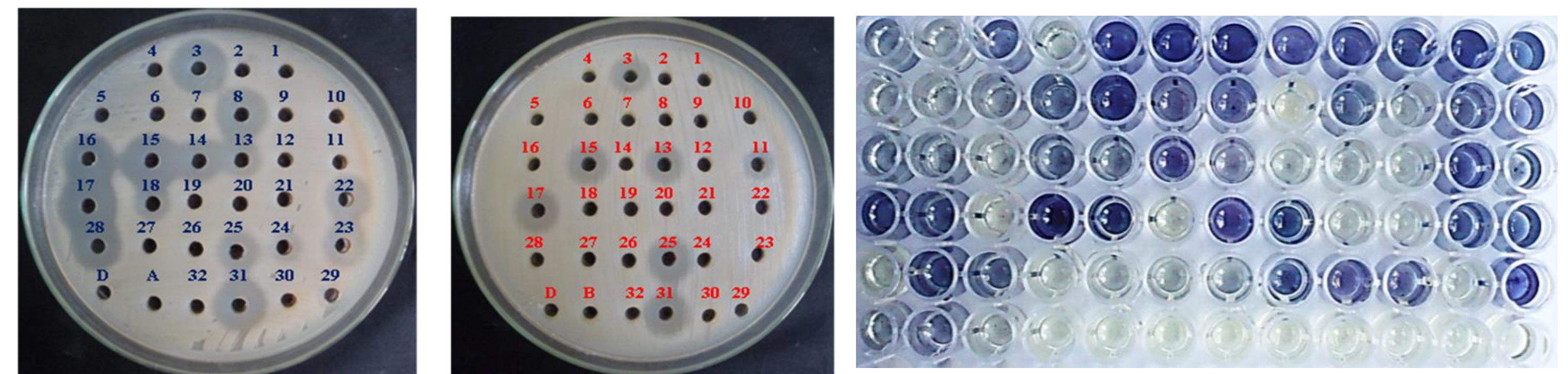


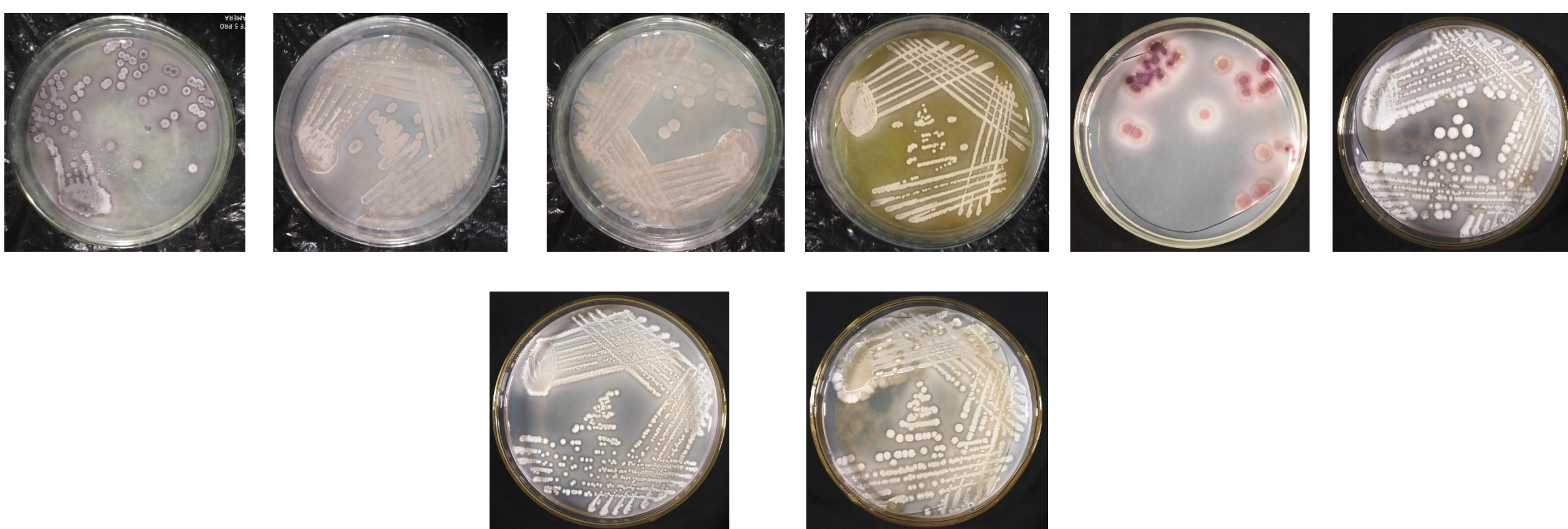
# NOVEL ANTIMICROBIAL AND CARDIOPROTECTIVE COMPOUNDS FROM HALOPHILIC