

CONCURRENT SESSIONS 1					
Venue	Corporate Ballroom A&B	Corporate Ballroom D&E	Club Ilonggo	Plaza Libertad 1	Plaza Libertad 2
Time	Parallel A1: Chemical sensors and biosensors	Parallel B1: Natural products chemistry	Parallel C1: Metabolomics	Parallel D1: Materials science	Parallel E1: Chemical education
1:30-2:00	Keynote talk: Quartz Crystal Microbalance Coated With Ag (I)/ Pvp Composite As An Ethylene Sensor <i>Maria Al Kristine P. Tolentino</i>	Keynote talk Characterization and Determination of Antioxidant Activity of Some Philippine Medicinal Plants <i>Rosalinda C. Torres, PhD</i>	Keynote talk Metabolite profiling of Eucalyptus deglupta essential oil and of associated endophytic fungi <i>Kimberly G. Garcia</i>	Keynote talk Carbon Nanotubes and Polyaniline on Natural Fiber-Polyester Fabrics for Supercapacitor Electrodes <i>Felicidad Christina R. Ramirez</i>	Keynote talk: Students' Understanding of Changes in Matter through Engaging in Different Levels of Science Inquiry <i>Jigger P. Leonor</i>
2:00-2:20	A1-2 Gold nanoparticle-modified gold thin film for the measurement of mercury in air <i>Dharmatov Rahula B. Albano, PhD</i>	B1-2 Cholinesterase Inhibitory Activity of Herbal Extracts from Benguet Province <i>Camille Ann F. Sapico</i>	C1-2 Gas Chromatography-Mass Spectrometry Profiling of <i>Parameria laevigata</i> (Juss) Moldenke <i>Klidel Fae B. Rellin</i>	D1-2 Fabrication, Characterization, and Comparison of Polyester Blended Textile Supercapacitors based on <i>Ananas comosus</i> and <i>Eichhornia crassipes</i> with Polypyrrole <i>David Joseph G. Alzate</i>	E1-2 Utilizing Flipped Lectures to Improve Student Learning in Chemistry <i>Phillip Raymund R. De Oca</i>
2:20-2:40	A1-3 Piezoelectric Quartz Crystal Based E-nose for the Discriminant Analysis of Cacao Beans <i>Vernalyn R. Abarintos</i>	B1-3 Herbal Extracts from Benguet Province for Cyclooxygenase Assays <i>Larena L. Villones, Jr.</i>	C1-3 Screening for quorum-sensing inhibitors in selected Philippine seaweeds using <i>Chromobacterium violaceum</i> CV12472 <i>Aira Sacha Nadine S. Ferrer</i>	D1-3 Single Nanomicroscopy And Mass Spectrometry- Based Detection Of Disease Biomarkers By Hybrid Core-Shell Magnetic Nanoparticles <i>Rey Y. Capangpangan</i>	E1-3 Effects of Documentary Films on Students' Attitude Towards Science: A Pretest and Posttest Study <i>Vergel P. Mirana</i>
2:40-3:00	A1-4 Biosynthesized Gold Nanoparticles (AUNPs) for the Quantitation of Mercury (II) Ion <i>Jet G. Guerrero</i>	B1-4 Alpha-Glucosidase and Alpha-Amylase Inhibitory Activities of Herbal Extracts from Benguet Province <i>Jennylyn Z. Yerro</i>	C1-4 Galactofuranoside Analogues as Probes for Targeting Galactofuranosyltransferase 2 <i>Gladys C. Completo</i>	D1-4 Special Glass Formation Form Infused Butylated Hydroxyanisole and Beta Cyclodextrin: A Healthy Innovative Packaging Technology <i>June Alexis A. Santos</i>	E1-4 Integrated instruction of spatial concepts for stereochemistry <i>Carlos P. Garcia, PhD</i>
3:00-4:00	Poster Sessions Venue: Corporate Ballroom C&F Afternoon break				

CONCURRENT SESSIONS 2					
Venue	Corporate Ballroom A&B	Corporate Ballroom D&E	Club Ilonggo	Plaza Libertad 1	Plaza Libertad 2
Time	Parallel A2: Electrochemistry	Parallel B2: Chemical Sensors and Biosensors	Parallel C2: Analytical chemistry	Parallel D2: Polymer Chemistry	Parallel E2 Inorganic Chemistry
