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Dr. Ahmed Bakry is an assistant professor of Physical Chemistry at Faculty of Science, Helwan University (HU) in Cairo, Egypt. He obtained his BSc in Chemistry (1999) and MSc in Physical Chemistry (2005) from HU. Bakry received his Ph.D. in Material Science (2010) from the Sapienza Università di Roma in Rome, Italy. He was awarded several postdoctoral scholarships to conduct his research activities: at Sapienza University of Rome (2013, 2014-2015), The University of Rome "Tor Vergata" (2016), and University of Torino (2022). He focuses on tailoring the physicochemical properties of polymeric materials and their composites to enhance their applicability for diverse applications. Recently, he is involved in the electrospinning process coupled with photoinduced reactions for oil-water separation applications. His research work resulted in the publication of 26 publications in peer-reviewed international journals.