPS-04	pcgonzales.ptri@gmail.com	Paula Bianca C. Gonzales, Carlo M. Macaspag, Jenneli E. Caya, Julius L. Leaño Jr.	Paula Bianca C. Gonzales	Paula Bianca C. Gonzales	Research and Development Division, Philippine Textile Research Institute, Department of Science and Technology, Bicutan, Taguig City, 1630 Philippines	8-837-1349	Durable Hydrophobic Silica Sol-Based Water-Repellent Finishing on Woven Natural Textile Fiber-Blended Fabrics
MPS-05	maryjoy.bautista@metri.dost.gov.ph	Mary Joy M. Bautista, Fortunato B. Sevilla, III	Mary Joy M. Bautista	Mary Joy M. Bautista	Metals Industry Research and Development Center, General Santos Avenue Bicutan Taguig	09272782759	Elemental Fingerprinting of Philippine Lantakas Using Energy Dispersive X-Ray Fluorescence Spectrometer
MPS-06	javbilo@ptri.dost.gov.ph	Josanelle Angela V. Bilo, Sherlyn M. Enovejas, Julius L. Leaño Jr.	Josanelle Angela V. Bilo	Josanelle Angela V. Bilo	Philippine Textile Research Institute-Department of Science and Technology, General Santos avenue, Bicutan, Taguig City, 1630 Philippines	(02) 8837-1349	Hydrothermal Synthesis of Alpha-cellulose based Luminescent Carbon Quantum Dots (AC-CQDs)

MPS-07	atbautistavii@pnri.dost.gov.ph	Angel T. Bautista VII, Sophia Jobien M. Limlingan, Mary Margareth T. Bauyon, Remjohn Aron H. Magtaas, Andrei Joshua R. Yu, Arvin M. Jagonoy, Joseph Michael D. Racho, Jeff Darren G. Valdez, Araceli M. Monsada, Bee Jay T. Salon, Aldrin Jan E. Tabuso, John Kenneth C. Valerio b, Keanu Jershon S. Sarmiento, Edwin E. Dumalagan Jr., Haruka Kusuno, Fernando P. Siringan, Hiroyuki Matsuzaki	Angel T. Bautista VII	Angel T. Bautista VII	Philippine Nuclear Research Institute – Department of Science and Technology (DOST-PNRI), Commonwealth Ave., Diliman, Quezon City 1101, Philippines	9499974618	Investigating the impacts of the Fukushima Accident using iodine-129 in three coral core sites along the north-eastern coast of the Philippines
MPS-08	rdhernandez@up.edu.ph	Rajelle D. Hernandez, Janelle R. Casanova, Marlon T. Conato, Monissa C. Paderes	Rajelle D. Hernandez	Rajelle D. Hernandez	Institute of Chemistry, National Science Complex, University of the Philippines - Diliman	6.3927E+11	In Vitro Antiproliferative and Apoptotic Effects of C12-Modified Rotenone Analogues Against Human Cancer Cells
MPS-09	nscanceran@up.edu	Nikkaela Mae S. Canceran, Val Jason G. Lagrada, Arvin Paul P. Tuaño, and Clarissa B. Juanico	Nikkaela Mae S. Canceran	Nikkaela Mae S. Canceran	1. Institute of Human Nutrition and Food, College of Human Ecology, University of the Philippines Los Baños, College, Laguna 4031 2. Institute of Chemistry, College of Arts and Sciences, University of the Philippines Los Baños, College, Laguna 4031	+639161579681	Optimizing Nixtamalization of Philippine Quality Protein Maize IPB Var 6 Improves its Nutrient Profile
MPS-10	hannahgeronimo18@	Hannah Grace D. Geronimo, Toshihiro Miyao, Junji Inukai, Bernard John Tongol	Hannah Grace D. Geronimo	Hannah Grace D. Geronimo	University of Santo Tomas, España, Manila 1015 Philippines	4061611-4037	Pyrolyzed Iron-Cobalt Polypyrrole/Graphene Oxide (FeCo/PPy/GO) as Cathode Electrocatalyst for Oxygen Reduction Reaction: Electrochemical and X-ray Photoelectron Spectroscopy Studies
MPS-11	amtanciongco@pnri.dost.gov.ph	Alexandria M. Tanciongco, Jessie O. Samaniego, Cris Reven L. Gibaga, Rico Neil M. Quierrez and Mariel O. Montano	Alexandria M. Tanciongco	Alexandria M. Tanciongco	Department of Science and Technology – Philippine Nuclear Research Institute, Quezon City, 1101 Philippines	6.39268E+11	High Background Radioactivity in Makinit Hot Spring, El Nido, Philippines: Insights from Sediment Geochemistry and Radiologic Risk Assessment

