
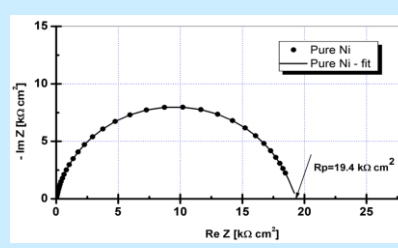



**Competences (Research) Center:
Interfaces - Tribocorrosion and Electrochemical Systems (CC-ITES).**

Offer name:	Assessment of Corrosion Degradation Resistance of Materials Used in Different Industrial and Food Systems
Description	<p>Assessment of degradation by corrosion (corrosion rate) of materials used in various industrial and food systems by various electrochemical methods such as Open Circuit Potential (OCP), Electrochemical Impedance Spectroscopy (EIS), Potentio Dynamic Polarization (PD), linear polarization. Polarization resistance (R_p) and Cyclic voltammetry (CV).</p> <p>In Fig. 1. the effect of deposited corrosion products it is shown in a fluid transport pipe, while in Fig. 2 it is shown the polarization resistance resulting from the electrochemical impedance spectroscopy (EIS) measurements in the corrosion resistance assessment of the materials. in FIG. 3 shows an electrochemical workstation for assessing the corrosion resistance of materials.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Fig. 1</p> </div> <div style="text-align: center;">  <p>Fig. 2</p> </div> <div style="text-align: center;">  <p>Fig. 3</p> </div> </div>
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