

## **Dr. Magdalena Oćwieja**

Magdalena Oćwieja is a member of the Group of Colloids from the Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences. She is a chemist (MSc at the Jagiellonian University (2009), PhD at the Institute of Catalysis and Surface Chemistry PAS (2013)) specialized in the physicochemistry of metal nanoparticles. The scientific research of M. Oćwieja is focused on the mechanisms and adsorption kinetics of colloid particles at solid/liquid interfaces, especially the electrostatic interactions between nanoparticles and surfaces which determine the stability of colloid monolayers obtained in the self-assembly processes. She has a wealth of experience in the studies of the influence of silver nanoparticle surface properties on their biological activity. The results of Dr. Oćwieja's works have been published in 50 articles in international journals of world-wide circulation.

### **Talk Title:**

Noble metal nanoparticle layers of tunable coverage, structure and charge