

SCIENTIFIC PROGRAM

28th Philippine Chemistry Congress: Chemistry in 3D: Discovering, Defining, Developing

Tuesday, 09 April 2013

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| 3:00-5:00 | Early Registration | Mary Marquis Smith Hall |
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Wednesday, 10 April 2013

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| 8:00-9:30 | Registration | LUCE Lobby |
| 9:30-11:45 | <p>Opening Program & Opening of Exhibits Entrance of Colors Invocation National Anthem Welcome Remarks</p> <p style="text-align: center;">Dr. Ben S. Malayang III; Governor Roel R. Degamo; Mayor Manuel T. Sagarbarria; Dr. Myrna S. Rodriguez; Dr. Armando Guidote Elizabeth N. Ibuyan Dr. Lourdes Cruz <i>"Chemistry and Community Engagement"</i> PFCS</p> <p>Opening Remarks</p> <p>Introduction of the Keynote Speaker Keynote Speech</p> <p>The PFCS 25th Anniversary Awards</p> | Claire Isabel McGill Luce Auditorium (LUCE) |
| 11:45-12:00 | Opening of Exhibits | Mary Marquis Smith Hall |
| 12:00-1:30 | LUNCH | Gymnasium |
| 1:30-2:15 | Plenary 1 Chemistry and the Environment - Secretary Ramon J.P. Paje , DENR | LUCE |
| 2:15-3:00 | Plenary 2 – Chemistry and Energy – Secretary Jericho L. Petilla , DOE | LUCE |
| 3:00-4:00 | Poster & Exhibit Session 1 / Snacks | Exhibit Area |

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| | | Room 1 | Room 2 | Room 3 | Room 4 | Room 5 | Room 6 | |
|-----------|------------------|--|--|--|---|---|---|---|
| | | Chemistry and Environment | Chemistry and Energy | Chemistry and Industry | Chemistry and Food Sustainability | Chemistry, Health and Wellbeing | Chemistry Education | |
| 4:00-4:30 | S E | ENV1-OP1(K) Physico-Chemical Evaluation and Toxicity Risk Assessment of the Urban <i>Ramal AA, Santos AC, Florentino N, Suico ML et al</i> | ENE1-OP2(K) <i>Enzyme-Assisted Extraction and Determination of Physico Chemical properties</i> <i>Barro MF, Pingol GG, Sytu MR, Guidote LP</i> | IND1-OP3(K) Characterization of Material by Capillary Electrophoresis Holdsworth C, Diah A et al | FS1-OP4(K) <i>A troubled top of the marine Food Chain</i> <i>Bondoc JL, Aragonas LV et al</i> | H&W1-OP5(K) Drug Hunting: The CSI Way Billones, Junie B. | EDU1-OP6(K) <i>Science Literacy and Environmental Awareness and Attitude Enhancement</i> <i>Guevara CA, Macale AM, dela Peña PD</i> | KIMIKA Writing Workshop (Silliman University Library) |
| 4:30-4:50 | S S I O | EN V2-OP7 Root Bioconcentration Capacity of Cyperus alternifolius L. For Copper In <u>Ronquillo CI, Adama LN, Castanares JM</u> | ENE2-OP8 <i>Graphene Doping in Anthocyanin-Based Dye Sensitized Solar cells</i> <u>San Esteban ACM, Enriquez EP</u> | EXHIBITLEC1 (ITS) | FS2-OP9 <i>Analysis of Polybrominated diphenyl ethers (PBDEs) in fish from Phil markets</i> <i>Navarro D, Aga D, Mackintosh S et al</i> | H&W2-OP10 Synthesis and Characterization of Poly9Methacrylic Acid-co-Butyl Metha Tan BH, Sabido PM, Stover H | EDU2-OP11 <i>Integration of Climate Change Adaptation (CCA) and Disaster Risk Reduction</i> <i>Salcedo-Ramirez RI</i> | |
| 4:50-5:10 | N A | ENV3-OP12 Carbonaceous aerosol determination in Valenzuela City using a thermal Bautista VII AT, Pabroa PCB, Racho JMD et al | ENE3-OP13 <i>The Effects of pH in Profile of Lipid and Ester Accumulation of Arthrospira</i> <i>Reyes PA, Ybañes MG, Avilla, RA</i> | | FS3-OP14 Simultaneous determination of four artificial sweeteners in non alcoholic Cabanilla CV, Castillo LN. | H&W3-OP15 Synthesis and Characterization of Genipin-Fixed kappa carrageenan Salik SZ, Binag CA | EDU3-OP16 <i>Correlation of Environmental Awareness and Environmental Behaviors of dela Peña PN, Largo NN et al</i> | |
| 5:10-5:30 | | ENV4-OP17 Removal of Lipid Pollutants From Aqueous System by MIP <u>Templonuevo XJ, Chakraborty, S</u> | ENE4-OP18 <i>Supercapacitor Carbon Electrodes from Pyrolyzed Glycerol</i> <u>Tan GC, Imbao JA, Enriquez EP</u> | | FS4-OP19 <i>Spectrophotometric and Digital Photometric Methods o Determining</i> <i>Martinez BP, Solivas JL, Rodriguez M et al</i> | H&W4-OP20 Quantitative Structure Activity Relationship (QSAR) Study of Cytotoxic <u>Magpantay HDS, Nacu LA, Paraiso WKD</u> | EDU4-OP21 The Exploration of Conceptual Understanding and Science Process Skills Leonor JO, Cabalo JT | |
| 5:30-6:00 | | Break | | | | | | |
| 6:00-8:00 | | Fellowship Dinner | | | | Negros Oriental Convention Center | | |

