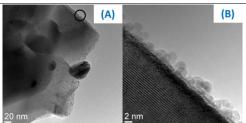
Laboratory of Cells and Supercapacitors

ACHIEVEMENTS

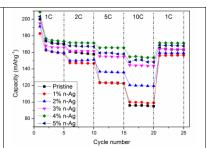
The performed detailed electrochemical analysis of the production technologies of the electrode materials obtained in our Laboratory showed that operating parameters improved significantly compared to both literature data and materials available on the market. Results were presented as research papers in high-impact international journals, a patent application and speeches delivered at a number of conferences.



SEM image of lithium manganese oxide ($LiMn_2O_4$) obtained using a modified solgel method.



HRTEM image of lithium titanium oxide (LTO) ($\text{Li}_4\text{Ti}_5\text{O}_{12}$) with silver nanoparticles (5%wt.). Silver nanoparticles measuring 2nm are visible on the surface of LTO.



Capacity (load) tests for lithium titanium oxide with Ag (1-5 %wt.).