

VeluManoharan Arts and Science College for Women (An Educational Initiative Under VeluManoharan Health and Educational Trust) Marappalam, Devipattinam ECR Road, Peravoor Post, Ramanathapuram 623504 Affiliated to Alagappa University, Karaikudi - 630 003.

> ANNUAL REPORT 2023-2024 Department of Microbiology

> > Prepared by Ms K Kanakatharshini Ms S Nithya Kalyani

About the Department

- The department endeavors to specialize its student in distinct areas of Microbiology. The Department of Microbiology is devoted in providing the quality education, through both theory and practical sessions.
- Our department encompasses qualified faculties experienced in a broad range of fields, including microbial physiology, molecular microbiology, genetics, genomics, Biochemistry and biotechnology.
- The department has a regularly updated library covering various topics in Microbiology which serves as an additional rich learning resource for the students.
- The department is well equipped with lab for UG & PG students which are necessary to enhance the student's practical knowledge.
- The department conducts a variety of programs to develop employable as well as soft skills of student such as subject-based competitions (poster-making, model making, debates, seminar presentations and essay writing), guest lectures by scientists, etc.
- Prizes are awarded to students who excel in academics as well as in co-curricular activities. Educational visits to research institutes and industries are conducted. The students are also encouraged to undertake internships at research institutes and biomedical laboratories.

Vision

The Department of Microbiology endeavors to be in the frontline of the field of microbiology empowering women as among the best for Microbiology education, scientific research and to satisfy the increasing demand in the country for microbiologists.

Mission

• To provide excellent education and training to women students and developing the very best in them through the stimulus of scholarly progression and academic improvement.

- To educate talents and stimulate all round personality development by imparting an essence of self-confidence in our students.
- To prepare them to become responsible contributing citizens, who can excel in leadership positions around the globe and can work for the advancement of the society.
- To offer learning environment that excites suitable and accessible knowledge on recent and changing needs in Microbiology to enable them to pursue a career of their choice.
- To equip the students with higher education and promote innovative research skills that advances the frontiers of knowledge in all the field of microbiology.

Career opportunities

- Assistant Professors in Universities and Colleges (Government, aided and Affiliated Colleges.
- Microbiologists, Quality assurance managers, Product Development managers Directors, Assistant directors, consultants etc.
- Medical Microbiology (Diagnostic Labs and Hospitals)
- Industrial Microbiology
 - Plant or Animal Biotechnology (Animal farming industry, fishery industry)
 - Food and Dairy Microbiology, (Food Industry)
 - o Immunology, Clinical Virology (vaccine and anti-viral development)
 - o Sanitation Microbiology/Environmental Microbiology(Waste water industry)
 - o Biochemistry, Pharmaceutical Microbiology (Pharma Industry)
 - Genetic Engineering, Molecular Biology or Bioinformatics (Drug development, and new product development).

Action Plan (2023-2024)

- Spoken English and communication skills
- Seminar
- Workshop
- Department Association
- Industrial Visit

Academic year: 2023-2024

Course	Year	Class Strength	Total Strength
	I Year	74	177
B.Sc., Microbiology	II Year	68	
	III Year	35	

Course	Year	Class Strength	Total Strength
M.Sc., Microbiology	I Year	30	30

Teaching Staff Profile:

S.No	Name of the Staff	Qualification	Designation	Year of
				working
1.	Dr A Kanchana	M.Phil., MBA., Ph.D.,	Head & Principal	2019 onwards
		IABMS		
2.	Mrs H Noorul Samsoon	M.Sc.,M.Phil.,(PhD)	Assistant Professor	2022 onwards
	Maharifa			
3.	Ms. R Mohana Priya	MSc (Microbiology),	Assistant Professor	2020 onwards
		DCA.,		
		BA(Hindi)		
4.	Ms. S Nithya kalyani	Msc Micrbiology	Assistant Professor	2023 onwards
5.	Ms. K Kanakatharshini	Msc Micrbiology	Assistant Professor	2023 onwards
6.	Ms A Gunappriya	Msc Micrbiology	Assistant Professor	2023 onwards
7.	Ms. N Pavithra	Msc Micrbiology	Assistant Professor	2023 onwards
8.	Ms Pugazhendhi	Msc Micrbiology	Assistant Professor	2023 onwards

Non -Teaching Staff Profile:

S.No	Name of the Staff	Qualification	Designation	Year of working
1.	Mrs Aarthi	B.Sc Nursing	Lab Assistant	2023 onwards

FACILITIES Microbiology Lab (UG & PG)Stock Report

2023-20224

S.No	Instruments	No.s
1.	Weigh Balance	1
2.	Water bath	5
3.	pH Meter	1
4.	Colony counter	2
5.	Centrifuge	4
6.	Hot plate	1
7.	Gel electrophoresis tank	3
8.	Colorimeter	3
9.	Vortex	1
10.	Incubator	3
11.	Autoclave	2
12.	Refrigerator	2
13.	Incubator Shaker	2

14.	Laminar Air Flow Chamber	1
15.	Normal Microscope Light Microscope	3
	Light meroscope	4
16.	Magnetic stirrer	2
17.	ELISA instrument	1
18.	1.Microprocessor single beam Spectrophotometer	1
19.	2.Microprocessor single beam UV-VIS Spectrophotometer	1
20.	Acer system & Printer	1
21.	Keyboard	1
22.	Mouse	1
23.	Tube distillation Adaptor	1
24.	PCR	1
25.	BB Apparatus	1
26.	Stethoscope	1

S.No	Electronic and Non Electronic Devices	No.s
1	Spirit lamp	2
2	Water faucet	3
3	Bunsen Burner	4

4	Bench top with Cupboard Corner top with cupboards	27 5
5	Stools	40
6	Cylinder	2
7	Tube Lights	6
8	Fans	8
9	Gas Stove	1
10.	Test tube stand	31
12.	Cotton swab	2
13.	pH strip	5
14.	Spatula	10
15.	Tooth pick	5
16.	Cotton bundle	5
21.	Disposable gloves	1 pack

S.No	Glasswares	Quantity
ŀ	Beaker	
	50 ml	1
	200 ml	1
	500 ml	1
1.	Biuret strand	5
	Biuret	5
2.	Conical Flask	
	150 ml	13
	250 ml	28
	500 ml	15
	1000 ml	5
3.	Colorimeter Test Tube	15

