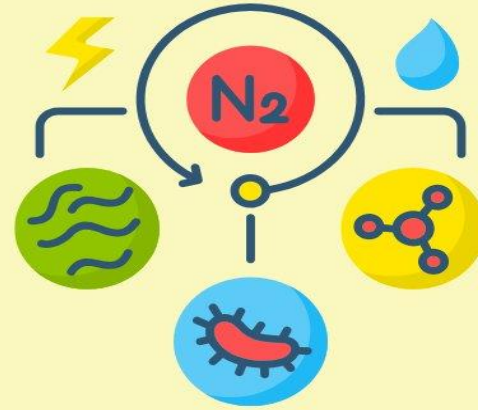
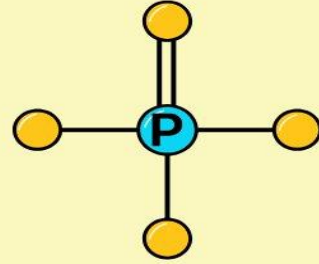




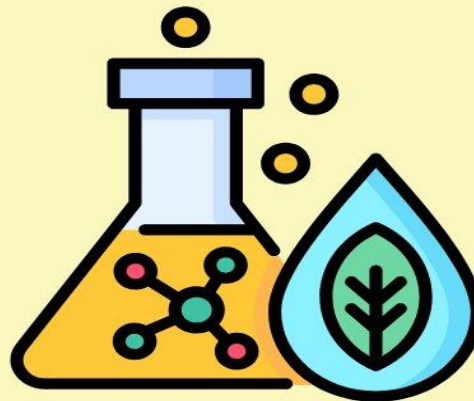
Government of India
Ministry of Science & Technology
Department of Biotechnology



PROMISING
TRAITS OF
NITROGEN
FIXATION &
PHOSPHATE
SOLUBILIZATION

ONE DAY
ONE
GENOME

*Paenibacillus
albicereus*



APPLICATIONS IN
SUSTAINABLE
AGRICULTURE &
BIOREMEDIATION

Quality of Genome Assembly and Annotation:

Results from indigenously developed **BHARAT** analysis pipeline: (**B**acterial **H**ybrid genome **A**ssembly and **R**apid **A**nnotation **T**oolset)

Table 1: Assembly Details	
Contigs	1
GC Content	63.74
Contig L50	1
Genome length	5,168,992 bp
Contig N50	5,168,992

Table 2: Annotated Genome Features	
CDS	4,861
tRNA	82
Repeat Regions	91
rRNA	24

Subsystem Analysis

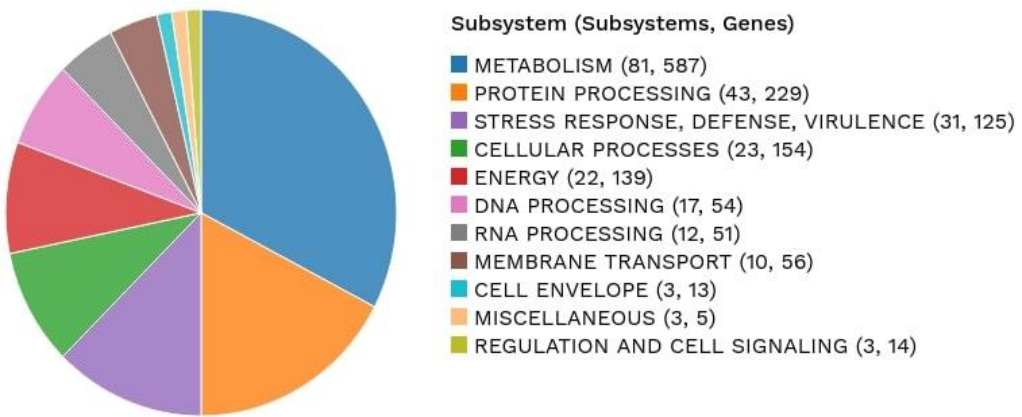


Table 3: Protein Features	
Proteins with functional assignments	2,889
Proteins with EC number assignments	924
Proteins with GO assignments	783
Proteins with Pathway assignments	668
Proteins with PATRIC genus-specific family (PLfam) assignments	3,802
Proteins with PATRIC cross-genus family (PGfam) assignments	3,871

Genome Assembly

