**Biography**: **Dr. Gomaa A. M. Ali** is an Associate Professor at the Chemistry Department, Faculty of Science, Al-Azhar University, Egypt. He has 15 years of experience working in the research areas of materials science, humidity sensing, graphene, supercapacitors, water treatment, and drug delivery. He was awarded his Ph.D. in Advanced Nanomaterials for Energy Storage from UMP, Malaysia. He is the recipient of some national and international prizes and awards such as **TWAS-AREP** (2018), **ARSCO Award** (2022), **Obada International Prize** (2021), **Arab Water Council Award 2022**, **Gold Medal** (Archimedes, Russia, 2014), **Green Technology Award** (CITREX, Malaysia, 2015), **Gold Medal** (British Invention Show, UK, 2015). Dr Gomaa has been included in **Stanford University’s List of World’s Top 2% of Scientists**, Egypt. Dr. Gomaa has published over **137 journal articles** and **22 book chapters** on a broad range of cross-disciplinary research fields, including multifunctional materials, nanotechnology, supercapacitor, water treatment, humidity sensing, biosensing, corrosion, and drug delivery. So far, he has more than **4697 citations** and an **h-index of 42**. Dr. Gomaa is an Editor of many international journals and a reviewer for more than 80 WoS journals. Dr. Gomaa is a member of national and international scientific societies, such as **TWAS Affiliate**, **AAS Affiliate**, the **American Chemical Society**, the **Royal Society of Chemistry**, the **National Committee of Pure and Applied Chemistry**, and the **Egyptian Young Academy of Sciences**, ASRT. He is an Editor of many handbooks such as “**Waste recycling technologies for nanomaterials manufacturing**” Springer, 2021, and “**Handbook of Biodegradable Materials**” Springer, 2022.