4.	Cylinder Lighter	2 1
5.	Dropper	10
6.	Heamocytometer	5
7.	Measuring Jar 10 ml	5
	100 ml	1
8.	Micro pipette 200-1000ųl	1
	100-1000ųl	2
	2-20ųl	1
	10-100ųl	1
	0.1-2.5ųl	1
	1000 ųl	6
	200ųl	1
9.	Micro Centrifuge Tube	
	2 ml	200
	2 - 200 ųl	40
	15 ml	66
10.	Microscopic cover slip	33
11.	Micro tip	
	1 ml	53
	10ų1	95
12.	Petri Dish	151
13.	Test tube	48
14.	Test tube holder	15
15.	Blood grouping Tiles	6
16.	Spatula	6
17.	Forceps	1
18.	Surgical holder	1

19.	L-rod	10
20.	Whatman filter paper	51
21.	Inoculation loop	29
22.	Class rod	5
23.	Cavity slide	7
24.	Normal slide	110
25.	Tray	2
26.	Litmus paper Red Blue	200 100
27.	Sprit lamb	2
28.	Dropper bottle	7
29.	Neubauer chamber	31
30.	Hydrometer	4
31.	Haemometer	18
32.	Syringe -5 ml	28
33.	Blood diluting pipettes WBC RBC	23 22
34.	Watch glass	23
35.	Reagent bottle	10
36.	96 well plate	12
37.	Blood Lancets	500
38.	Disposal dropper	41
39.	Salco boiling flask (250ml)	2
40.	ESR strand	40 80

	ESR Pipette	
41.	Nylon flocked swab	25

S.No	Chemicals(UG Lab)	Quantity
1.	Acetic Acid glacial	30ml
2.	Acetyls Chloride	500ml
3.	Ammonium Oxalate	480g
4.	Ammonium Thiocynate	500g
5.	Amyl Alcohol	500ml
6.	Anthrone	25g
7.	Agar Agar	30g
8.	Albumin Bovine Powder	2gm
9.	L-Ascorbic Acid	100gm
10.	Brilliant Green Bile Broth	580gm
11.	Blood Agar Base	100g
12.	Blood Agar Base (Infusion Agar)	50gm
13.	Barritt's Reagent À	100ml
14.	Barritts Reagent B	100ml
15.	Biuret Reagent	460ml
16.	Barfoed's Reagent	145ml
17.	Bials	250ml
18.	Benedict's Reagent	260 ml
19.	Calcium Carbonate	980gm
20.	Calcium Chlorite	200gm

21.	Cellulose Powder	500gm
22.	Chocolate Agar Base	580gm
23.	Cooke Rose Bengal Agar Base	100gm
24.	Cupric Sulphate	1000gm
25.	Chloroform	20 ml
26.	Crystal violet	5gm
27.	Crystal violet	20ml
28.	Congo red Powder	20gm
29.	Cetrimide Agar Base , Harmonized	80gm
30.	Di- Sodium Hydrogen Orthophosphate	500gm
31.	Di-Sodium Hydrogen Orthophosphate Anhydrous	500gm
32.	Diphenyl Amine	250gm
33.	N,N Dimethyl Acetamide	500ml
34.	3,5 Dinitro Salicylic Acid	25gm
35.	D-Fructose	95gm
36.	D- Glucose Anhydrates	400gm
37.	EDTA-Disodium salt	50gm
38.	EMB Agar	10gm
39.	Ferric Chloride Anhydrous	940gm
40.	Formaldehyde Solution	600 ml
41.	Fluid Lactose Medium	480gm
42.	Glycerol	500ml
43.	Hemoglobin Powder	60gm

44.	Hydrogen Peroxide	250ml
45.	Acetic Acid glacial	20ml
46.	Hydrochloric Acid	50ml
47	Iodine Solution	80gm
48	Iodine Resublimed	500ml
49	Iso propyl Alcohol	4gm
50	Indane Trione Hydrate	80ml
51	Kovac's Indole	40gm
52	Lactose Broth	2.5 Liter
53	Leishmans Stain Solution	490ml
54	Lacto phenol Cotton blue	400gm
55	Luria Bertani Broth	150gm
56	Lactobacillus MRS Agar	80gm
57	Mueller Hinton Agar	10gm
58	Methylene blue	20gm
59	Macconkey Agar	230gm
60	Maltose Monohydrate	10gm
61	Monohydrate	70gm
62	Mannitol Salt Agar Base	100gm
63	Mercuric Chloride	960gm
64	MR-VP Medium	90ml
65	Millon's Reagent	30ml
66	Methyl red solution	20ml
67	Malachite Green	140gm
68	Nutrient Broth	460ml

69	Ninhydrin Solution	20gm
70	Nutrient agar	250gm
71	Oxalic Acid Dehydrate	10gm
72	Orcinol Monohydrate	40gm
73	Phosphate Buffer	200gm
74	Potassium Dichromate	50gm
75	Potato Dextrose Agar	80gm
76	Potato Dextrose Broth	20ml
77	Phenolphthalein solution	350gm
78	Potassium Permanganate	250gm
79	Potassium Sodium tartrate	980gm
80 81	Potassium Hydroxide Pellets	480gm
82	Potassium chloride	500gm
83	Potassium Dihydrogen Orthophosphate	380gm
84	Potassium Bisulphate	300gm
85	Rose Bengal Agar	400gm
86	Sodium Chloride	200gm
87	Sodium Alginate	250gm
88	Sodium Potassium Tartrate	70gm
89	SIM medium	300gm
90	Starch Soluble	900gm
91	Sodium Hydroxide Pellet	500gm
92	Sucrose	400gm
93	Sodium Thio sulphate	30gm

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94	Simmonsitrate Agar	500gm
95	Sodium Acetate Anhydrates	40gm
96	Starch Agar	230gm
97	Sodium Lauryl Sulphate	500gm
98	Sodium Sulphate Anhydrates	400gm
99	Sodium Citrate Tribasic Dehydrate	500ml
100	Sulphuric Acid	80ml
101	Seliwanoffs Reagent	150ml
102	Sabouraud Dextrose Agar	100gm
103	Streptomycin sulphate	7gm
104	Try Sodium Citrate	500gm
105	Tryptone Broth	50gm
106	Tris Buffer	50gm
107	Tris Hydrochloride	40gm
108	Tributyrin Agar Base / Tributyrin	80gm
109	Tryptic Soya Agar	400gm
110	Trichloro acetic Acid	80gm
111	Triple sugar iron agar	50gm
112	Urea Agar	50gm
113	Urea Broth Base	80gm
114	Yeast Mannitol agar	150gm
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S.No	Chemicals (PG Lab)	Quantity
1.	Ammonium Sulphate	900gm
2.	Agarose Special low	300gm
3.	Albumin Bovine Fraction V Powder	5gm
4.	Ammonium Borate	250gm
5.	Ammonium Oxalate	500gm
6.	Acrylamide	500gm
7.	Ammonium Carbonate	490gm
8.	Agar Agar	487gm
9.	Agarose Special ,low EEO	300gm
10.	Bromophenol Blue	50gm
11.	Blood Agar Base	120gm
12.	Benedict's Reagent	500ml
13.	Brain Heart Infusion Broth	100gm
14.	BIAL s Reagent	125ml
15.	Barrits Reagent A	50ml
16.	Barrits Reagent B	115ml
17.	Barfoeds Reagent	125ml
18.	Citric Acid	500gm
19.	Crystal violet	50gm
20.	Crystal violet Oxalated	105ml
21.	Cholesterol	50gm
22.	Creatinine	25gm
23.	Coomassie Brilliant Blue G	50gm

