

# 41st Annual PAASE Meeting and Symposium - APAMS

October 8-11, 2021 Baltimore, MD

Theme: Celebrating the Filipino Scientist and the Four Decades of PAASE

## JOIN US AT THIS VIRTUAL PARALLEL SESSION!

### **REC 6 PARALLEL SESSION: Philippine Material Innovations**

10 October 2021, (Sunday) 9:30 AM PH time

Host/s: Julius L. Leaño Jr., Ph.D., DOST-Philippine Textile Research Institute Leslie Joy Lanticse Diaz, Ph.D., University of the Philippines Diliman

9:30-9:45 AM - Highly Porous Carbon from Abaca Fibers for Supercapacitor Electrode Applications

Felicidad Christina R. Ramirez-Peñafiel, Ph.D. Asst. Professor, Department of Chemistry University of Santo Tomas

9:45-10:00 AM - Long Staple Spinning of Ramie (Boehmeria nivea) and Pineapple (Ananas comosus) Fibers Towards 100% Lignocellulosic Philippine Yarns

Agustin A Bordallo Jr., MA Science Research Specialist I, DOST-Philippine Textile Research Institute

10:00-10:15 AM - Aqueous Pigment Concentrates from Philippine Natural Dye-Yielding Plants

Engr. Joanna Tess M. Manuel, MSc Science Research Specialist II, DOST-Philippine Textile Research Institute

10:20-10:35 AM - Valorization of Bombyx mori Silk Wastes with Pineapple Leaf Fiber (PALF) for Spun Yarn Production

Engr. Roberto O. Casero Science Research Specialist II, DOST-Philippine Textile Research Institute

#### **Poster Presentation**

10:15-10:20 AM - Field Validation of the Philippine Silk Cocoon Production System in Northern Mindanao

Cheryl G. Lopez, MSc Senior Science Research Specialist, DOST-Philippine Textile Research Institute

11:25-11:30 AM - Validation of the Proto-Sizing System via 3D Body Scanning Technology Toward Mass Customization of an Institutional Jacket

Cornelio V. Loyola Jr. Science Research Specialist II, DOST-Philippine Textile Research Institute

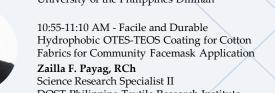


10:40-10:55 AM - Development of Reusable Facemasks Using Biodegradable Filters in Balancing Health and Environmental Needs at this Time of the Pandemic

Leslie Joy Lanticse Diaz, Ph.D. Associate Professor, UP-DMMME University of the Philippines Diliman

11:10-11:25 AM - Headgear and Facemask Sizing System through Anthropometric Data Evaluation using 3D Body Scanning Technology

Engr. Ephraim H. De Gracia Science Research Specialist II, DOST-Philippine Textile Research Institute











#### Registration for Parallel Session is Free!

REGISTER EARLY AT https://bit.ly/paaserec6 At the latest by 07 October 2021 Get confirmation by Email. Or watch the webinar in YouTube LIVE!



For plenary sessions, paid registration or fellowship (for graduate students) is required REGISTER FOR THE FULL CONFERENCE HERE!



Check the 41st APAMS Scientific Program and Book of Abstracts at paase.org.