BACTERIA

**DR. R. BALAJI**  
DEPARTMENT OF BIOTECHNOLOGY

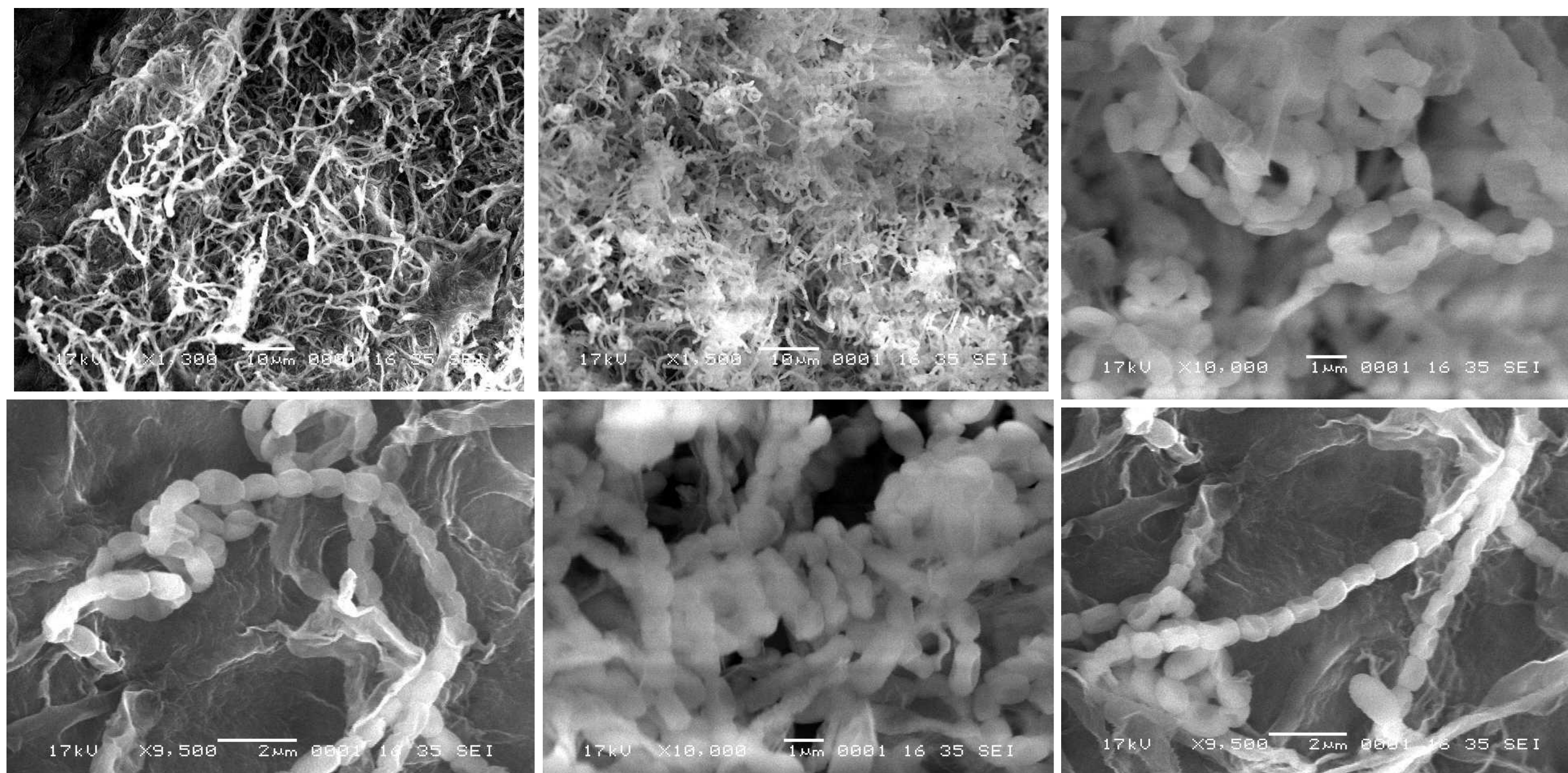
## SALIENT OUTCOME OF THE PROPOSED RESEARCH