24.	Carbol Fuchsin Dilute	230ml
25.	D-Glucose Anhydrous	500gm
26.	Diphenyl amine	250gm
27.	Di-Potassium hydrogen orthophosphate	500gm
28.	Di- Sodium hydrogen Orthophosphate	500gm
29.	Drabkins solution	1 L
30.	DE.IONISED WATER	4.5 liter
31.	Decolourising solution	65ml
32.	Eosin yellow stain solution	125ml
33.	EDTA – Disodium salt	500gm
34.	EMB Agar	100gm
35.	Ehrlich's Reagent	125ml
36.	Ethanol	1000 ml
37.	Ferric chloride Anhydrous	500gm
38.	Glycerol	1000ml
39.	Glycine	250gm
40.	Giemsa's Stain Solution	100ml
41.	Hydrochloric Acid Solution	200ml
42.	Hydrochloric acid	500ml
43.	Hydrogen peroxide	500ml
44.	Laemmli Buffer	50ml
45.	Lactobacillus MRS Agar	100gm
46.	Luria Bertani Broth Miller	500gm
47	Luria Bertani Agar Miller	500gm

48	Kovacs Indole Reagent	125ml
49	Malachite green	5gm
50	Methylene Blue	50ml
51	Methyl Red solution	125ml
52	Mannitol salt Agar Base	100gm
53	Macconkey Agar	198gm
54	Mannitol Soft Agar Base	130gm
55	Minimal Broth	100gm
56	MR-VP medium	497gm
57	Methyl Cellulose	500gm
58	2-Mercupto ethanol	200ml
59	Nigrosine	50gm
60	1N Sodium Hydroxide Solution	200ml
61	Nutrient Gelatin	400gm
62	Nutrient Broth	295gm
63	Nutrient Agar	180gm
64	n- Butyl Alcohol	500ml
65	Orcinol Monohydrate	20gm
66	Oxidase Discs	50 disc
67	Picric Acid Saturated solution	125ml
68	Phenol red sucrose Broth	200gm
69	Phenyl ethyl Alcohol Agar	200gm
70	Phenol Red Dextrose Broth	170gm
71	Phenol Red Lactose Agar	200gm
72	Polyethylene glycol-p-tert-Octyl	100ml

	phenyl ether	
73	Phosphate Buffered Saline	500ml
74	Phenol Red Sucrose Broth	170gm
75	Peptone Bacteriological	220gm
76	Phenol Red Lactose Broth	90gm
77	Potassium Chloride	500gm
78	Polyacrylamide Neutral	250gm
79	Potato Dextrose agar	100gm
80 81	Petroleum Jelly White	500gm
82	R.B.C Diluting Fluid	125ml
83	SM agar	600gm
84	Sodium Thio Sulphate	500gm
85	Sodium Chloride	500gm
86	Sodium Hydroxide Pellets	500gm
87	Starch Agar	140gm
88	Sodium Nitrate	500gm
89	Sodium Azide	100gm
90	Soyabean Casein Digest medium	70gm
91	Sim Medium	398gm
92	Safranine	50gm
93	Seliwenoff Reagent	125ml
94	Thio semi carbazide	50gm
95	Tributyrin Agar Base w/o Tributyrin	370gm

96	Triple Sugar Iron Agar	200gm
97	Tryptic Soya Agar	500gm
98	Thiglycollate Broth	200gm
99	Tryptone Broth	200gm
100	Tri-Sodium Citrate	100ml
101	Thio urea	500gm
102	Tryptone	500gm
103	Uric Acid	250gm
104	W.B.C Diluting Fluid	25gm
105	YPD Broth	125ml
106	Zinc Sulphate	500gm

S.No	KIT (UG & PG Lab)	Quantity
1.	Medox – Bio Competent Cell Preparation Teaching Kit	1
2.	Medox – Bio Yeast Genomic DNA Extraction Teaching Kit	3
3.	Reagent Combi pack for routine Blood Grouping & Typing	1
4.	Blood grouping kit	7
5.	RHELAX - RF	1
6.	Gram Staining Kit	1
7.	RHELAX - CRP	1
8.	RHELAX - ASO	1
9.	Widal Test kit	1
10.	Medox – Bio Isolation &	3

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	Characterization of Petite Mutants	
11.	Medox – Conjugation Kit	2
12.	Medox – Plant RNA isolation Teaching Kit	2
13.	Medox – AMES Teaching Kit	2
14.	Medox – Yeast Genomic DNA Extraction Teaching Kit	2
15.	Medox – Transduction Kit	1
16.	Agarose Gel Electrophoresis Kit	2
17.	DNase	1
18.	Competent cell. Preparation Teaching Kit	1
19.	Hiv kit	14
20.	Pregnancy kit	2
21.	Malaria	4
22.	HCV kit	12
23.	Syphillis	1
24.	HBsAG	11
25.	C Reactive Protein	1
26.	Rhematoid Factors	1
27.	Anti Streptomycin O	1

S.No	Chemicals (DMLT)	Quantity
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1.	Ammonium Molybdate	97gm
2.	Acetic Acid Glacial	995ml
3.	Ammonium Sulphate	497gm
4.	Ammonia Buffer Solution	495ml
5.	Ammonia Solution	980ml
6.	Albumin Bovine Fraction V powder	10gm
7.	Barium Chloride	500gm
8.	Biuret Reagent	125ml
9.	Benedict's Reagent	480ml
10.	Barritts Reagent A	125ml
11.	Barritts Reagent B	125 ml
12.	Bromocresol Green solution	125ml
13.	Bromothymol Blue Solution	125ml
14.	Chloroform	500ml
15.	Calcium Carbonate	480gm
16.	Creatinine	20gm
17.	Cholesterol	3gm
18.	Carbol fusion Dilute	125ml
19.	Carbol Fusion strong	125ml
20.	Diazo Reagent À	2ml
21.	2,4 Dinitro phenyl Hydrazine	22gm
22.	Diazo Reagent B	10ml
23.	Drabkins Solution	1L
24.	Dimethyl Sulphoxide	500ml