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Thursday, 11 April 2013

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|-------------|---|---|---|---|---|--|--|
| 8:30-9:15 | Plenary 3 – Chemistry, Health and Well-being - Dr. Gisela P. Concepcion, VPAA, UP System | | | | | LUCE | |
| 9:15-10:00 | Plenary 4 – Chemistry and Industry - Mr. Roberto F. Batungbacal, President, SPIK | | | | | LUCE | |
| 10:00-10:15 | 3rd National Children's On-the-Spot Poster-Making Competition (Awarding of Winners) | | | | | LUCE | |
| 10:15-11:00 | Poster & Exhibit Session 2 / Snacks | | | | | Exhibit Area/Gym | |
| | | Room 1 | Room 2 | Room 3 | Room 4 | Room 5 | Room 6 |
| 11:00-11:30 | S E S I O N B | ENV5-OP22(K) Designer Solvents in Organic Synthesis Duro, MV, Olaguerra RM, Villarante NR, et al | ENE5-OP23(K) <i>Graphene-Polyaniline By Oxidative Electropolymerization</i> Pa- a, Jonathan, Enriquez, Erwin P. | IND2-OP24(K) Characterization and application of Halloysite Nanotubes in Semiconductor Basilia B, Sudario F et al | FS5-OP25(K) <i>Chitosan Hydrogels and Nanoparticles as Controlled Release Devices</i> Neri-Badang MC, Chakraborty S | H&W5-OP26(K) From Polyethylene catalysts to anti-Cancer agents. Redshaw, Carl | FGD with Mr. Batungbacal, CHED TP for Chemistry, PRC Board of Chemistry Topic: ASEAN 2015 |
| 11:30-11:50 | | ENV6-OP28 Graft Copolymerization of Polystyrene Onto Chitosan as an Adsorbent dela Mines RD, Muncal DVA | ENE6-OP29 <i>Synthesis and Characterization of Electropolymerized Carbazole Pendants</i> Pontillas SM, Marquez, MC, Advincula RC, Sumera FC | IND3-OP30 <i>Development of Amine-type adsorbent by electron beam-induced emulsion</i> Madrid Jordan, Yji Ueki, Noriaki Seko | FS6-OP31 <i>Biodegradable Polymer Blends: Preparation, Characterization and Possible</i> Ramos ER, Santiago KS | H&W6-OP32 Novel Drug Delivery System for Artemisinin Tan AMA, Tan TD, Camacho DH | |
| 11:50- 2:10 | | ENV7-OP33 Graphene/Nylon-6 nanocomposite for sensing of volatile nitrogenous Rañola, RA, Kalaw JM, Sevilla III FB | ENE7-OP34 <i>Enhance electrocatalytic activity of pulse deposited Pt particles dispersed</i> Mendoza MK, Tongol BJV | IND4-OP35 <i>Monochlorotriazinyl-b-cyclodextrin Controlled Release for Essential Oils</i> Cabansag, Jeannie Lynn J., Cariño, Argentina T. | FS7-OP36 <i>Microscaling: An Advance Technique for Pesticide residue Analysis</i> Pacaro LB, Aspilla PS, Mijares EC | H&W7-OP37 Gold Nanoparticles as Multivalent Platforms for Probing Carbohydrate-Protein Interactions Robidillo CJT, et al | |
| 12:10-1:30 | | LUNCH | | | | | |
| 1:30-2:15 | Plenary 5 – Chemistry, Agriculture, Food Sustainability - Usec. Dr. Segfredo R. Serrano, DA | | | | | LUCE | |
| 2:15-3:00 | Plenary 6 – Chemistry Education and ASEAN 2015 - Dr. Fortunato B. Sevilla III | | | | | LUCE | |

