

NATIONAL ACADEMY OF SCIENCE AND TECHNOLOGY PHILIPPINES

45TH ANNUAL SCIENTIFIC MEETING July 12-13 2023

THEME: "Agham at Teknolohiya para sa Demokrasya (Science and Technology for Democracy)"

Scientific Posters 2023

ENGINEERING SCIENCES AND TECHNOLOGY DIVISION

DIV #	EMAIL	AUTHORS	MAJOR	PRESENTING	AFFILIATIONS	CONTACT NO	TITLE
EST-01	sdfenol@cvsu.edu.ph	Sheryl Dinglasan Fenol; Lorenzo Lapitan Jr.; Jhon Laurence Herrera; Daniel Zarene Mojica	Sheryl Dinglasan Fenol	Sheryl Dinglasan Fenol	Cavite State University	09762777278	Activated Carbon from Sugar Palm (Arenga pinnata) Waste Product
EST-02	jamespaul.tamayo@ctu.edu.ph	James Paul G. Tamayo	James Paul G. Tamayo	James Paul G. Tamayo	Cebu Technological University	09335500897	Android-Based Augmented Reality (AR) Application: A Learning Resource for Developing the Student's Spatial Abilities in Technical Drawing Course in the Post-Covid-19 Pandemic
EST-03	rejie.magnaye@g.batstate-u.edu.ph	Engr. Rejie C. Magnaye, Jona Viv T. Arias, Christine Joy R. Dela Rama, Daisy A. De la Torre, Nica T. Pasajol and Dianne M. Villanueva	Rejie C. Magnaye	Rejie C. Magnaye	Batangas State University - The National Engineering University	+639369382945	DESIGN AND DEVELOPMENT OF A SMALL-SCALE PROTOTYPE FOR TREATING SWINE WASTEWATER USING BIOREMEDIATION AND TRICKLING FILTRATION PROCESS
EST-04	cherlineanne.perez.eng@ust.edu.ph	Ghiro E. Guanlao Jose Paolo E. Nicolas Shenna Marie L. Saltarin Johan M. Sapiera Asst. Prof. Edison A. Roxas, Ph.D., PECE	Cherline Anne P. Perez	Cherline Anne P. Perez	University of Santo Tomas, Faculty of Engineering, Electronics Engineering Department	+639175344082	Design and Development of Sensor Array for Children Screen Exposure Detection and Classification between Static and Dynamic Media
EST-05	enr.emmanuelbalanon@gmail.com	Engr. Emmanuel Balanon	Engr. Emmanuel Balanon	Engr. Emmanuel Balanon	Ultra Construction Innovators	09270151175	DEVELOPMENT OF AN EARTHQUAKE SHAKE TABLE FOR THE EXCITATION ANALYSIS AND PERFORMANCE EVALUATION OF STRUCTURAL MODELS
EST-06	danicamarie.mercado@g.batstate-u.edu.ph	Kimberly Abarientos, Wyndel Alcaraz, Andrea Severano, Danica Marie Mercado	Kimberly Abarientos	Danica Marie B. Mercado	Civil Engineering Department, College of Engineering, Batangas State University, Alangilan, Batangas City	09488541196	Development of Carwash Wastewater Treatment System Using Powdered and Activated Moringa Oleifera (Malunggay) Seeds