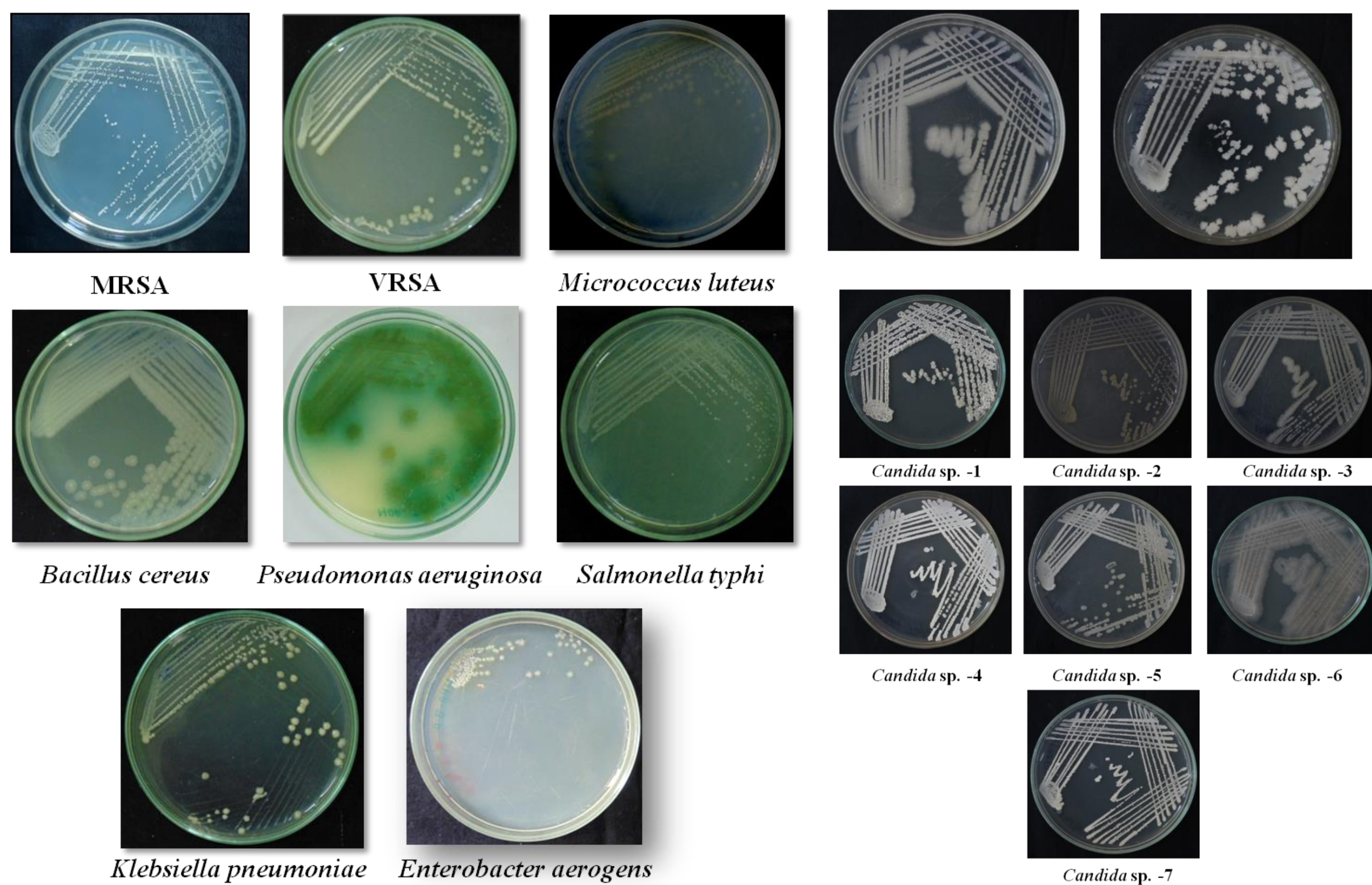
**ANTIMICROBIAL ACTIVITY OF THE CRUDE EXTRACTS OF HALOTOLERANT ACTINOMYCETES BY WELL DIFFUSION ASSAY**



