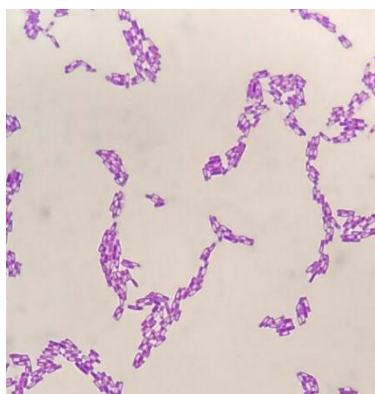


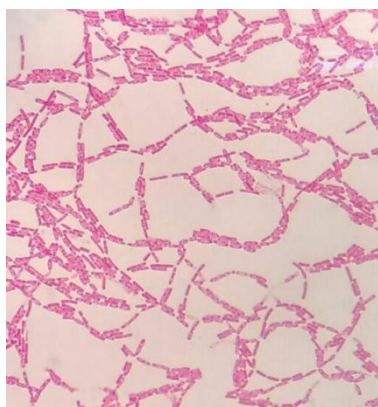
APPENDICES



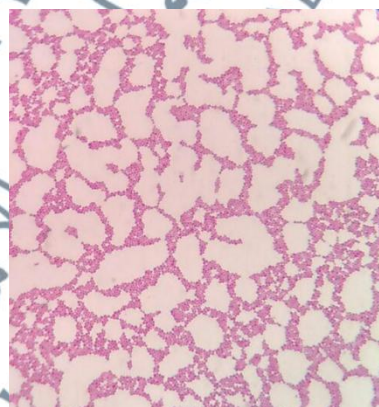
PMAS1



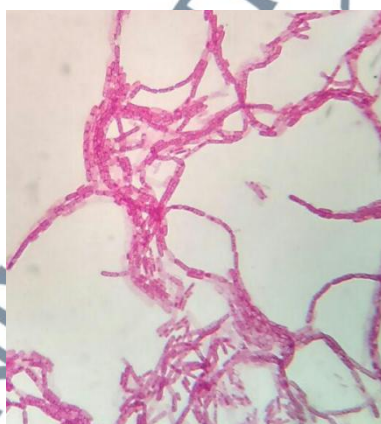
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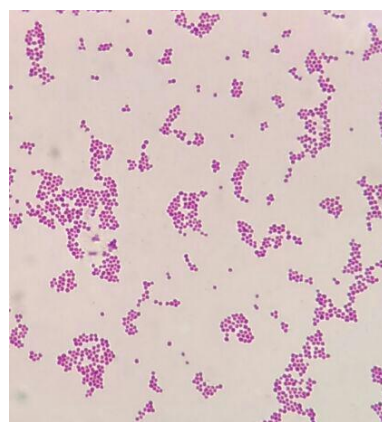
PMBW2



PMBS3



PMDC4

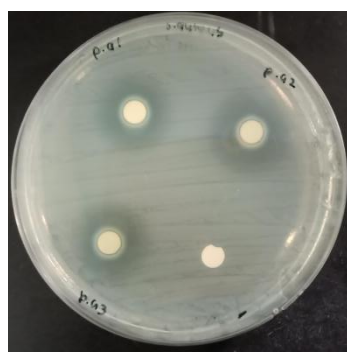


PMDL

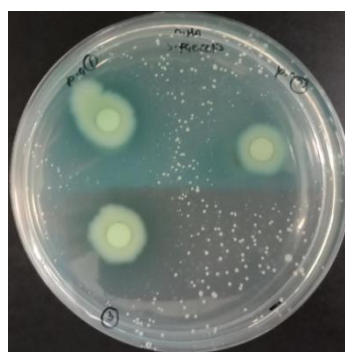
APPENDIX A. Morphological characteristic of representative strains as observed under the compound microscope.

BaCl ₂	H ₂ SO ₄	Approx cell/ml (x10x)	Optical Density
0.1	9.9	3	0.180
0.2	9.8	6	0.310
0.3	9.7	9	0.485
0.4	9.6	12	0.605
0.5	9.5	15	0.708
0.6	9.4	18	0.883
0.7	9.3	21	1.030
0.8	9.2	24	1.212
0.9	9.1	27	1.225
1.0	9.0	30	1.325

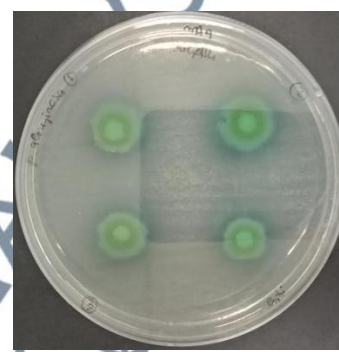
APPENDIX B. The Mc Farland Standard Chart



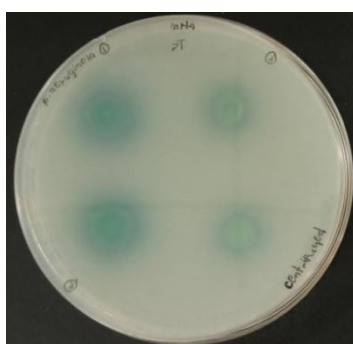
A



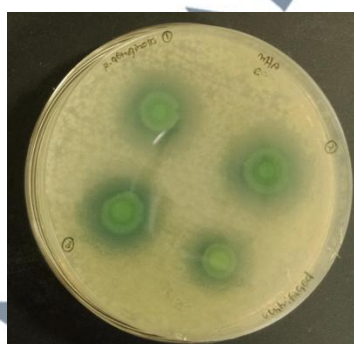
B



C



D



E



F

APPENDIX C. Representatives of antibacterial activity of pigmented bacterial extract. (A) Extracts of PMCC1 against *S. aureus*; (B) Extracts of PMCC1 against *S. faecalis*; (C) Extracts of PMCC1 against *Shigella* sp.; (D) Extracts of PMCC1 against *S. typhi*; (E) Extracts of PMCC1 against *E. coli*; (F) Extracts of PMCC2 against *S. faecalis*.

Culture supernatant	Inhibition zone (mm)														
	Gram positive bacteria									Gram negative bacteria					
	<i>S. aureus</i>			<i>S. faecalis</i>			<i>Shigella</i> sp.			<i>S. typhi</i>			<i>E. coli</i>		
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Positive control	12	11	12	19	19	22	17	17	19	15	14	15	19	19	19
Negative control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>S. pasteurii</i> PMBS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>P. aeruginosa</i> PMCC1	22	21	22	23	21	22	18	17	18	12	13	13	20	20	20
<i>P. zeaxanthinifaciens</i> PMCC2	10	9	9	17	16	18	13	14	14	0	0	0	13	12	13
<i>M. oxydans</i> PMCT1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>A. pittii</i> PMDC2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>S. saprophyticus</i> PMDP	0	0	0	0	0	0	12	11	12	0	0	0	0	0	0
<i>E. profundum</i> PMEC2	0	0	0	0	0	0	10	9	11	0	0	0	0	0	0

APPENDIX D. Antibacterial activity (zone of inhibition) of pigmented bacterial extracts on pathogenic microorganisms