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|-----------|-------------|--|---|---|-------------------------|------------------------|---|
| 3:00-3:20 | S E S | ENV8-OP38 Multiwalled carbon nanotube polymer nanocomposites for vapor sensor <u>Mendioro II CT</u> , <u>Rañola RA</u> , <u>Sevilla III FB</u> | EDU5-OP39 p-Electron rotations in chiral aromatic molecules induced by ultrashort laser pulses <u>Fujimiura, Yuichi</u> | IND5-OP40 <i>Ag-SiO₂ Nanocomposite Finishing for Water Repellent and Antimicrobial</i> <u>Manalang EFP</u> , <u>Cabansag JLJ</u> | EXHIBITLEC2 (SIGMATECH) | EXHIBITLEC4 (RAINPHIL) | EXHIBITLEC5 (SHIMADZU) |
| 3:20-3:40 | S I O | ENV9-OP41 Determination of Cd and Pb (II) ions in Aqueous Solutions using AuNPs <u>David KMR</u> , <u>Salcedo ARM</u> | EDU6-OP42 A Theoretical Study on the Wavepacket Dynamics in the Excited States of Aromatic Molecules <u>Chung, Wilfredo B</u> | IND6-OP43 <i>Bringera CVF, Arco SD. Bringera CVF, Arco SD.</i> | EXHIBITLEC3 (DYNALAB) | | EXHIBITLEC6 (ENZED) |
| 3:40-4:00 | N | ENV10-OP44 Development of reusable DNA-based Mercury (II) colorimetric glass <u>Romasanta, A</u> , <u>Enriquez, EP</u> | EDU7-OP45 Investigating Students Conceptions on the Particulate nature of Matter Bonus MT, Bonus DE | IND7-OP46 <i>ZnO-Carboxymethyl Chitosan Bio-nanocomposite Finishing for UV</i> <u>Abella ET</u> , <u>Leano JL</u> | | | |
| 4:00-5:00 | C | Poster & Exhibit Session 2 / Snack | | | | Exhibit Area/Gym | Room 6 ICP General Member's Meeting and Discussion with Board of Chemistry |

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| | | Room 1 | Room 2 | Room 3 | Room 4 | | |
|------------------|----------------------------|--|---|--|---|--|--|
| 5:00-5:20 | S E S | ENV11-OP47 Colorimetric Biorecognition of Pollutant Gases Using Pigments from the Flowers <u>Abuel RJD</u> , VG Organo | EDU8-OP48 Technical-Vocational Teaching Approach; Effects on Student Achievement Almerino JA, Monterola SL, Punzalan AE | IND8-OP49 <i>Covariance of carbon and Nitrogen Isotopes for Authentication of origin</i> <u>Figueroa PP, Descartin MA et al</u> <i>Figueroa PP, Descartin MA et al</i> | H&W8-OP50 Multilayered Polyaniline/Poly(styrene sulfonate) Thin Films for Detection Monlinong JPC, Tomacruz IDV, Portilla MCB, Pascual CB | | |
| 5:20-5:40 | S I O N | ENV12-OP51 Reduction of Chlorophyll Levels of Ipomoea Batatas due to Lead (II) Ion Exposure <u>Navarro NR</u> , Abesamis MM | EDU9-OP52 Development of Chemistry Laboratory Performance Assessment Tools for Calamlam JI, Avilla RA, Camacho VML | IND9-OP53 Thermoresponsive Hyperbranched Copolymers of Poly(N-Vinylcarbazole) <u>Atayde Jr. EC</u> , Felipe MJ, Asarco SD, Advincula RC <u>Atayde Jr. EC</u> , Felipe MJ, Asarco SD, Advincula RC | H&W9-OP54 Controlled Drug delivery of anticancer drug with polyamide <u>Mateo JM</u> , Sumera FC, Casalme LO <u>Mateo JM</u> , Sumera FC, Casalme LO | | |
| 5:40-6:00 | C | ENV13-OP55 In Situ Intercalative Polymerization of Poly(ϵ -caprolactone) 12-Aminolauric Acid <u>Reyes L</u> , Monserate JJ, Sumera F | EDU10-OP56 Support Strategies and its Effect to Chemistry Achievement and Attitude Palomares MDA, Duad V, Camacho VML | IND10-OP57 Third Generation capillary Assembled Microchip (Cas-CHIP 3G) <u>Henares TG</u> , Hisamoto H | H&W10-OP58 Synthesis and Biological Activity of Nobilamide B and its Analogues <u>Jacinto MP</u> , Villaraza A | | |