4:00-4:30	Keynote talk: Electrochemical Analysis of Sodium Dodecyl Sulfate (SDS) Mediated by Methylene Blue (MB) Redox Mediator on Carbon Paste Electrode <i>Jose Emmanuel L. Camacho</i>	Keynote talk DNA-Based Test Strip Biosensor for Detection of Hg ²⁺ In River Water Sample <i>Nikita P. Bacalzo, Jr.</i>	Keynote talk Sampling in the Accredited Testing Laboratory <i>Edgar F. Paski, PhD</i>	Keynote talk Exfoliated clay-polymer nanocomposites with covalent tethered polynorbomenes prepared via metal alkylidene-mediated surface-initiated polymerization <i>David P. Penalzo, Jr.</i>	Keynote talk: Low-Temperature-Processed and Hole-Transport-Layer-Free Perovskite Solar Cells <i>Harry Morris A. Rodriguez</i>
4:30-4:50	A2-2 Potentiometric Determination of Chloramphenicol via MIP-modified electrode <i>Yasmin D.G. Edañol</i>	B2-2 Analysis of Coenzyme Q10 in Pharmaceutical Formulations Using Polyaniline Film <i>Ma. Cristina B. Portilla</i>	C2-2 Molecularly Imprinted Solid Phase Extraction for the Selective Recognition of Salbutamol using High-Performance Liquid Chromatography <i>Alleni B. Tongson</i>	D2-2 RAFT-mediated grafting of poly(glycidyl methacrylate) in emulsion state from polyethylene/polypropylene nonwoven fabric via electron beam pre-irradiation <i>Jordan F. Madrid</i>	E2-2 Rare Earths in Medicinal Chemistry: Current Investigations on Lanthanide Chelate Synthesis and Characterization <i>Aaron Joseph L. Villaraza</i>
4:50-5:10	A2-3 Electrochemical Deposition of Polyaniline and Polydopamine films for Anti-Corrosion Coating <i>Roma S. Lopez</i>	B2-3 Tryptamine and Tryptophan-Based Gold Nanoparticles for The Colorimetric Detection of Mercury (II) Ions <i>Arianne May I. Valimento</i>	C2-3 High Accuracy Quantification of Food Additive by Exact Matching Isotope Dilution Liquid Chromatography Mass Spectrometry <i>Aaron C. Dacuva</i>	D2-3 PLA/CA- Nano Silica Electrospun Nanofiber Composite: A Potential Bioartificial Bone Tissue Scaffold <i>Juvy Jimenez Monserate</i>	E2-3 Preparation and Properties of Transition Metal (TM)- and Nitrogen (N)-Doped Titania Photocatalysts by Hydrothermal Synthesis <i>Mel Bryan L. Espenilla</i>
5:10-5:30	A2-4 Preparation and Characterization of Bulk- and Surface-modified of carbon paste electrodes with Titanium Dioxide (TiO ₂) nanoparticles <i>Mia Angela N. Judicpa</i>	B2-4 Carbohydrate-Based Gold Nanoparticles as Colorimetric Sensor for Cysteine Detection <i>Clarice R. Santos</i>	C2-4 Development of an Alternative Sample Preparation Procedure for The Confirmatory Analysis of the Biogenic Origin of Acetic Acid in Vinegar <i>Raymond J. Sucgang</i>	D2-4 Preparation and Characterization of Chitosan and Chitosan/Polypyrrole Films for Bone Tissue Engineering <i>Sittie Zuleiha S. Salik</i>	E2-4 Uv-Irradiated Polymer Stabilized Fluorescent Silver Clusters <i>Timothy Jemuel E. Talusan</i>
5:30-5:50	A2-5 Enantioselective Potentiometric Sensor for S-(+)-ibuprofen based on Electrosynthesized Polypyrrole <i>Kresta Muluken R. David</i>	B2-5 Histamine Sensor Based on Aptamers Coupled to Piezoelectric Quartz Crystal <i>Ernesto Paruli III</i>	C2-5 Distribution of Water Stable Isotopes in Groundwater system in Isabela Province, Region 2 <i>Norman DS. Mendoza</i>	D2-5 Block Copolymers of Methacrylic Acid as Hydrophobic Drug Carriers <i>Reynaldo Carlos K. Montalbo</i>	E2-5 Synthesis and Characterization of Polyethylene Glycol Stabilized Co-Precipitated Magnetite Nanoparticles for Potential Magnetic Drug Delivery Applications <i>Ken Aldren S. Usman</i>