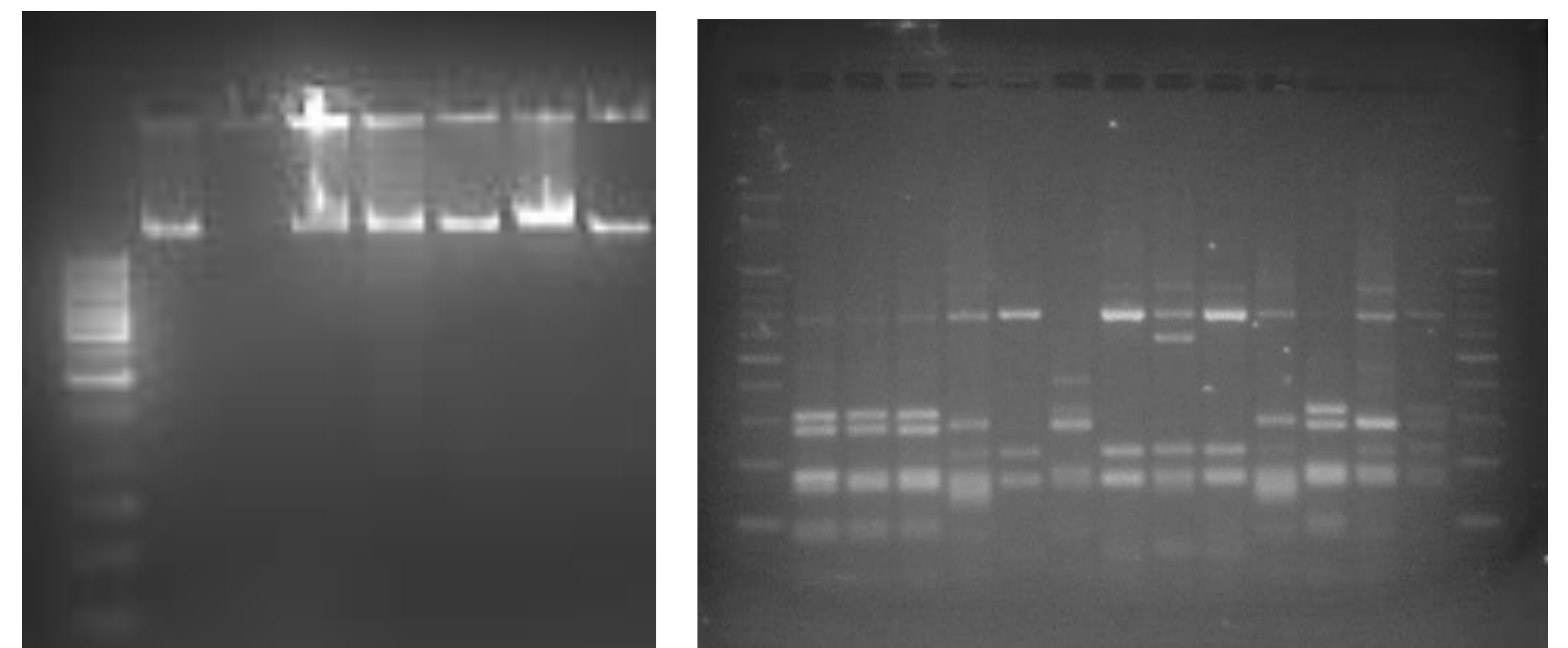
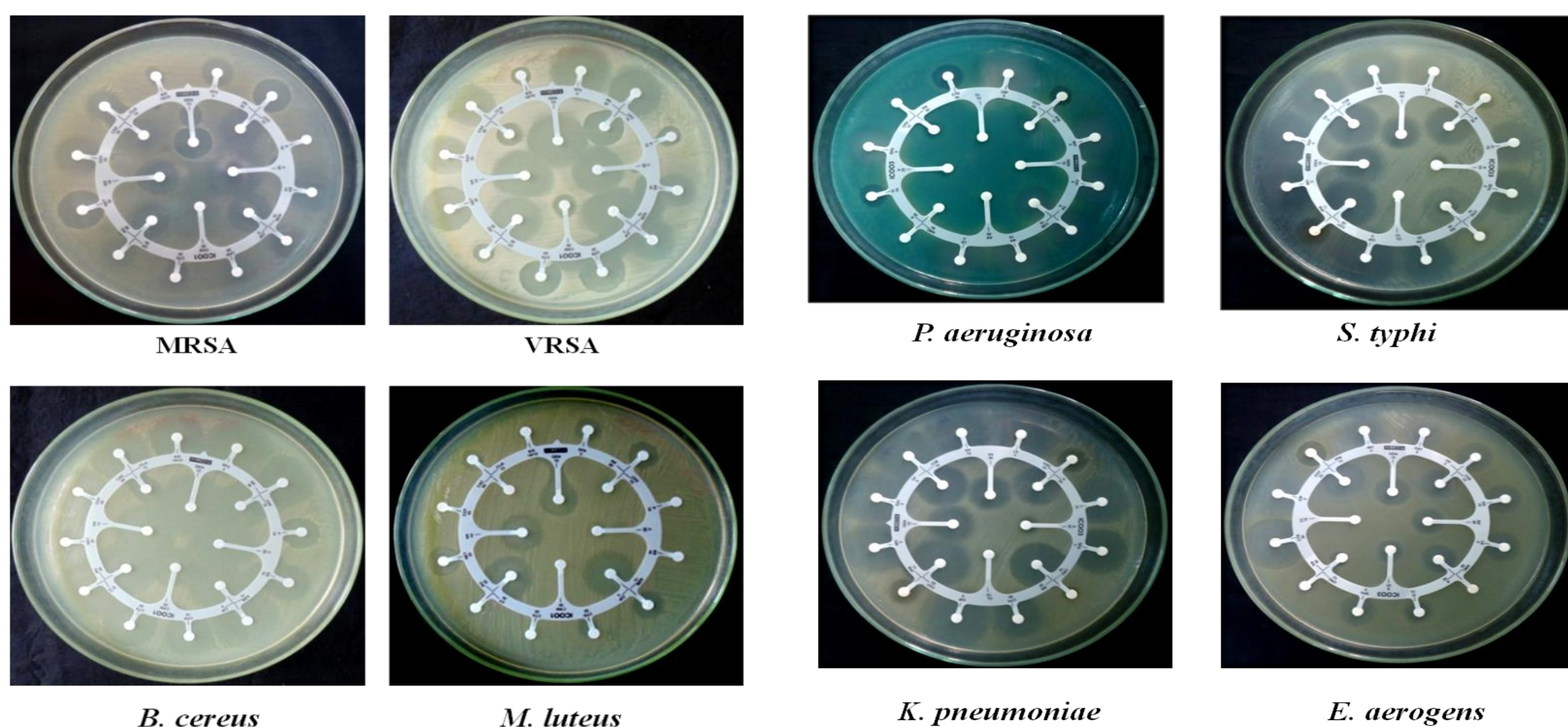
**ISOLATED HALOPHILIC CULTURES**