25.	Eosinophil diluting fluid	115ml
26.	Eosin yellow stain solution	125ml
27.	Ehrlichs Reagent	50ml
28.	EDTA	80gm
29.	Fouchets Reagent	180ml
30.	Hydrogen Peroxide	250ml
31.	Hydrochloric Acid	1000ml
32.	Haematoxylin Solution	125 ml
33.	Kovac's Indole Reagent	125ml
34.	Lactic Acid	500ml
35.	Leishman's staining solution	100ml
36.	Magnesium chloride	496gm
37.	Magnesium Sulphate	500ml
38.	Methyl Red Solution	125 ml
39.	Methanol pure	500ml
40.	Mercuric chloride	100gm
41.	Methylene Blue Aqueous	125ml
42.	Nitric Acid	530ml
43.	O-Tolidine Reagent	100ml
44.	Platelet diluting fluid	125ml
45.	Petroleum Ether 60- 80°	498ml
46.	Phenol	500gm
47	Phenol Reagent	75ml
48	Picric Acid Saturated Aqueous Solution	40ml

49Phosphotungstic Acid5gm50Paraffin wax 58-60°c5kg51R.B.C Diluting fluid125ml52Sodium Hydroxide Solution500ml53Sulphur Power495gm54Sodium Nitroprusside50gm55Sodium Chloride Nacl496gm56Sprit595ml57Sodium Sulphate Anhydrous498gm58Sodium Nitrate498gm59Sodium Phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea20gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml			
51R.B.C Diluting fluid125ml52Sodium Hydroxide Solution500ml53Sulphur Power495gm54Sodium Nitroprusside50gm55Sodium Chloride Nacl496gm56Sprit595ml57Sodium Sulphate Anhydrous498gm58Sodium Nitrate498gm59Sodium Phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea20gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	49	Phosphotungstic Acid	5gm
52Sodium Hydroxide Solution500ml53Sulphur Power495gm54Sodium Nitroprusside50gm55Sodium Chloride Nacl496gm56Sprit595ml57Sodium Sulphate Anhydrous498gm58Sodium Nitrate498gm59Sodium Phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea20gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	50	Paraffin wax 58-60°c	5kg
53Sulphur Power495gm54Sodium Nitroprusside50gm55Sodium Chloride Nacl496gm56Sprit595ml57Sodium Sulphate Anhydrous498gm58Sodium Nitrate498gm59Sodium phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	51	R.B.C Diluting fluid	125ml
54Sodium Nitroprusside50gm55Sodium Chloride Nacl496gm56Sprit595ml57Sodium Sulphate Anhydrous498gm58Sodium Nitrate498gm59Sodium phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	52	Sodium Hydroxide Solution	500ml
1155Sodium Chloride Nacl496gm56Sprit595ml57Sodium Sulphate Anhydrous498gm58Sodium Nitrate498gm59Sodium phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	53	Sulphur Power	495gm
56Sprit595ml57Sodium Sulphate Anhydrous498gm58Sodium Nitrate498gm59Sodium phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	54	Sodium Nitroprusside	50gm
1157Sodium Sulphate Anhydrous498gm58Sodium Nitrate498gm59Sodium phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	55	Sodium Chloride Nacl	496gm
11158Sodium Nitrate498gm59Sodium phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	56	Sprit	595ml
59Sodium phosphate Dibasic Na2HPO4498gm60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	57	Sodium Sulphate Anhydrous	498gm
Na2HPO4Description60Sodium Carbonate Anhydrous500gm61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	58	Sodium Nitrate	498gm
61Sulphanilic Acid95gm62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	59		498gm
62Sodium Tungstate97gm63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	60	Sodium Carbonate Anhydrous	500gm
63Salphuric Acid20ml64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	61	Sulphanilic Acid	95gm
64Sodium Thiosulphate(Hypo)500gm65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	62	Sodium Tungstate	97gm
65Thiourea500gm66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	63	Salphuric Acid	20ml
66Thiosemicarbazide20gm67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	64	Sodium Thiosulphate(Hypo)	500gm
67Trichloro acetic acid solution120ml68Uric acid3gm69W.B.C Diluting fluid120ml	65	Thiourea	500gm
68Uric acid3gm69W.B.C Diluting fluid120ml	66	Thiosemicarbazide	20gm
69 W.B.C Diluting fluid 120ml	67	Trichloro acetic acid solution	120ml
	68	Uric acid	3gm
	69	W.B.C Diluting fluid	120ml
70Xylene (Sulphur free)500ml	70	Xylene (Sulphur free)	500ml

S.No	KIT (DMLT)	Quantity
1.	Malaria Antigen Test PV/PF	50

2.	Syphilis Rapid test	48
3.	Hapatitis B virus surface Antigen (HBsAg) Test	50
4.	Kala azar Rapid test kit	1
5.	VDRL Kit	1
6.	RadialImmunodiffusion	1
7.	RPR Kit	2
8.	GOD POD kit	1
9.	Calcium Chloride kit	1
10.	Bilirubin Kit	1
11.	Urea Berthelot	1
12.	Chloride kit	1

Library Book list 2023 - 2024

S.No	Title of the Book Booklist	Author Name	Publisher and Edition	Count
1.	Fundamentals of Microbiology	Jeffrey C. Pommerville	-	1
2.	Text Book of microbiology	Ananthanarayanan and Panicker's	Universities Press , Tenth Edition	1
3.	Text Book of microbiology	R.C.Dubey D.K Maheshwari	S Chand Publishing	3
4.	Microbiology	Michael J Pelczar,JR.E.C.S Chan,Noel R Kreig	MC Graw Hill Education, Indian Edition	3

5.	Molecular Biology	David Friedfielder	Second Edition, Narosha Publishing Home	1
6.	Microbiology	James G Cappucino		1
7.	Molecular structure & Spectroscopy	Aruldass G	Second Edition,PHI Learning	1
8.	Microbiology (Alcam's)	-	-	1
9.	Food Microbiology	William C Frazier	Fourth Edition & Tata McGraw-Hill Publishing Company Limited	1
10.	Biotechnology	U Satyarayanan	-	1
11.	Biochemistry	U Satyarayanan & U Chakrapani	Elsiever1	

STAFF PROFILE 2022 - 2023

	Name: Mrs H Noorul Samsoon Maharifa., M.Sc., MPhil., DMLT., (PhD)
	Designation: Assistant Professor Head, Department of Microbiology, Department
100h	of Microbiology
the the	

She has Msc., MPhil qualification with Nine Years and Eight months of teaching and Research experience. Her teaching and research interests include on Molecular Biology and Microbial Genetics Theory and practical, Bioinformatics, Genomics and Proteomics, Recombinant DNA Technology, Nanobiotechnology, Research Methodology, Medical Microbiology, and Marine Biotechnology. She has published 4 original research papers in Scopus/WoS-indexed journals and 4 original research papers in UGC care list journals. She has submitted 2 Gene sequences in NCBI Genbank. She completed 1 Student research project funded by TNSCST and 1 project as a coordinator on rural upliftment "Application of Science and Technology for Rural Areas – ASTRA" funded by TNSCST. Self-motivating, principled mentor has a passion for learning contemporary technology to stimulate teaching-learning and research among peers and students.