6:00-9:00	Fellowship Night Venue: Royal Garden Hall Convention Center General Luna St. (in front of University of San Agustin)				

CONCURRENT SESSIONS 3					
Venue	Corporate Ballroom A&B	Corporate Ballroom D&E	Club Ilonggo	Plaza Libertad 1	Plaza Libertad 2
Time	Parallel A3: Analytical chemistry	Parallel B3: Natural products chemistry	Parallel C3: Physical chemistry	Parallel D3 Biochemistry	Parallel E3: Chemical education
11:00-11:30	Keynote talk Solid-phase microextraction low temperature plasma mass spectrometry for the direct and rapid analysis of chemical warfare simulants in complex mixtures <i>Morphy C. Dumlaog</i>	Keynote talk In Vitro Antidiabetic Activity of Herbal Metabolite Curcumin <i>Kimberly Stacy Hope B. Benzon</i>	Keynote talk Comparison of Different Isoconversional Methods in Determining the Kinetic Parameters of Both Real and Simulated Thermal Analysis Data <i>Kevinilo P. Marquez</i>	Keynote talk Curvature and Lipid-sensing Bradykinin-derived Peptides Bind and Capture Lipid Nanovesicles <i>Jonel P. Saludes, PhD</i>	Keynote talk Development of an E-based Questionnaire to Access Knowledge of Chemical Security and Safety Principles (OPCW eQchemSS) <i>Imee Su Martinez, PhD</i>
11:30-11:50	A3-2 Forensic examinations to determine illicit drugs commonly seized in the Philippines: From evidence to judgment <i>Ronald Jefferson A. Narceda</i>	B3-2 New tetrahydroxanthone metabolites from <i>Curvularia</i> sp. <i>Rachelle C. Mendoza</i>	C3-2 Microwave-assisted production of activated carbon from Mahogany fruit husk: optimization and response surface modelling of methylene blue dye removal in simulated waste water <i>Bryan John A. Maqoling</i>	D3-2 Isolation and Characterization of Aldose Reductase from <i>Mus musculus</i> <i>Clodette V. Punzalan</i>	E3-2 Aquagent®, a comprehensive pyridine-free solutions range for a reliable Karl Fisher titration from Scharlau <i>Gabriel Julio Lopez Scharlab Philippines, Inc.</i>
11:50-12:10	A3-3 Chemical Characterization of Historic Brickworks Made During the Spanish Colonial Period in The Philippines Using Scanning Electron Microscopy and Energy-Dispersive X-Ray Spectroscopy (Sem-Edx) and Infrared Spectroscopy (Ir) <i>Jan-Michael C. Cayme</i>	B3-3 Polyhydroxylated Macrolides with Differential Broad Spectrum Cytotoxicity from a Marine Cyanobacterium <i>Lilibeth A. Salvador-Reyes</i>	C3-3 Microrheological studies of some molecular-based self-assembled systems <i>David P. Penaloza, Jr.</i>	D3-3 Discovery of Dye-Decolorizing Enzymes from a Newly Isolated Fungal Endophyte <i>Lasiodiopodia</i> spp. <i>Princess Rosery H. Cabotaje</i>	E3-3 Assessment-Driven Design and SOLO Taxonomy in Evaluating Student Progress in Organic Chemistry <i>Vic Marie I. Camacho</i>
12:10-12:30	A3-4 Method Development and Validation for the Quantification of Nitrates and Nitrites in Canned Meat Loaf Using Ion-Pair High Performance Liquid Chromatography <i>Gio Albert T. Ang</i>	B3-4 Aromatic Constituents from <i>Uvaria Valderamensis</i> <i>Peter Yuosef M. Rubio</i>	C3-4 DFT Study on the Gas-phase Reactions of MoO_n^{+} ($n = 0-2$) with CO and CO ₂ <i>Mark Clifton C. Badlon</i>	D3-4 Tapping into novel fungal isolates for efficient carbohydrate-active enzymes <i>Christine Jurene O. Bacal</i>	E3-4 Materials Characterization by Localized Electrochemical Techniques <i>Bryan M. Montalban</i>
12:30-1:30	Lunch Break				

CONCURRENT SESSIONS 4					
