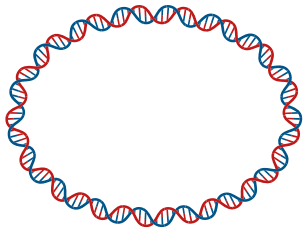
# Genome Announcement: *Citrobacter werkmanii*

**Accession#ERS21332441 (ENA)**
**INS0005066 (INDA)**

## 1. Genome Sequencing

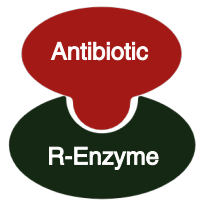


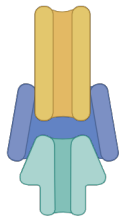
**BRIC-THSTI** presenting the complete genome sequence of ***Citrobacter werkmanii*** isolated from Indian wastewater resourses.

## 2. Analysis


Through this genomic analysis, we gain valuable insights into the metabolic flexibility, AMR mechamisms, virulence factor and environmental adaptation.

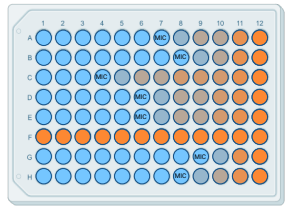
## 3. Insights



*Citrobacter werkmanii* genomic insights depicts multiple plasmids and MGEs with versatile resources of ARGs and toxins.

## 4. Translation



Understanding this genomic feature helps to understand the presence enviromental contamination indicator, particularly in wastewater.

## *Citrobacter werkmanii*: The hidden survivor of wastewater and resistance

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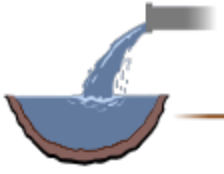
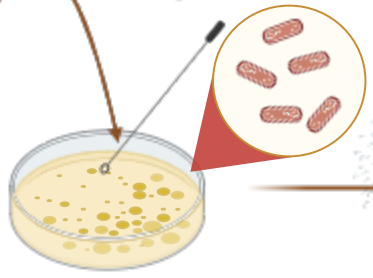
BIOTECHNOLOGY
सत्यमेव जयते

BRIC thsti

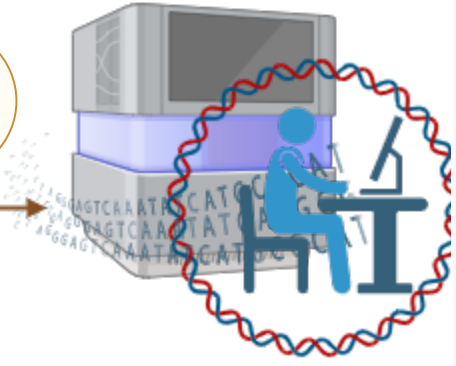
# Genomics of *Citrobacter werkmanii*



Wastewater


Sample


*Citrobacter werkmanii*


Species confirmation


Next Generation Sequencing

GENOMICS

## Genome characteristics

Genome size: 5.32mb
GC percent: 52.2%
CDS: 5252
rRNA=6, tRNA=73

## Important Functions

AMR genes: *blaCMY, blaTEM, qnrB*