
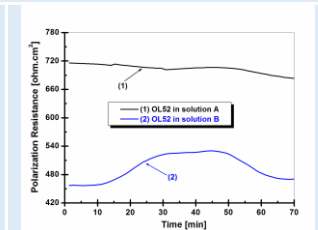
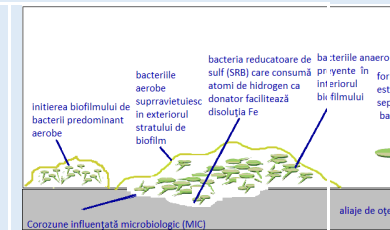


**Competences (Research) Center:  
Interfaces - Tribocorrosion and Electrochemical Systems (CC-ITES).**

<b>Offer name:</b>	<b>Assessment of materials degradation by corrosion in the Water Systems from Purification, Transport, Treatment and Storage</b>
<b>Description</b>	<p>Consultancy, expertise, technical assistance and assessment of resistance to corrosion degradation (corrosion rate) of materials used in various wastewater collection, treatment and transportation systems, degradation of the surface resistance of plant elements to corrosion due to chemical agents, biological and atmospheric by various electrochemical methods such as: Open Circuit Potential (OCP), Electrochemical Impedance (EIS) Spectroscopy, Potential Dynamic Polarization (PD), Linear Polarization, Cyclic Voltammetry (CV), Polarization Resistance and Rate of corrosion.</p> <p>One of the main objectives of a water collection, distribution and treatment facility is to enhance water quality. Without preventative behavior, material degradation through corrosion and microorganism-influenced corrosion (MIC) will occur at vulnerable sites. This will, besides maintenance costs, entail a real danger to the loneliness of human health. Water suppliers must determine all segments that may be affected by the corrosion process. This will be a starting point for building a strategy to prevent blockages within the system.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div data-bbox="421 1077 735 1305" style="text-align: center;">  <p>Fig. 1</p> </div> <div data-bbox="735 1077 1054 1305" style="text-align: center;">  <p>Fig. 2</p> </div> <div data-bbox="1054 1077 1513 1305" style="text-align: center;">  <p>Fig. 3</p> </div> </div>
<b>Responsible</b>	<p><b>Prof. Univ. Dr. (Ph.D.) Chem. Lidia BENEĂ.</b>  <b>Competences (Research) Center: Interfaces - Tribocorrosion and Electrochemical Systems (CC-ITES).</b>  <b>Dunărea de Jos University of Galati.</b></p>
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