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Dr. hab. eng. **Joanna Pawlat** is professor at Lublin University of Technology, Faculty of Electrical Engineering and Computer Science (Poland). She received doctoral degree in Energy and Material Science from Saga University in 2001. During 12 years of her stay in Japan she was awarded with Japanese Government scholarship and Japan Society for the Promotion of Science fellowship. She conducted research in Hi-Tech Centre of Chuo University in Tokyo, Toyohashi Institute of Technology, Saga University and Waseda University. She received Maria Curie Reintegration Grant in 2010 for research on plasma sterilization potential.

J. Pawlat is a member of Committee on Metrology and Research Equipment of Polish Academy of Sciences, Committee of Plasma Division (PAS Lublin) and senior member of IEEE. Her professional interests are focused on plasma application for food, agriculture, medicine, energy and environment; plasma devices innovations and development of plasma generators; techniques of oxidants' generation; surface engineering and material science; interdisciplinary research for the crops intensification and food treatment.

Her plasma team was awarded with medals at 47th and 49th International Exhibitions of Inventions in Geneva and at International Warsaw Invention Shows in 2016 and 2019, respectively. She is an author of more than 230 scientific publications and 19 patents.