Name: Ms R Mohana Priya., M.Sc., DCA, BA (Hindi) Designation: Assistant Professor, Department of Microbiology

She is MSc qualified with two years of experience. Her field of research interest is medical microbiology and environmental microbiology. She has attended and presented papers in State and national-level Seminars, Workshops, and conferences. She is familiar with microbiological techniques. She also published an article in the Journal of Sustainable Humanosphere, Kyoto University, Japan. She is more interested in research and explores the tiny world of microbes.

Ms.Nithya Kalyani M, Msc, Assistant professor, Department of Microbiology.

She has Msc, qualification with Nine months of experience in teaching and research in Microbiology. She completed medical coding certificate course in achievers spot, Chennai and Journalism under



Ms. K. Kanakatharshini., MSc Biotechnology Assistant Professor Department of Microbiology

She has MSc Biotechnology qualification with one year nine months of teaching experience and two years six months experience as a Microbiologyst in Quality control department in Sri Sadguru Sai Minerals, Coimbatore, Tamil Nadu. Her teaching and research interest includes on Molecular Biology, rDNA technology, Nanotechnology, Immunology, Genomics and Proteomics, Mushroom cultivation, Bifertilizer production. She got Summer Research Fellowship- 2018 by Indian Academy of Sciences, Bangalore and completed a Project "Potential interaction of molecular chaperon DnaK with cell division and genome segregation proteins of Deinococcus radiodurans" at Bhabha Atomic Research Centre (BARC) Mumbai. She has participated and presented papers in National level and International level Conferences

Mrs. GUNAPRIYA A, Msc., D.El.Ed., Assistant professor, Department of Microbiology.

She has M.Sc., D.El.Ed., qualification with eight months of experience in teaching and research as an assistant professor of microbiology, 3 years of teaching experience in a school as a biology teacher and four months of experience as a microbiologist in Protonic pvt. ltd. At Chennai, the head office located at Haryana. She has completed 6 months of medicla coding course in Sri Raetna solutions, Chennai. Dedicated, resourceful and innovative professor having knowledge across Mushroom cultivation, Vermitechnology, Immunology, Microbiology and Biodiversity. She employs effective teaching methods including laboratory instructions and experimental learning to engage students to facilitate their understanding of microbiological concepts. She provides guidance, mentorship and support to students in their academic and research pursuits.



Mrs., N.PAVITHRA M.Sc., EMT Assistant Professor., DMLT incharge. Department Of Microbiology.

She has an M.Sc. qualification with seven months of experience in teaching and an additional course has been completed in EMT-Emergency Medical Technician in six months for medical technician training at Syedha Clinic Hospital. She is on a small Grand Programme committee of the Marine Biological Association of India (MBAI) deciding the Project on Enhancement of Bioelectricity Production by Marine Bacteria. She has attended and presented at National level and International Level conferences. Her teaching interests include Medical Microbiology, Food Microbiology and Industrial Microbiology, Gynaecology, Haematology, Cardiology. He has a dedicated, punctual, positive attitude, directions to learn and follow directions, problem-solving skills, and an ability to teach students from diverse backgrounds.

Ms.P.Pugazhenthi, Msc, Assistant professor, Department of Microbiology.

She has Msc, qualification with two months of experience in teaching and one year of experience in microbiologist at Harita fehrer Ltd.Her teaching interest includes on Medical Microbiology, Biotechnology ,Food Microbiology and Industrial Microbiology.She is hard working, honest individual. She is a good timekeeper, always willing to learn new skills. She is friendly, helpful and polite, have a good sense of humour and able to work independently in busy environments and also within a team setting.

B.Sc., MICROBIOLOGY – PROGRAMME STRUCTURE ALAGAPPA UNIVERSITY, KARAIKUDI NEW SYLLABUS UNDER CBCS PATTERN (w.e.f.2017-18)

ALAGAPPA UNIVERSITY, KARAIKUDI NEW SYLLABUS UNDER CBCS PATTERN (w.e.f.2017-18)

Sem 1	Part	Course	Title of the Course	Cr.	Hrs./			arks
	ran	Code			Week	Int.		Tota
	1	711T	Tamil / Other Languages - I	3	6	25		100
	11	712E	English – I	3	6	25		100
		78MI1C1	Core – I – General Microbiology	-4	6	25	75	100
	ш	78MI1P1	Core – II – General Microbiology – Practical – I	4	6	40	60	100
	200.0		Allied-I-(Theory only) (or)	5	5	25	75	100
с.,		-	Allied-I-(Theory cum Practical)	- 4	3	15	Ext. 75 75 75 75 75 75 75 75 60 75 60 75	75
		1	Allied Practical – I	₩.	2**		-	- 27
0	IV	7NME1A / (1)Non-Major Elective-I 7NME1B / (A)kpo; nkhopapd; mbg;gilfs; 7NME1C /(B) ,f;fhy yf;fpak; / (C) Communicative English		2	1	25	75	100
			Total(Allied Theory only)	21				600
	_		Total(Allied Theory cum Practical)	20	30		•	575
	1	721T	Tamil / Other Languages - II	3	6	25	75	100
-	11	722E	English - II	3	6	25		100
	1.1	78MI2C1	Core - III - Microbial Physiology	4	6	25		100
	ш	7BMI2P1	Core – IV – Microbial Physiology – Practical – II	4	5	40	1.5.5.5	100
2		<	Allied-II -(Theory only) (or)	5	5	25	75 75 75 60 75 60 75 60 75 75 60 75 75 60 75 60 75 60 30 75 60 30 75 60 75 60 75 60 75 60 75 60 75 60 75 60 75 60 75 60 75 60 75 60 75 60 75 60 75 60 75 75 60 75 60	100
			Allied-II-(Theory cum Practical)	4	3	15		75
			Allied practical - I	2	2	20		50
	IV	7BES2	(3) Environmental Studies	2	2	25	75	100
			Total(Allied Theory only)	21	530.5			600
			Total(Allied Theory cum Practical)	22	30	-	1. ec	625
111	I	731T	Tamil /Other languages - III	3	6	25	76	100
111	1	732E	English – III	3	6	25		100
	-11	732E		4	0	25	5 75 5	100
		7BM83C1	Core-V-Molecular Biology and Microbial Genetics	- 272	5	25		100
11	ш	7BMI3P1	Core -VI-Molecular Biology and Microbial Genetics-Practical - III	4	5	40		100
			Allied -III (Theory only) (or)	5	5	25	75	100
			Allied-III (Theory cum Practical)	4	3	15	60	75
		Sections	Allied Practical ~ II	++	2**			+
11	JV	7NME3A/ 7NME3B/ 7NME3C	 (1) Non-major Elective–II (A).yf;fpaKk:nkhopg;gad;ghLk;/ (B)goe;jkpo; yf;fpaq;fSk; yf;fpatuyhWk;/ (C) Effective Employability Skills 	2	1	25	75	100
		7SBS3A1/ 7SBS3A2/ 7SBS3A3	(2) Skill Based Subjects - I	2	2	25	75	100

