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Toyoko Imae was born in Japan. She joined the National Taiwan University of Science and Technology, Taiwan, as an honorary chair professor in April 2009, immediately after retiring from Keio University, Japan. She is also a professor emeritus of Nagoya University, Japan, since 2006. Her major research areas are the fabrication, functionalization, and physicochemical investigation of nanomaterials, including polymers, nanoparticles, carbon materials, minerals and their composites. Her recent research target is a “Nanoarchitecture and Nanotechnology” towards energy, environmental and biomedical sciences. Prof. Imae has published 319 peer-reviewed journal articles, 25 reviews, 20 patents and 27 book chapters. She also edited four books of *Advanced Chemistry of Monolayers at Interfaces* (2007), *Neutrons in Soft Matter* (2011), *Skin Bioscience* (2014) and *Nanolayer Research* (2017). She has been conferred several awards as represented by “Promising Scientist Award of The Society of Japanese Women Scientists” (1999) and “Award of Ministry of Environment for local environmental protection service, Japan” (2009). She also contributes to the academic advancement as typified by a president of Asian Society for Colloid and Surface Science since 2013. Prof. Imae was an executive member of the Council for Science and Technology Policy in Japan (2009-2013) and a council member and a member of the Science Council of Japan (2005-2017).