Fundamental electrochemical processes and electrochemical technologies

Completed projects

- OTKA NN128168 – Dynamic electrochemical impedance spectroscopy (DEIS). Development of a measurement system and its use for the study of the electrochemistry of platinum (2018–2024) – *principal investigator*
- VEKOP-2.3.2-16-2017-00013 – Excellence in materials science: development of environmentally friendly processes for the efficient use of renewable energy and raw material sources and the controlled release of their energy content (2017–2021) – *participant*
- OTKA K-112034 – Frequency dependent double layer capacitors (2015–2017) – *principal investigator*
- FP7 PLIANT 309530 –, Process line implementation for applied surface nanotechnologies (2013–2017) – *participant*
- NVKP-16-1-2016-0045 – Development of an innovative photo-oxidation wastewater treatment technology for the removal of organic micro-pollutants from biologically purified wastewaters (2017–2019) – *participant*
- Electrochemical double layer in ionic liquids (MÖB-DAAD – Universität Ulm (2013–2016) – *principal investigator*
- OTKA K-67874 – Environmental electrochemistry (2008–2012) – *principal investigator*
- FP7 N2P CP-IP 214134-2 – Flexible production technologies and equipment based on atmospheric pressure plasma processing for 3D nanostructured surfaces (2008–2012) – *participant*
- KTIA-AIK-12 – Scientific background of innovative techniques for the development of unconventional use of renewable energy sources and up-to-date energy storage tools (2013–2015) – *participant*
- KMR_12-1-2012-0386 – Local treatment of leachate of communal waste plants with a single innovative and chemical-free process (2012–2016) – *participant*