	V	7BEA3	Extension activities	1		100		100	
	- 10 · .	-0152102-0152	Total(Allied Theory only)	24	30	123	823	800	
			Total(Allied Theory cum Practical)	23	2525			775	
	1	741T	Tamil /other language - IV	3	6	25	75	100	
_	11	742E	English – IV	3	6	25	75	100	
	10	7BMI4C1	Core - VII - Immunology	4	5	25	75	100	
		7BMI4P1	Core-VIII-Immunology-Practic al - IV	4	4	40	60	100	
157			Allied -IV-(Theory only) (or) Allied-IV-(Theory cum Practical)	5 4	5	25 15	75 60	100 75	
14			Allied Practical - II	2	2	20	30	50	
	24	7585481/ 7585482/ 7585483	(2) Skill Based Subjects – II	2	2	25	75	100	
	IV	7BVE4/ 7BMY4/ 7BWS4	(7) Value Education / Manavalakalai Yoga / Women's Studies	2	2	25	75	100	
_	-	1.144114.5	Total(Allied Theory only)	23				700	
	-		Total(Allied Theory cum Practical)	24	30	-	5 91 5	725	
	-	7BMI5C1	Core-IX - Medical Microbiology	4	6	25	75	100	
v	11	10	7BMI5C2	Core - X - Environmental and Agricultural Microbiology	4	5	25	75	100
			iii	iŭ	7BMI5P1	Core-XI-Medical, Environmental and Agricultural Microbiology - Practical - V	4	5	40
v		7BMIE1A / 7BMIE1B	Elective – I- A) Biochemistry (or) B) Bioethics	5	5	25	75	100	
			7BMIE2A / 7BMIE2B	Elective-II-A)Bioinstrumentation (or)B)Renewable energy resources	5	5	25	75	1.00
		7SBS5A4/	(2) Skill Based Subjects - I	2	2	25	75	100	
v	IV	7SBS5A5/ 7SBS5A0/ 7SBS5A7	(2) Skill Based Subjects - I	2	2	25	75	100	
	-	rababer	Total	26	30	-	1.04	700	
		7BMI6C1	Core - XII - Recombinant DNA Technology	4	6	25	75	100	
		7BMI6C2	Core-XIII-Industrial Microbiology	4	5	25	75	100	
	HL	7BMI6C3	Core - XIV - Food and Dairy Microbiology	4	5	25	75	100	
	12	7BMI6P1	Core – XV – Recombinant DNA Technology, Industrial, Food and Dairy Microbiology–Practical–VI	4	5	40	60	100	
		7BMIE3A / 7BMIE3B	Elective – III-A) Bioinformatics (or) B) Mushroom cultivation	5	5	25	75	100	
		7SBS6B4/	(2) Skill Based Subjects - II	2	2	25	75	100	
	IV	7SBS6B5/ 7SBS6B6/ 7SBS6B7	(2) Skill Based Subjects - II	2	2	25	75	100	

2022 onwards

Sem.	Part	Course	Courses Title of the Course	T/P	Credits	Hours/	Max. Marks			
Sem.	100 000-01 j	Code				at annotations	Week	Int.	Ext.	Tota
	1	2211T	T/OL	Tamil /Other Languages -I	Т	3	6	25	75	100
I	П	712CE	E	Communicative English - I	Т	3	6	25	75	100
	Ш	22BMI1C1	CC	General Microbiology	Т	5	5	25	75	100
	1	22BMI1P1	CC	Practical-General Microbiology	Р	4	4	40	60	100
		18 <u>5</u>	AL-IA	Biochemistry/ Botany Biotechnology / Zoology	Т	3	3	25	75	100
	3	(e)	AL IA	Practical - Respective Allied Theory Course	Р	2	2	40	60	100
	IV	22BVE1	SEC-I	Value Education	Т	2	2	25	75	100
		220 121		Library / Yoga/ Counseling/Field trip			2			
	e - 5	5. ²⁰ . 543	8 84	Total		22	30	205	495	700
	I	2221T	T/OL	Tamil /Other Languages -II	Т	3	6	25	75	100
	i	722CE	E	Communicative English - II	T	3	6	25	75	100
		22BMI2C1	CC	Microbial Physiology	T	5	5	25	75	100
	ш	22BMI2P1	CC	Practical-Microbial Physiology	P	4	4	40	60	100
п		9 4 .	AL-IIB	Biochemistry/ Botany Biotechnology / Zoology	Т	3	3	25	75	100
		8	AL -IIB		Р	2	2	40	60	100
	IV	22BES2	SEC-II	Environmental Studies	Т	2	2	25	75	100
				Library	Section Content	**	2	**		
	6		To	al		22	30	205	495	700
	I	2231T	T/OL	Tamil /Other languages - III	Т	3	6	25	75	100
	Î	2232E	E	English for Enrichment - I	T	3	6	25	75	100
		22BMI3C1	CC	Molecular Biology	Ť	3	3	25	75	100
	3	22BMBC2	CC	Microbial Genetics	1942	3	3	25	75	100
	ш	22BMI3P1	CC	Practical - Molecular Biology & Microbial Genetics	Р	3	3	40	60	100
ш		*	AL-IIIA	Biochemistry/ Botany Biotechnology / Zoology	Т	3	3	25	75	100
		88. -	AL-IIIA	Practical - Respective Allied Theory Course	Р	2	2	40	60	100
	IV	22BE3	SEC-III	Entrepreneurship		2	2	25	75	100
			NME-I	1. Adipadai Tamil (or) 2. Advance Tamil (or) 3. IT Skills for Employment (or) MOOC'S	T	2	2	25	75	100
	í í		1	Total		24	30	255	645	900
	I	2241T	T/OL	Tamil /Other languages - IV	Т	3	6	25	75	100
IV	ii ii	2242E	E	English for Enrichment - II	T	3	6	25	75	100

