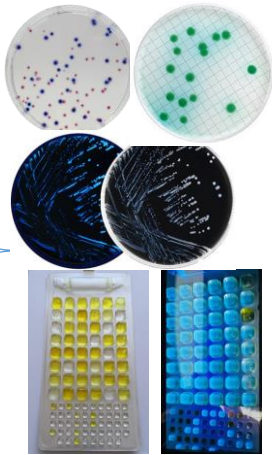


# Microbiological analyses



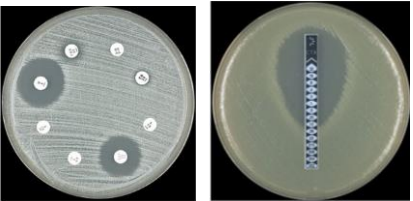
Environmental samples



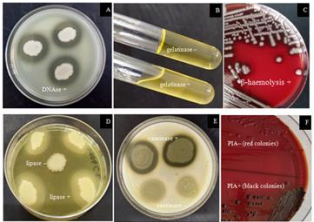
Bacterial count and isolation



Bacterial identification



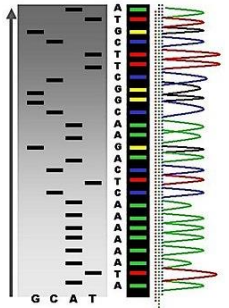
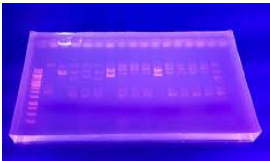
Antibiotic resistance



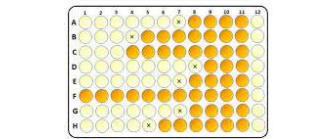
Phenotypic expression of virulence factors



Genes expression for antibiotic resistance, biocides, virulence factors  
**Proteins expression**  
**Sequencing**



Evaluation of genes expression (virulence and antimicrobial resistance) after cocultivation (bacteria-tested compound).



Antimicrobial activity



Bacterial viability



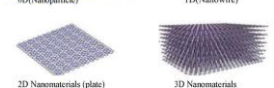
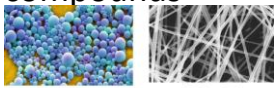
Biofilm production influence



Plant extracts



Newly synthesized compounds



Nanomaterials



Bacterial strains



Materials with different characteristics

Bacterial viability

Antibiofilm properties

Biodeterioration