Introduction of Keynote Speaker

Professor Nantanit Wanichacheva (Ph.D.)

Department of Chemistry, Faculty of Science, Silpakorn University, Thailand

Nantanit Wanichacheva is Professor in Department of Chemistry at Silpakorn University, Thailand. She received her Ph. D. in Chemistry from Worcester Polytechnic Institute, Massachusetts, USA. She is currently served as Vice President for Research at Research, Innovation and Creativity Administration Office, Silpakorn University, Thailand. She has published many articles in Scopus and Web of Science journals, and has submitted several international and national patents. She had involved in many international works and collaborations such as invited speaker in 5th International Conference on Molecular Sensors and Molecular Logic Gates (MSMLG2016) at University of Bath, England, staff mobility at University of Bialystok, Poland under Erasmus program (2019), and visiting Fellow at Shanghai University, China (2021).

She has been working in multidisciplinary researches in chemistry, which combine organic chemistry, inorganic chemistry, physical chemistry, and analytical chemistry. Her research interests include design, syntheses, and development of novel colorimetric and fluorogenic chemosensors for detection of hazardous heavy metal ions and anion such as Hg^{2+}, Cu^{2+}, Ag^{+}, Cd^{2+}, and CN^{-}. In addition, her researches demonstrated the utilizations of these novel sensors in real samples such as drinking water, ground water, sea water, vegetable, food, and commercial products.

The aim and inspiration of her works is endorsing and contribution to the Sustainable Development Goals (SDGs) of United Nation Environment Programme (UNDP, 2015), which is greatly required for protection of mankind, promoting health and wellbeing as well as preventing the global ecosystem from the hazardous of heavy metal ions and anions.