B.Sc., MICROBIOLOGY Programme Structure

		22BM14C1	CC	Microbial Biochemistry	Т	4	4	25	75	300
		22BMI4C2			Т	4	4	25	75	100
	ш	22BMI4C3	CC	Practical-Microbial Bischemistry & Immunology	Р	3	3	40	60	100
		15	AL-IVA	Biochemistry/ Botany Biotechnology / Zoology	т	3	3	25	75	3120
			AL-IVB	Practical - Respective Allied Theory Course	P	2	2	40	60	300
	īV	*	NME-II	1. Adipadai Tamil 2. Advance Tamil 3.Small Business Management/MOOC's	T	2	2	25	75	300
			To	tal		24	30	230	570	800
-		22BM05C1	CC	Medical Microbiology	Т	4	4	25	75	100
		22BMI5C2	CC	Environmental Microbiology		4	4	25	75	100
	ш	22BMI5C3	CC	Agricultural Microbiology	Ť	4	4	25	75	100
		22BMI5C4		Microbial Biotechnology	Т	4	4	25	75	100
v		22BMI5P1	CC	Practical-Medical Microbiology	vinonmental Microbiology T 4 4 25 ricultural Microbiology T 4 4 25 crobtal Biotechnology T 4 4 25 cricul-Medical P 4 6 40 crobiology crical-Environmental P 4 6 40 crobiology mier development ployability skills 24 30 180	-60	100			
	ļ.,	228MI5P2	cc	Practical-Environmental Microbiology	Р	4	6	40	60	300
				Carrier development employability skills			28			
	1	<u> </u>	Te	tal		24	30	180	420	600
		22BMI61	DSE	Intenship		24	30	150	250	-400
					_	Or			40.0	
		228MI6E1		Vindagy	т	6	Ď.	25	75	100
		22BMI6E2		Mycology	Ť	6	6	25	75	300
		22BMI6E3		Microbial Technology	Ť	6	6	25	75	100
		22BMI6E4	E 8	Biosafety, IPR and Bioethics	T	6	6	25	75	100
		1	Others	Library/Yoga etc	_	-	2	15 1	1	
٧I	ш			Carrier development employability skills		<u>1</u> 22	4		-	- 22
						24	30	100	300	400
		Longer and	1			Or	1	Sec. 1	9	
		22BMB6PR	6 6	Project		6	10	25	75	1 100
		22BMI6E5	1 1	Industrial Microbiology	T	6	6	25	75	300
		228MI6E6	6 6	Food Microbiology	Ť	6	6	25	75	300
		22BMI6E7	S	Dairy Marphiology	Ť	6	6	25	75	IOC
			Others	Library/ Yoga/ Career development/ employability skills/Field trip etc			2			
T	-		Tot			24	30	100	300	400
	Grand Total					140				410

2023 onwards

184		Course	2			2 N 1	Hours	Marks		
Sem.	PART	Code	Courses	Title of the course	T/P	Credits	week	CIA	ESE	Tota
	Part -I	23117	1/OL	pulij Sakalu neorgi l . Other Language		3	6	25	75	100
	Part -II	2312E	E	General English-1 T		3	6	25	75	100
		23BMIIC1	CC-1	Fundamentals of Microbiology . And Microbial Diversity		5	5	25	75	100
1		23BM11P1	CC+2	Practical 1 - Fundamentals of Microbiology And Microbial Diversity	P	3	4	25	75	100
1	Part -III		Generic Elective	Biochemistry/ Botany Biotechnology / Zoology	Т	3	3	25	75	100
			(Allied)	Respective Allied Theory Course	P	2	2	25	75	100
	Part -IV	23BM11S1	SEC-I	Social and Preventive medicine	Т	2	2	25	75	100
		23BMI1FC	FC	Introduction to Microbial World	т	2	2	25	75	100
				Total		23	30	200	600	-800
	Part I	2321T	T/OL	தலிழ்இலக்கியலாலாது!! Other Language		3	6	25	-75	100
	Part II	2322E	E	General English-II		3	6	25	75	100
	Part III	23BM12C1	CC-3	Microbial Physiology And Metabolism		4	5	25	75	100
п		23BM12P1	CC-4	Microbial Physiology And Metabolism Practical		4	4	40	60	100
		(#2)	Generic Elective	Biochemistry/ Botany Biotechnology / Zoology	т	3	3	25	75	100
		144) Y	II (Allied)	Respective Allied Theory Course	P	2	2	25	75	100
	Part IV	23BM12S1	SEC-2	Nutrition & Health Hygiene	T	2	2	25	75	100
	1000100	23BM12S2	SEC -3	Sericulture	T	2	2	25	75	100
_				Total		23	30	215	585	800
	Part -1	2331T		தமிழகவரலாறும்பன்பாடும் / Other Language-III	т	3	6	25	75	100
	Part -II	urt -II 2332E E General English-III		т	3:	6	25	75	100	
ш	Part -III	23BMI3C1	cc.s	Molecular Biology and Microbial Genetics		4	5	25	75	100
		23BMI3P1	CC-6	Molecular Biology and Microbial Genetics Practical	P	4	4	40	60	100
		+	Generic Elective	Biochemistry/ Botany Biotechnology / Zoology	T	3	3	25	75	100

B. Schlierobiology Programme Structur

		1944	III (Allied)	Respective Allied Theory Course	р	2	2	25	75	100
	Part -IV	23BMI3S1	SEC-4	&Biofertiliser Technology	т	2	2	25	75	100
		233AT/ 23BMI382	SEC-5	Adipadai Tamil/ Aquaculture	т	2	2	25	75	100
		2	1	Total	-	23	30	215	585	800
	Part -1	2341T	T/OL	தமிழும்அறிவியலும் / Other Language	Т	3	6	25	75	100
	Part-II	2342E	E	General English-IV	T	3	6	2.5	75	100
		23BMI4CI	CC-7	Immunology Administrationalogy		4	4	2.5	75	100
iv		23BM14P1	CC-8	Imminology Adminumotechnology Practical	P	3	3	-40	60	100
	Part -III	1.50	Generic Elective	Biotechnology / Zoology	Т	Ĵ.	3	25	75	100
	C 0452.000	-	IV (Allied)		P	2	2	25	75	100
	Part -IV	23BMI4\$1	SEC-6	C-6 Vaccine Technology 7		2	2	25	75	100
		234AT/ 23BMI452	SEC - 7	dipadai Tamil/ T spiculture T		2	2	2.5	75	100
		238ES4	EVS	Environmental Studies	T	.2	2	25	75	100
	B 11	10000000	Costation of	Total	1	24	30	215	585	800
		23BM15C1	CC-9	Bacteriology and Mycology	T	- 4	5	25	75	100
		23BM15C2	CC-10	Virology and Parasitology	T	4	5	25	75	100
	Part -I	23BMI5P1	n n	Medical Microbiology Practical + V	P	4	5	40	60	100
		23BM15PR	CC-12	Group Project	P	4	15	-40	60	:100
v		23BMI5E1	DSE-I	Recombinant DNA Technology	т	3	4	25	75	100
	Part -II	-23BM15E2	DSE-II	Biosafety and Bioethics		1	. 4	25	75	100
		23BVE5		Value Education	T	2	2	25	75	10(
		23BML5L		Internship/Industrial Visit/ Field Visit		2	19	25	75	100
_			1	Total	+	26	30	180	420	600
		23BMI6C1	CC-13	Environmental and Agriculture Microbiology	т	4	6	25	75	100
	Part -I	23BMI6C2	CC-14	Food, Duiry and Problotic Microbiology	т	4	6	23	75	100
VI		23BMI6P1	CC - 15	Food, Dairy and Probiotie Microbiology - Practical - V1	P	4	6	25	75	100
0.0	Call St	23BMI6E1	DSE-	Pharmaceutical Microbiology	т	3	5	25	75	100
		23BMI6E2	DSE4V	Enterpreneurship and Bio- business	т	3	5	25	75	100
	Part -II	23BMI6S1	PCS	Microbial Quality Control and		2	2	25	75	100

