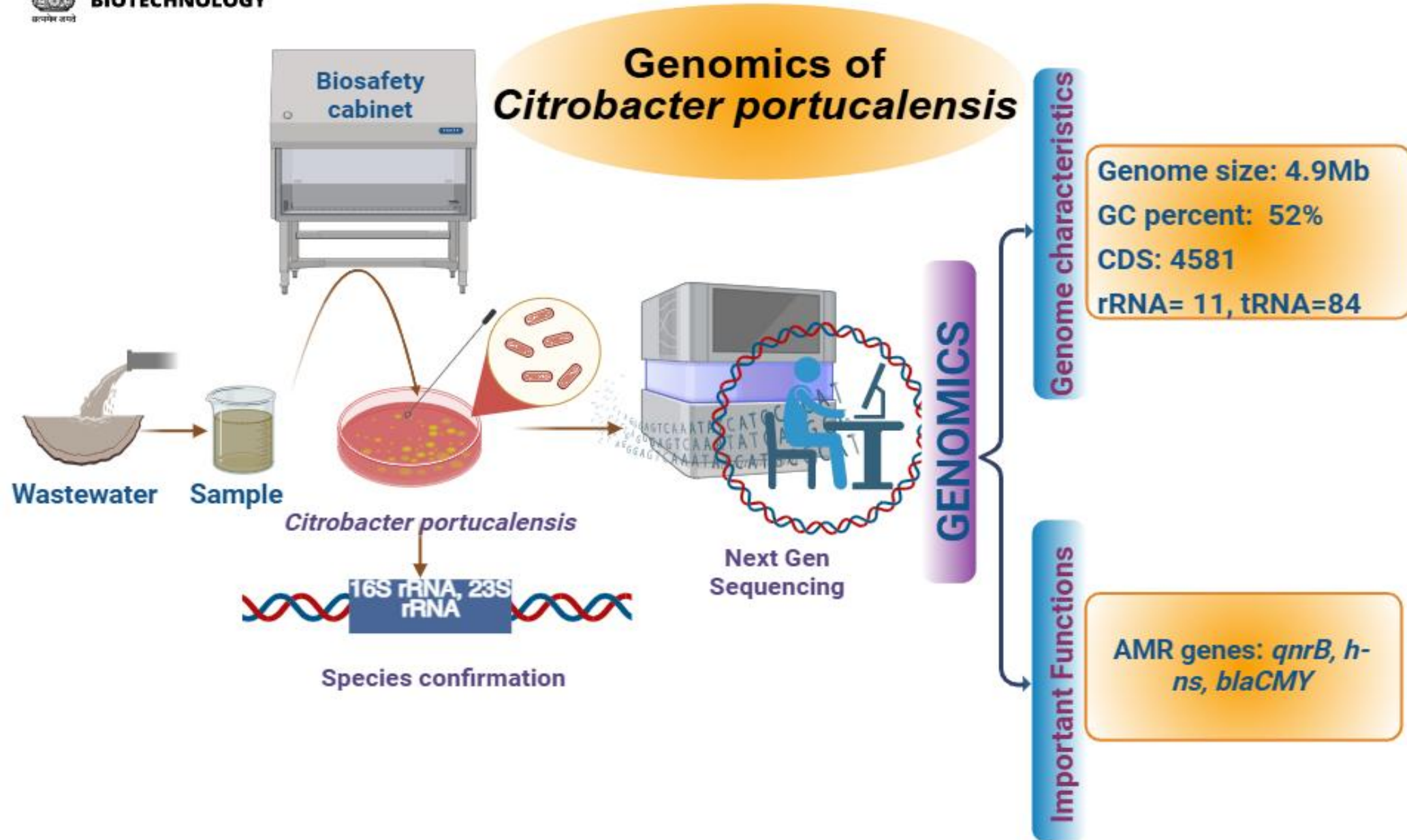




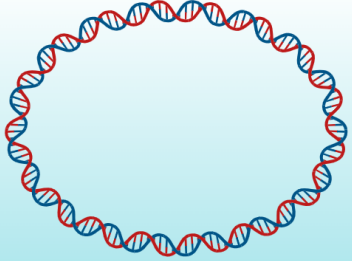
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DEPARTMENT OF
BIOTECHNOLOGY



Genome Announcement: *Citrobacter portucalensis*

Accession#SAMEA116290735(NCBI)
INS0005194 (IBDC)

1. Genome Sequencing



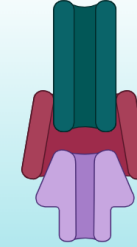
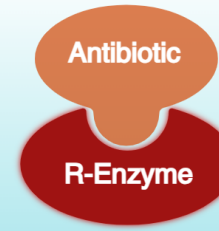
BRIC-THSTI presenting the whole genome sequence of ***Citrobacter portucalensis*** from the Indian sewage water source.

2. Analysis



This genomic analysis identifies an opportunistic bacterial pathogen harboring MGEs, carrying ARGs, demonstrating significant horizontal gene transfer (HGT) risk in sewage environments.

3. Insights



Genomic insights into ***Citrobacter portucalensis*** uncover the presence of crucial antibiotic resistance genes including ***h-ns***, ***qnrB***, and ***blaCMY*** genes, underscoring its potential role in multi-drug resistance

4. Translation



From bench to bedside and beyond, these findings drive real-world solutions—improving diagnostics, therapies, and policies to combat antimicrobial resistance.

Citrobacter portucalensis: Genomic Red Alert as a Trojan Horse for ARG Dissemination