

Short biography:

Ewa Kowalska is an associate professor and a leader of Research Cluster for Plasmonic Photocatalysis in Institute for Catalysis, Hokkaido University. She received her PhD degree in chemical technology from Gdansk University of Technology, Poland in 2004. After completing JSPS fellowship (2005-2007), GCOE postdoctoral fellowships (2007-2009) in Japan, and Marie Curie fellowships in France (2002-2003) and in Germany (2009-12), she joined Institute for Catalysis as an associate professor in 2012. She got various awards, scholarships and grants, including doctoral dissertation with distinction (2004), award in STEF-NANO-ACC contest for the best PhD thesis in the field of nanotechnology, nanoscience and multifunctional materials under the European Commission Sixth Framework Programme (2005), Brigitte Schlieben-Lange-Programme stipend from Ministry of Science, Research and the Arts of Baden-Württemberg (2012), Grand Challenges Explorations Grant from Bill & Melinda Gates Foundation (2012), Global Networking Award (WinGS Project, Hokkaido University, 2014). She has published more than 50 peer-reviewed papers, 10 book chapters, and delivered 25 invited talks (including 3 key-note lectures). Her research focuses on environmental protection, heterogeneous photocatalysis, advanced oxidation processes (AOPs), noble metals, solar energy conversion. Recently, her main interest is plasmonic photocatalysis for degradation of chemical and microbiological pollutants.