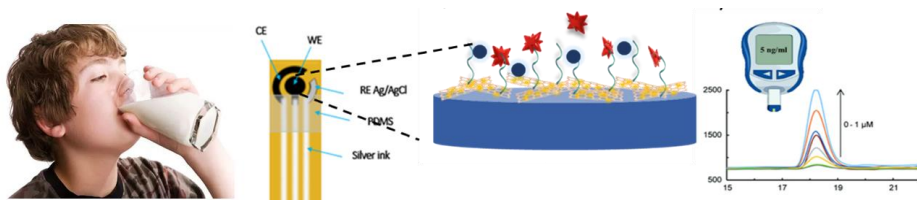


# Electrochemical Detection for Milk Antibiotics

**Project type:**  Hardware  Software  Hardware/Software  Simulation  Modelling

The term "milk antibiotics" refers to the presence of a class of antibiotics in milk. This can happen when farm animals are treated with antibiotics to prevent or treat infections caused by bacteria.

The primary goal of this project is to develop electrochemical sensors for detecting antibiotics in various matrices. By leveraging the power of electrochemistry, we aim to give healthcare professionals robust tools for rapid and accurate antibiotic monitoring, ultimately improving treatment outcomes.



## Tasks

- Experimental electrochemistry (voltammetry, electrochemical impedance spectroscopy, linear-sweep voltammetry, chronoamperometry, and others, including in-situ method).
- Structural characterization (Cyclic voltammetry, FTIR, Raman spectroscopy, and others)
- Analysis of results
- Communicate with the research community.
- Scientific and technical reporting through documentation.

## Requirements

- Basics in experimental electrochemistry.
- Excellent communication and collaborative skills
- An ability to plan and organize scientific work and laboratory experiments.

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