MPS-12	gerome.corpuz@gmail.com	Henry M. Corpuz, Gerome A. Corpuz*, Bernando S. Peralta, Evelyn H. Bandonill, Jenina Patria S. Villar, Lyndenn C. Lucas, Jasper C. Tallada, Rodel M. Bulatao	Gerome A. Corpuz	Gerome A. Corpuz	Rice Chemistry and Food Science Division, Philippine Rice Research Institute, Maligaya, Science City of Muñoz, Nueva Ecija 3119 Philippines	+63 (44) 456-0277 local 260	Rapid Analysis of Rice Protein and Amylose Content Using Near-Infrared Reflectance Spectroscopy
MPS-13	tfaviles@gmail.com	Theressa F. Aviles, Christy S. Daniel, Christian D. Laurio, Jan-Ervin C. Guerrero, Elyson Keith P. Encarnacion, Benilda S. Ebarvia	Theressa F. Aviles	Theressa F. Aviles	Department of Science and Technology, Industrial Technology Development Institute (DOST-ITDI), National Metrology Laboratory of the Philippines (NML), Metrology in Chemistry Section, Bicutan, Taguig City	09088977473	Reference Material Production and Characterization of Lead, Cadmium, Copper, and Iron in Drinking Water for use on Proficiency Testing Studies
MPS-14	gabrielluis.neri.gs@u	Gabriel Luis L. Neri, Allan Patrick G. Macabeo	Gabriel Luis L. Neri	Gabriel Luis L. Neri	The Graduate School, University of Santo Tomas, 1015 España, Manila, Philippines Laboratory for Organic Reactivity, Discovery and Synthesis (LORDS), Research Center for the Natural and Applied Sciences, University of Santo Tomas, 1015 Manila, Philippines	(+63)9173672210	Synthesis and Characterization of 4-Substituted Cyclopent-2-enones via Lewis Acid Promoted Mukaiyama-Michael Addition with Antimicrobial and Cytotoxic Activities
MPS-15	jzpaddayuman@up.edu	Jenise Z. Paddayuman, Daniel Noel F. Clavecilla, Kevinilo P. Marquez, Veronica P. Migo, Amelia Hizon-Fradejas, Mae Joanne B. Aguila	Jenise Z. Paddayuman	Jenise Z. Paddayuman	Institute of Chemistry, College of Arts and Sciences, University of the Philippines Los Baños, 4031 Los Baños, Laguna Department of Chemical Engineering, College of Engineering and Agro-Industrial Technology, University of the Philippines Los Baños, 4031 Los Baños, Laguna	+639567353500	Utilization of Waste Polyethylene Terephthalate (PET) as Additive in Bitumen: Physicochemical Properties and Thermal Behavior Assessment
MPS-16	kcmagdato@up.edu.ph, mcpaderes1@up.edu.ph	Kyra Danielle C. Magdato, Monissa C. Paderes	Kyra Danielle C./Magdato	Kyra Danielle C./Magdato	Institute of Chemistry, University of the Philippines Diliman	8981 8500 local 3684	Viscoelastic Properties of Bis-Urea-Based Supramolecular Gels in Surfactant Formulations
MPS-17	msdiaz2@up.edu.ph	Mark Jeffrey S. Diaz, Cris Angelo M. Pagtalunan, Dwight Angelo V. Bruzon, Giovanni A. Tapang, Monissa C. Paderes	Mark Jeffrey S. Diaz	Mark Jeffrey S. Diaz	Institute of Chemistry, University of the Philippines Diliman, Quezon City 1101 National Institute of Physics, University of the Philippines Diliman, Quezon City 1101	(02) 8981-8500 local 3864	Visible Light-Triggered Dimerization of Anthracene-Conjugated Linear Polymer
MPSD - MATHEMATICS							

MPS-18	laguevarra@ust.edu	Heather Eena M. Lim, Justine Marie S. Tence, Paul Vincent Llanes, Johanna Elicia C. Alvarez, Rinnel Brenan L. Bonifacio, Mikaela Rose Gutierrez, Gardee T. Peña, Marc Jermaine Pontiveros, Geoffrey A. Solano and Leonardo A. Guevarra Jr.	Geoffrey A. Solano	Heather Eena M. Lim	Department of Biochemistry, Faculty of Pharmacy, University of Santo Tomas, 2/F UST Main Building, Espana Blvd, Sampaloc, Manila Department of Physical Sciences and Mathematics, College of Arts and Sciences, University of the Philippines Manila, Padre Faura St. Ermita, Manila Research Center for Natural and Applied Sciences, Thomas Aquinas Research Center, Espana Blvd., Sampaloc, Manila	09171402848	Predicting the Next SARS CoV 2 Variants Using Long Short-Term Memory Networks
MPSD - PHYSICS							
MPS-19	jjp.johnny@gmail.com	James Edelbert Ramos, Juanito Jimenez Jr.	James Edelbert Ramos	James Edelbert Ramos	Forest Products Research and Development Institute (FPRDI), Department of Science and Technology (DOST)	9268362367	Wettability and Surface Roughness of Giant Bamboo Thermally Modified in an Oil Environment
MPS-20	santosalliahjoie@gm	Alliah Joie E. Santos, Von Carlo Q. Asinas, April Anne R. Capangpangan, Rogelio G. Dizon, Arven I. Cafe, Dr. Armando S. Somintac	Alliah Joie E. Santos	Von Carlo Q. Asinas	1Department of Physical Sciences, College of Science Polytechnic University of the Philippines, Sta. Mesa, Manila 2Condensed Matter Physics Laboratory, National Institute of Physics, University of the Philippines Diliman	09196236623	ZnO:SnO ₂ Thin Film Deposition by Spray Pyrolysis Technique for Anti-reflection Coating Application