

## 41<sup>st</sup> 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-Peñañiel, Ph.D.**

Asst. Professor, Department of Chemistry  
University of Santo Tomas



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



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



10:55-11:10 AM - Facile and Durable Hydrophobic OTES-TEOS Coating for Cotton Fabrics for Community Facemask Application

**Zaila F. Payag, RCh**

Science Research Specialist II  
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



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



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



**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!

#### 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



**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](http://paase.org).