Venue	Corporate Ballroom A&B	Corporate Ballroom D&E	Club Ilonggo	Plaza Libertad 1	Plaza Libertad 2
Time	Parallel A4: Natural products chemistry - 1	Parallel B4: Natural products chemistry - 2	Parallel C4 Computational chemistry	Parallel D4: Environmental chemistry	Parallel E4 Biochemistry
1:30-2:00	Keynote talk A Flavonoid Alpha-Glucosidase Inhibitor from <i>Vitex negundo</i> Linn. <i>Ella Mica B. Vidal</i>	Keynote talk Chlorophyll And Its Degradants From The Leaves of <i>Bambusa blumeana</i> Schultes f. ("Kauayan-Tinik") <i>Roeve Ann Mae C. Mazo</i>	Keynote talk Towards Mtb BioA inhibitors: In-Silico Derivatization by De Novo Evolution of Isopropyl 3-[2-(cyclopentanecarbonylamino)propionylamino]-3-(p-tolyl)propanoate <i>Inno A. Emnacen</i>	Keynote talk Simultaneous Analysis of Selected Pollutants in Water from Seven Lakes, San Pablo, Laguna using Solid Phase Extraction and Gas Chromatography Mass Spectrometry <i>Ann Selma C. Morata</i>	Keynote talk Gene Ontology Annotation Enrichment Analysis of Urinary Proteomes Of Prostate Cancer, Bph and Normal States <i>Leonor V. Autus-Geniston, PhD</i>
2:00-2:20	A4-2 Antimicrobial and Anticoagulant Properties of the Methanolic Extract from the Stem of <i>Miagos</i> (OsmoxylonLineare)Plant <i>Alberto H. Baria, Jr.</i>	B4-2 TAKEOVER: Tapping Orbitrap Technology in Advancing Chemistry Research <i>Jihan S. Al-Shdifat</i>	C4-2 In silico Characterization of the Venus Flytrap Module of Venus Kinase Receptors from <i>Schistosoma japonicum</i> , <i>Schistosoma mansoni</i> and <i>Biomphalaria glabrata</i> <i>Darwin C. Gomez</i>	D4-2 Nanosilica from Rice Hull Ash and its Applications in the Removal of Various Food and Environmental Contaminants <i>Milagros M. Peralta, PhD</i>	E4-2 Accelerating Reliable Performance of an ICP-MS <i>Joyce Lim</i>
2:20-2:40	A4-3 HPLC Analysis of Mefenamic Acid in Herbal Supplements <i>Jason Paul C. Monlinong</i>	B4-3 Oxidative Stress and Acetylcholine Esterase Enzyme Activity of African Nightcrawler (<i>Eudrilus eugeniae</i>) as Affected by Selectron 500 EC <i>Lora Mae G. Villegas</i>	C4-3 Probing the sensitivity and selectivity of a dendronic terthiophene tetraethylene (TEG) molecule toward calcium cation via molecular modeling <i>Dahlia C. Apodaca</i>	D4-3 Socio-Environmental Agent-Based Simulation of the Effect of Greenhouse Gas Pollution on the Livability of Two Mega Cities <i>Juvyneil E. Cartel</i>	E4-3 Dimeric TATp possesses remarkable permeability to HeLa and Neuronal Cells <i>Jonel P. Saludes, PhD</i>
2:40-3:00	A4-4 Organic Acid Profile of "Batuan" [<i>Garcinia Binucao</i> (Blco.) Choisy] Fruit <i>Elizabeth S. Quevedo</i>	B4-4 Carbohydrate encapsulation enhances anti-inflammatory and glutathione-S-transferase-inducing activity of betalains from red dragon fruit peels (<i>Hylocereus polyrhizus</i> [Weber] Britton and Rose) <i>Mark Louis P. Vidallon</i>	C4-4 Discovery of Mycobacterium tuberculosis L,D-transpeptidase 2 inhibitors by in silico pharmacophore-based screening, docking, and toxicity assessment <i>Beatrice Marie L. Pique</i>	D4-4 Spatial and Statistical Analysis on the Climate Variability and Trends of Cabanatuan City: A Basis for Urban Heat Island Phenomenon <i>Edward P. Cajucom</i>	E4-4 Computational Study Of Bioactive Components Of Sweet Basil (<i>Ocimum Basilicum</i> Linn.), Luyang Dilaw (<i>Curcuma Longa</i> Linn.) And Lagundi (<i>Vitex Negundo</i>) As Inhibitor Against Human Immunodeficiency Virus (HIV-1) <i>Ivy Joyce A. Buan</i>
