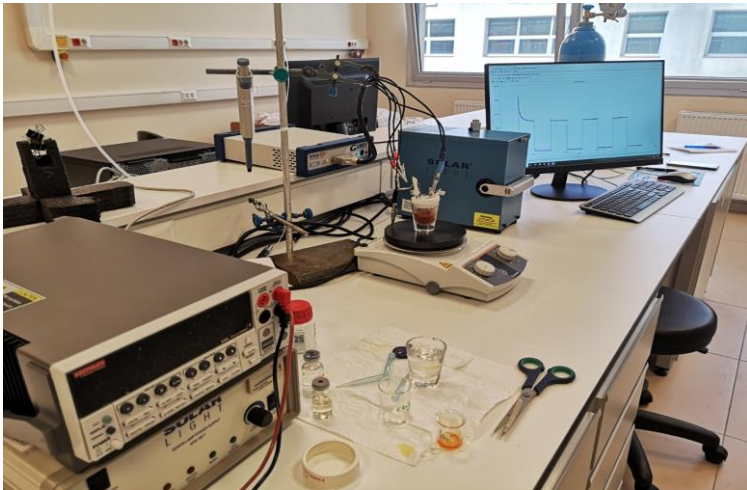


## 2L-12 ELECTROCHEMISTRY RESEARCH LABORATORY

<b>Department</b>	Department of Chemistry	
<b>Laboratory Responsible</b>	Prof. Dr. Ümit DEMİR	demiru@gtu.edu.tr
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<b>General Information</b>	Synthesis of nanomaterials for solar energy conversion and storage, photoelectrochemical cells, DSSC, QDSSC etc., electrochemical synthesis, nanocomposite material synthesis (Metal / Metal Oxide-Graphene / Graphene Oxide etc.), chemical and electrochemical sensors, supercapacitors and electrocatalytic research.	
<b>Applications</b>	<ul style="list-style-type: none"><li>○ Electrochemical Synthesis</li><li>○ Electrochemical Techniques (Voltammetry, Potentiometry, Amperometry, Impedance, Corrosion etc.)</li><li>○ Photoelectrochemical Measurements</li><li>○ Electrocatalytic Studies</li></ul>	
<b>Laboratory Photo</b>		
<b>Equipment</b>	<ul style="list-style-type: none"><li>○ Potentiostat (Gamry Instruments)</li><li>○ Photovoltaic Characterization System</li><li>○ Solar Simulator System (Solar Light)</li></ul>	
<b>Projects</b>	<ul style="list-style-type: none"><li>○ TÜBİTAK, ARDEB, 1003 (Priority Areas) (2017-2020), Next Generation Nanocomposite Electrodes for Quantum Dot Sensitized Solar Cells, 823.680,00 TL</li></ul>	