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Teerakiat Kerdcharoen received BSc in Chemistry and MSc in Physical Chemistry from Chulalongkorn University in 1990 and 1992, respectively. As an Austrian-Thailand Exchange Student, he received his PhD in Chemical Physics from University of Innsbruck, Austria in 1995. Presently, he is an Assistant Professor in the Department of Physics, Faculty of Science, Mahidol University. He was a recipient of the Thailand Young Scientist Award in 2001. His research works were recognized as the Thailand Research Fund's Outstanding Research in 2008, NECTEC's Top Ten Outstanding Research in 2008 including Mahidol University's Publication Prize in 2009 and National Research Council of Thailand's Invention Awards in 2015 and 2017. His research theme is "Artificial Senses" which cover the topics of electronic nose, electronic tongue and tactile sensors, etc., for applications in agri-food, healthcare and environmental industries. He has published more than 150 papers archived in the ISI/SCOPUS/IEEE databases and owned 10 patents. Currently, he is participating in developing several technology start-ups related to intelligent sensors with applications in precision agriculture, smart health and artificial intelligence.