Invited Speakers

Atitsa Petchsuk

National Metal and Materials Technology Center (MTEC), Thailand



Atitsa Petchsuk is a researcher at the National Metal and Materials Technology Center (MTEC), Thailand. She received her M.S. (1999) and Ph.D. (2003) degrees in Materials Science and Engineering (Polymer) from The Pennsylvania State University, USA. Dr. Petchsuk has extensive expertise in polymer synthesis, biodegradable polymers, polymer composites, and functional materials. Her research has focused on sustainable polymer technologies, including polylactic acid (PLA), carbon dioxide–based polymers, chemical recycling, polymer nanocomposites, and advanced functional films for agricultural and biomedical applications. She has authored more than 40 peer-reviewed publications and holds a U.S. patent in the field of ferroelectric fluoropolymers. Her current research interests include biodegradable polymers, biosensors, carbon dioxide-based polymers, and multifunctional greenhouse films.

More information: https://www.mtec.or.th/apt-research-group-poc-team/