

## **ANONGNAT SOMWANGTHANAROJ, PhD**

Anongnat is an Associate Professor at the Department of Chemical Engineering, Faculty of Engineering, Chulalongkorn University, Thailand. She obtained a doctorate degree in Macromolecular Science and Engineering Program, University of Michigan, Ann Arbor, USA in 2003. Her research interests are in the field of polymer engineering, plastic packaging, bioplastic, adhesive for electronics, battery and plastic recycle. She has served as an Associate Dean in Research Affairs since July 2016. From her research, she has co-founded Garden Fresh spin-off startup in November 2018. Garden Fresh offers the biodegradable plastic bags that can extend shelf life of fresh produce.

She has been active in research work since 2004 and until now she has been granted 33 projects from both domestic and international funding agencies and industries. She published 44 articles in international journals. Two US patents have been granted and 7 Thai patents are being in the process. She also serves as a reviewer for both international journals & conferences as well as domestic and international funding. She has served as an Associate Member, Thai Academy of Science and Technology Foundation since 2010 and as a reviewer board, Polymers, MDPI since early 2020.

She has received several awards including

- Gold medal, 47<sup>th</sup> International Exhibition of Invention of Geneva, Switzerland, April 2019
- The runner-up in the MIT Enterprise Forum, IDE Competition 2018, The Innovation-Driven Entrepreneurship (IDE) Center
- The runner-up in the Thailand Research Fund's Leaders in Innovation Fellowships "Final Business Model Pitch," Leaders in Innovation Fellowship (LIF) programme by TRF and Newton Fund
- Outstanding Research Utilization of social and/or industry Award, Ratchadaphiseksomphot Endowment Fund of Chulalongkorn University, 2014
- Invention award, National Research Council of Thailand, "Bioplastic packaging bags for extending shelf life of fresh produces and dried fruits," 2015
- Fellow in Materials Science, L'Oréal for Woman in Science 2009, L'Oréal Thailand and United Nations Education, Scientific and Cultural Organization (UNESCO) in the topic "Development of PLA/clay nanocomposite films to use in film packaging application," 2009
- The first runner up, PTT Chem Green Innovation Award, "Using polymer/clay nanocomposite as packaging film," December 12, 2008
- Royal Thai Scholarship, Ministry of Education, Royal Thai Government, 1997 –2003
- Xerox Corporation Award in recognition of academic excellence, 2002