**SCANNING ELECTRON MICROSCOPY (SEM)**



## MULTI DRUG RESISTANT HUMAN PATHOGENS



## ISOLATION OF GENOMIC DNA & AMPLIFICATION FROM HALOPHILIC ISOLATES

**Streptomyces albobrunneus strain AVIT A002 16S ribosomal RNA gene, partial sequence**  
GenBank: OL587519.1

LOCUS OL587519 1277 bp DNA linear BCT 20-DEC-2021  
DEFINITION Streptomyces albobrunneus strain AVIT A002 16S ribosomal RNA gene, partial sequence.  
ACCESSION OL587519  
VERSION OL587519.1  
KEYWORDS  
SOURCE Streptomyces albobrunneus  
ORGANISM Streptomyces albobrunneus  
Bacteria; Actinobacteria; Streptomycetales; Streptomycetaceae; Streptomyces; Streptomyces albobrunneus group.  
REFERENCE 1 (bases 1 to 1277)  
AUTHORS Balaji,R., Devika,R. and Sathya,A.B.  
TITLE Isolation of Halophilic actinomycetes from Kelambakkam Salt Pan  
JOURNAL Unpublished  
REFERENCE 2 (bases 1 to 1277)  
AUTHORS Balaji,R., Devika,R. and Sathya,A.B.  
TITLE Direct Submission  
JOURNAL Submitted (20-NOV-2021) Department of Biotechnology, Aarupadai Veedu Institute of Technology, Old Mahabalipuram Road, Kanchipuram, Tamil Nadu 603104, India  
COMMENT Sequences were screened for chimeras by the submitter using Decipher.

S.No	Name of the Organism	Accession Number	Authors	Significant Remarks
1.	<i>Halomonas</i> sp. strain AVIT B1001	OL656094	Balaji, R., Devika, R. and Sathya, A.B.	<b>The strains as been recognized as novel species and it is first report in the Scientific era</b>
2.	<i>Salinivibrio</i> sp. strain AVIT B1005	OL744570	Balaji, R., Devika, R. and Sathya, A.B.	
3.	<i>Pseudomonas</i> sp. strain AVIT B1006	OL744572	Balaji, R., Devika, R. and Sathya, A.B.	
4.	<i>Vibrio</i> sp. strain AVIT B1007	OL744626	Balaji, R., Devika, R. and Sathya, A.B.	

**Patent: Patent Submitting process has been initiated.**