EST-07	easm022808@yahoo.com	Emie Salamangkit Mirasol, Alex Odello C. Acoba Jr., Hasley Mae Dacara, Cliff Donnel A. Mangabat	Emie Salamangkit Mirasol	Emie Salamangkit Mirasol	Mariano Marcos State University	09989555113	Development of Terra Sigillata Slip Utilizing Ilocos Kaolinitic Clay and Rice Hull Ash-Derived Deflocculant as Thin Coating for Locally Formulated Decorative Ceramics
EST-08	rvdejeto@up.edu.ph	Rodrigo V. Dejeto, Gerard Louie A. Marilao	Rodrigo V. Dejeto	Rodrigo V. Dejeto	University of the Philippines Visayas Tacloban College	09276126553	Diatomaceous Earth: Characterization using Thermogravimetric Infrared (TG-IR) Evolved Gas Analysis and its Potential Application in the Ceramic Earthenware Body
EST-09	robby_ching@dlsu.edu.ph	Robby Andre T. Ching, Joshua V. Nibre, Michelle Airah N. Pablo	Robby Andre T. Ching	Robby Andre T. Ching	Department of Chemical Engineering, Gokongwei College of Engineering, De La Salle University, 2401 Taft Avenue, Malate, Manila City	09271847282	Diffusivity of Moisture in Blumea balsamifera (Sambong) Leaves
EST-10	joshua_nibre@dlsu.edu.ph	Robby Andre T. Ching, Joshua V. Nibre, Michelle Airah N. Pablo, Dr. John Frederick D. Tapia, Dr. Kathleen B. Aviso, Dr. Allan N. Soriano	Joshua V. Nibre	Joshua V. Nibre	Department of Chemical Engineering, Gokongwei College of Engineering, De La Salle University	09279367831	Diffusivity of Moisture in Costus igneus (Insulin Plant) Leaves
EST-11	michelle_airah_n_pablo@dlsu.edu.ph	Michelle Airah N. Pablo, Robby Andre T. Ching, Joshua V. Nibre, Dr. John Frederick D. Tapia, Dr. Kathleen B. Aviso, Dr. Allan N. Soriano	Michelle Airah N. Pablo	Michelle Airah N. Pablo	Department of Chemical Engineering, Gokongwei College of Engineering, De La Salle University, 2401 Taft Avenue, Malate, Manila City	09566947228	Diffusivity of Moisture in Lagerstroemia speciosa (Banaba) Leaves
EST-12	jjp.johnny@gmail.com	Aralyn L. Quintos, Juanito P. Jimenez, Jr. and Ailene A. Tagolabong	Aralyn L. Quintos	Aralyn L. Quintos	DOST-FPRDI	09268362367	Effect of Thermal Modification on the Finishing Characteristics of Bolo Bamboo
EST-13	amtuates@yahoo.com	Engelbert K. Peralta, Jessie C. Elauria, Kevin F. Yaptenco, Fernando O. Paras Jr., Milagros M. Peralta, Marilyn M. Elauria	Andres M. Tuates Jr	Andres M. Tuates Jr	Philippine Center for Postharvest Development and Mechanization	09175921373	Effects of Roasting Condition on the Performance of the Machine, Physico-Chemical Properties and Heat-Induced Contaminants in Roasted Cacao Beans
EST-14	naneth.aguado@batstate-u.edu.ph	Allyssa Garcia, Joachim Vidal, Linard Sidryx Arandia, Naneth J. Aguado	Linard Sidryx A. Arandia	Naneth J. Aguado	Batangas State University	+639157661261	On the Use of Graphene Oxide-Reinforced Starch from Rice (<i>Oryza sativa</i>) Bran for Bioplastic Production

EST-15	rdtambalo@up.edu.ph	Fidel Rey P. Nayve Jr., John Leonard E. Eseo and Catalino G. Alfafara	Alyanna Mariah dIR Arias	Richard D. Tambalo	Department of Chemical Engineering, College of Engineering, UPLB, College, Laguna, Philippines	09163317723	Optimization of Conditions for Hydrolysate Production from Corn Cobs Specific for High Xylose Sugar Yield
EST-16	lemuelclark.velasco@g.msuiit.edu.ph	Lemuel Clark Velasco, Johanne Miguel Aca-ac, Jeb Joseph Cajés, Nove Joshua Lactuan	Lemuel Clark Velasco	Lemuel Clark Velasco	Mindanao State University-Iligan Institute of Technology	09358688933	Performance Analysis of Support Vector Machine Models in Rainfall Forecasting
EST-17	mlbalela1@up.edu.ph	Mariz Gabrielle M. Domingo and Mary Donnabelle L. Balela	Mariz Gabrielle M. Domingo	Mary Donnabelle Balela	Sustainable Electronic Materials Group, Department of Mining, Metallurgical, and Materials Engineering, University of the Philippines	09175831101	Silver nanowire-PVB Reflective Heat Coating for Energy Saving Building
EST-18	rejie.magnaye@g.batstate-u.edu.ph	Engr. Rejie C. Magnaye, Adrian S. Borbon, Kim Rover V. Del Rosario, and Beverlyn M. Patolot	Rejie C. Magnaye	Rejie C. Magnaye	Batangas State University	+639369382945	THE EFFICACY OF ACTIVATED CARBON DERIVED FROM SPENT COFFEE GROUND OF KAPENG BARAKO (Coffea liberica) IN TREATING DOMESTIC GREYWATER
EST-19	mbzgili@pnri.dost.gov.ph	Mon Bryan Z. Gili, Julius Federico M. Jecong	Mon Bryan Z. Gili	Mon Bryan Z. Gili	Department of Science and Technology-Philippine Nuclear Research Institute	09159801358	The potential application of mining wastes and slag as radiation shielding: a characterization study using EpiXS