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Friday, 12 April 2013

| | | Room 1 | Room 2 | Room 3 | Room 4 | Room 5 | Room 6 |
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| 8:30-8:50 | S E S I O N D | H&W11-OP61 Flavonoids from Micromelum compressum with anti tuberculosis <u>Vidar Warren S.</u> et al | EDU11-OP60 <i>Pedagogical Content Knowledge: Bridging the Gap Between Science Educ</i> <i>Carballo, Leah V</i> | IND11-OP67 Growth of Graphene on Diatom Silica by Surface- Catalyzed Chemical Dalagan,JQ,Enriquez EP,JongLi L,Te Lin,Cheng et al | H&W15-OP77 A New Method forHyaluronic Acid Analysis in Blood Serum Samples Using Caleja HJ, del Mundo FR, Pascual CB | H&W19-OP80 Detection of Imine Products from the Acid Hydrolysis and reaction <u>Lagurin LG</u> , Dancel MC, <u>Dayrit FM</u> | H&W23-OP81 Characterization of different propolis from the Philippines by various Micor JR, Agud RM, Nguyen E et al |
| 8:50-9:10 | | H&W12-OP59 Green Synthesis and Antibacterial Activity of screening of silver nanoparticles <u>Esplana CS</u> , Cabling MQ | EDU12-OP66 <i>Development and Validation of laboratory Activities for Science- Based</i> <i>Macale AM, dela Peña PD, Guevara C</i> | IND12-OP73 Watching Paint Dry – Exciting Times Ahead? Ongking, Johnson | H&W16-OP62 In Vitro Ascaricidal Activity of Methanol Extract of Eleusine indica Villate CC, Elaydo DJ, Avilla RA | H&W20-OP63 Synthesis and Characterization of a Magnetic MIP for Erythromycin <u>Sibug, Sarah May R.,L.</u> Ilaio | H&W24-OP64 Nanoencapsulation of d- Limonene for Enhanced Mosquito Repellant Activity Uclaray CC,Almeda RA et al |
| 9:10-9:30 | | H&W13-OP65 Secondary metabolites from the leaf extracts of Bikkia redondoensis <u>Alegria SJ</u> , Alejandro GJ et al | EDU13-OP72 <i>Chemertainment: More Fun in Teaching Chemistry</i> <i>Aguda RM,Mojica ER</i> | IND13-OP79 Plasma Surface Modification for Improved Adhesion of Metal Thin Films <u>Javier CJ,Diaz JM</u> | H&W17-OP68 Validation of An Alternative Alpha-Glucosidase Assay Using Alpha Glucosidase <u>Adri KJ</u> , Ramos MC | H&W21-OP69 Molecularly imprinted Polymer for the Molecular recognition of Endocrine Abucayon EG, Camacho DH | |
| 9:30-9:50 | | H&W14-OP71 Anti-Ulcer Activity of Saraca thaipengensis <u>Argulla LE</u> , <u>Paguigan ND</u> , <u>Hernandez LC</u> | EDU14-OP78 English language Proficiency and Scientific Reasoning Skills on the Students <u>Ybañez MG</u> , sagayap C, Camacho VM | | H&W18-OP74 Recognition/Removal of Phloretic Acid on Molecularly Imprinted poly(N-vinyl <u>Rañada ML</u> ,Akbulkut M et al | H&W22-OP75 Development of a Molecularly Imprinted Polymer (MIP) for in-situ <u>Mostrales DC</u> , Romano e et al | |
| 9:50-10:20 | Break / Exhibits | | | | | | |
| 10:20-11:20 | Juanita Manalo Memorial Lecture - Dr. Ester A. Garcia , President, Univ. of the East | | | | | LUCE | |
| 11:30-12:00 | Closing Ceremonies and Invitation to the 29 th PCC | | | | | | |
| 12:00-1:00 | Lunch | | | | | Gymnasium | |
| 1:00 | Distribution of Certificates | | | | | | |
| 1:30-5:00 | KIMIKA Writing Workshop (Silliman University Library) | | | | | | |