



St. Mary's College (Autonomous)
Reaccredited with 'A+' Grade by NAAC (Cycle IV)
Thoothukudi



**CRITERION III -RESEARCH, INNOVATIONS AND
EXTENSION**

3.3 Innovative Ecosystem. Year: 2018-2023

3.3 Innovative Ecosystem

3.3.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation Centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

➤ **DNA Bar Code**

GenBank Submission

1. Joslin, P submitted LOCUS MK758077 1511 bp DNA linear ENV 13-APR-2019.
Uncultured Desulfovibrio sp. clone pj1 16S ribosomal RNA gene, partial sequence.

<https://www.ncbi.nlm.nih.gov/nucore/MK758077>

2. Kanthimathi, P. and Dr Joslin, P.J. submitted LOCUS OP420550 1310 bp DNA linear BCT 18-SEP-2022.
Bacillus safensis strain G1 16S ribosomal RNA gene, partial sequence. ACCESSION OP420550.

<https://www.ncbi.nlm.nih.gov/nucore/2300747079>

3. Kanthimathi, P. and Dr Joslin, P.J. submitted LOCUS OP420551 1208 bp DNA linear BCT 18-SEP-2022.
Bacillus cereus strain G2 16S ribosomal RNA gene, partial sequence. ACCESSION OP420551.

<https://www.ncbi.nlm.nih.gov/nucore/2300747080>

4. Kanthimathi, P. and Dr Joslin, P.J. submitted LOCUS OP420552 1219 bp DNA linear BCT 18-SEP-2022.
Bacillus thuringiensis strain I1 16S ribosomal RNA gene, partial sequence. ACCESSION OP420552

<https://www.ncbi.nlm.nih.gov/nucore/2300747081>

5. Kanthimathi, P. and Dr Joslin, P.J. submitted LOCUS OP420553 1269 bp DNA linear BCT 18-SEP-2022.
Enterobacter cloacae strain I2 16S ribosomal RNA gene, partial sequence. ACCESSION OP420553

<https://www.ncbi.nlm.nih.gov/nuccore/2300747082>

6. Kanthimathi,P. and Dr Joslin,P.J. submitted LOCUS OP420554 883 bp
DNA linear BCT 18-SEP-2022.

Achromobacter xylosoxidans strain L1 16S ribosomal RNA gene,partial sequence.

ACCESSION OP420554

<https://www.ncbi.nlm.nih.gov/nuccore/2300747083>

7. Kanthimathi,P. and Dr Joslin,P.J. submitted LOCUS OP420555 1089 bp
DNA linear BCT 18-SEP-2022.

Bacillus cereus strain L2 16S ribosomal RNA gene, partial sequence.

ACCESSION OP420555

<https://www.ncbi.nlm.nih.gov/nuccore/2300747084>

8. Esther, M and Jemma Hermelin Jesy Diaz submitted LOCUS ON644542 1185 bp DNA
linear BCT 07-JUN-2022. *Vibrio owensii* strain LUM01 16S ribosomal RNA gene, partial
sequence NCBI/GenBank, USA / Nucleotide sequence. Accession ON644542.

<https://www.ncbi.nlm.nih.gov/nuccore/ON644542.1>

9. Esther,M and Jemma HermelinJesy Diaz submitted LOCUS ON6445423 1194 bp DNA
linear BCT 07-JUN-2022. *Vibrio owensii* strain LUM04 16S ribosomal RNA gene, partial
sequence NCBI/GenBank, USA / Nucleotide sequence. Accession ON644543.

<https://www.ncbi.nlm.nih.gov/nuccore/ON644543>

10. Esther, M and Jemma HermelinJesy Diaz submitted LOCUS ON644544 1185 bp DNA
linear BCT 07-JUN-2022. *Vibrio hyugaensis* strain LUM05 16S ribosomal RNA gene, partial
sequence NCBI/GenBank, USA / Nucleotide sequence. Accession ON744544.

<https://www.ncbi.nlm.nih.gov/nuccore/ON644544>

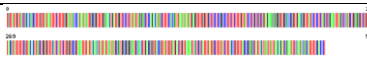
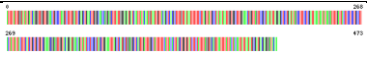
11. Dr Subavathy, P., Dr AmalaJothi Grace,G. and SornaRevathi,S.,submitted LOCUS
OQ449645 502 bp DNA linear INV 22-FEB-2023. *Chicoreus ramosus* isolate SV01
cytochrome c oxidase subunit I (COX1) gene, partial cds; mitochondrial.

<https://www.ncbi.nlm.nih.gov/nuccore/OQ449645>

12. Dr Subavathy,P., Dr AmalaJothi Grace,G. and SornaRevathi,S.,submitted LOCUS
OQ449646 474 bp DNA linear INV 22-FEB-2023 *Laevistrombus canarium* isolate SV02
cytochrome c oxidase subunit I(COX1) gene, partial cds; mitochondrial.

<https://www.ncbi.nlm.nih.gov/nuccore/OQ449646>

DNA BARCODE

S.No	Specimen Name	Authors	BIN Number	Date	Barcode
1.	<i>Chicoreus ramosus</i>	Dr Subavathy, P., Dr Amala Jothi Grace,G. and Sorna Revathi,S	AA W36 93	22.02.2023	
2.	<i>Laevistrombus canarium</i>	Dr Subavathy, P., Dr Amala Jothi Grace,G. and Sorna Revathi,S	ACT 0070	22.02.2023	




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