**Nurdan Demirci Sankır** is a Professor at the TOBB University of Economics and Technology. She dedicates herself to solar energy conversion and storage technologies. Publishing many pioneering scientific articles in his field and being editor of two open-ended book series, Prof. Demirci Sankır has advised many M.S. and Ph.D. students. Today, her talk is about photo-supercapacitors as the new generation of solar energy devices.