3:00-4:00	Poster Sessions Venue: Corporate Ballroom C&F Afternoon break				

CONCURRENT SESSIONS 5					
Venue	Corporate Ballroom A&B	Corporate Ballroom D&E	Club Ilonggo	Plaza Libertad 1	Plaza Libertad 2
Time	Parallel A5: Biochemistry	Parallel B5 Organic synthesis	Parallel C5: Natural products chemistry	Parallel D5: Environmental chemistry/ Remediation	Parallel E5: Sensors and polymer chemistry
8:00-8:30	Keynote talk: Synthesis of a Fluorescently-Labeled Nobilamide B Analogue for Imaging TRPV ₁ Activity in DRG Neurons <i>Oliver John V. Belleza</i>	Keynote talk Dual Responsive Star Copolymers of Cross-linked Poly(methacrylic acid) and Poly(ethylene glycol) Derivatives <i>Eduardo C. Atayde, Jr.</i>	Keynote talk Chemical Profiling and Standardization of <i>Moringa oleifera</i> Volatile Oil Using Gas Chromatography-Mass Spectrometry (GC-MS) <i>Fabian M. Dayrit, PhD</i>	Keynote talk Plant Parts as Adsorbent for the Removal of Lead from Pasig River Water Samples <i>Florencia S. Valera, PhD</i>	Keynote talk Molecularly Imprinted p-Aminostyrene for Detection of Morphine <i>Regina Aileen May V. Vergara, PhD</i>
8:30-8:50	A5-2 Characterization and Glyceride Contents Approximation Analysis of Oil Extracted from Matured Meat of <i>Nypa fruticans</i> (Nipa) Nuts <i>Camilo A. Tabinas</i>	B5-2 The Importance of Sample Preparation: Accurate and Reproducible Results Right from the Start <i>MOLAVE Trading</i>	C5-2 Understanding Liquefied Petroleum Gas and Its Application <i>Marie Lea D. Cruz</i>	D5-2 Chromium (VI) Adsorption Capacity of Mahogany Fruit Husk Activated Carbon <i>Bryan John A. Magoling</i>	E5-2 Direct Analysis of Mercury by Thermal Decomposition <i>Sigmattech Inc</i>
8:50-9:10	A5-3 Biodegradation of harmful synthetic dyes by secreted proteins from DOC 6, an endophytic <i>Lasioidiplodia</i> sp. Fungi <i>Dessa Camille R. Batoctoy</i>	B5-3 A Semisynthetic Strategy Leads to Alteration of the Backbone Amidate Ligand in the NiSOD Active Site <i>Julius O. Campeciño</i>	C5-3 Proximate and Mineral Analyses of <i>Zophobas morio</i> Larvae, Physicochemical Analysis on its Oil Extract and Toxicity Assay on its Ethanolic and Petroleum Ether Extracts <i>Jomarie L. Seclon</i>	D5-3 Formulated Tamarind (<i>Tamarindus indica</i> L.) Rind Capsule as Sequestering Agent for Mercury Ions: Environmental Implication and Potential Mercury Poisoning Treatment <i>Maria Cleofe N. Badang</i>	E5-3 Development of Nanoparticle-Based Multi-Gas Sensor for Simultaneous Detection of CO, H ₂ S And O ₂ By Surface-Potentiometric Modification <i>Vince St. D. Mesias</i>
9:10-9:30	A5-4 Fatty Acid Profile and Cholesterol Content of Processed Meat and Meat Products in Metro Manila <i>Kristine T. Biona</i>	B5-4 Synthesis of Methylcellulose-Gelatin Polymeric Surfactant for the Microencapsulation of Metformin Hydrochloride <i>Rochelle A. Gutierrez</i>	C5-4 Image analysis of abbreviated thin-layer chromatography profiles of <i>Blumea balsamifera</i> towards rapid quality assessment <i>Sarah May R. Sibug</i>	D5-4 Effect of Dimethicone on Copper Removal by Electrocoagulation of Copper Electroplating Wastewater <i>Kathlia D. Cruz</i>	E5-4 Kinetics of in situ intercalative polymerization of β -caprolactone using 12-aminolauric acid modified-montmorillonite clay catalyst <i>Cris Anqelo M. Paqatlunan</i>
9:30-10:00	Poster Sessions Venue: Corporate Ballroom C&F Morning break				