M.Sc., MICROBIOLOGY – PROGRAMME STRUCTURE ALAGAPPA UNIVERSITY, KARAIKUDI

Credit Distribution for PG Courses First Year M.Sc., Microbiology Semester-1

Sem	Course	Course Code	Course Title	T/P	Credit	No. of Hours			
		Cour		. 1		nours	Int.	Ext.	Total
1	Core-I	23MMIIC1	General Microbiology and Microbial Diversity		3	6	25	75	100
1	Core-II	23MMI1C2	Microbial Physiology	T.	5	6	25	75	100
	Core – III	23MMI1P1	Practical I – General Microbiology, Microbial Diversity and Microbial Physiology	P	4	6	25	75	100
		23MMITE1/ 23MMITE2/ 23MMITE3	Forensic Science/ Nanobiotechnology/ Microalgal Technology	T	з	5	25	75	100
	Elective+ II Generic:	23MMI1E4/ 23MMI1E5/ 23MMI1E6	Bioinstrumentation/ Herbal Technology and Cosmetic Microbiology / Essentials of Laboratory Management and Biosafety		3	5	25	75	100
	PCS	23MMI1S1	Entrepreneurship in Biobusiness	T	2	2	25	75	100
- 3		W	Total		22	30	150	450	600
п	Core IV	23MMI2C1	Medical Bacteriology and Mycology	T	5	6	25	75	100
1	Core V	23MMI2C2	Medical Virology and Parasitology	T	5	6	25	75	100
	Core V1	23MMI2P1	Practical II - Medical Microbiology	P	4	ñ.	25	75	100
	DSE-III	23MMI2E1/ 23MMI2E2/ 23MMI2E3	Clinical Diagnostic Microbiology/	T	1	4	25	75	100
	DSE-IV	23MMI2E4/ 23MMI2E5/ 23MMI2E6	Biosafety, Bioethics and IPR /	T	3	4	25	75	100
	Skill Enhance ment I	23MMI251	Vermitechnology		2	4	25	75	100
		1	Tota	al	22	30	150	45 0	600
m	Core-VII	23MMI3C1	Immunology, Immunotechnology and Microbial Genetics		3	6	25	75	100
	Core-VIII	23MM13C2	Molecular Biology and Recombinant DNA Technology		5	6	25	75	100
	Care – IX	23MMI3P1	Practical III - Immunology, Microbial Genetics and Molecular Biology		4	6	25	75	100
12	Core - X	23MMI3C3	Fermentation Technology and Pharmaceutical Microbiology	Т	4	6	25	75	100

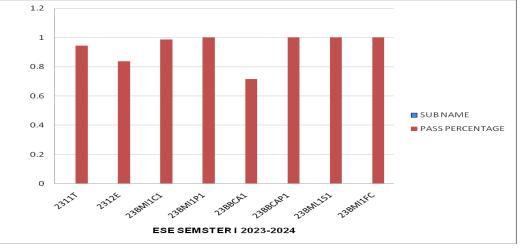
External Mark Statement

Batch - 2023 to 2026: Odd Semester November 2023

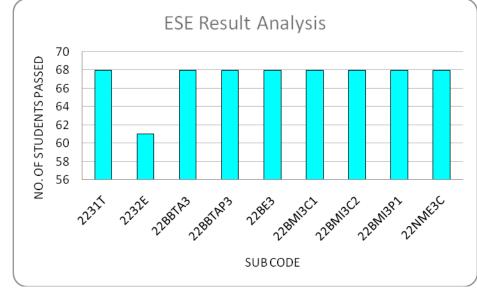
Class: I B.Sc Microbiology

Semester: I

		TOTAL NO.	NO. OF	NO. OF	NO. OF	PASS
		OF	STUDENTS	STUDENTS	STUDENTS	PERCEN
SUB CODE	SUB NAME	STUDENTS	APPEARED	PASSED	FAILED	TAGE
2311T	Tamil	74	74	70	4	95%
	English for					
2312E	enrichment	74	74	62	12	84%
	Fundamentals of					
	microbiology and					
23BMI1C1	microbial diversity	74	74	73	1	99%
	Lab for					
	Fundamentals of					
	microbiology and					
23BMl1P1	microbial diversity	74	74	74	0	100%
	Allied Biochemistry					
23BBCA1	1	74	74	53	21	72%
	Lab for Allied					
23BBCAP1	Biochemistry 1	74	74	74	0	100%
	Social and					
23BML1S1	preventive medicine	74	74	74	0	100%
	Introduction to					
23BMI1FC	microbial world	74	74	74	0	100%



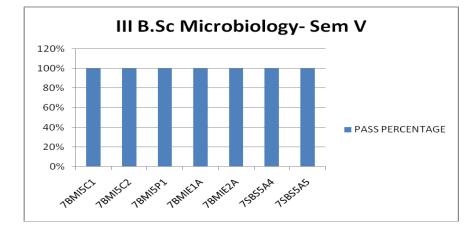
		TOTAL NO.	NO. OF	NO. OF	NO. OF	PASS
		OF	STUDENTS	STUDENTS	STUDENTS	PERCENT
SUB CODE	SUB NAME	STUDENTS	APPEARED	PASSED	FAILED	AGE
2231T	Tamil	68	68	68	0	100%
2232E	English for					
2232E	enrichment	68	68	61	8	88%
22BBTA3	Biodiversity	68	68	68	0	100%
22BBTAP3	Biodiversity practical	68	68	68	0	100%
22BE3	SEC	68	68	68	0	100%
22BMI3C1	Molecular Biology	68	68	68	0	100%
22BMI3C2	Microbal Genetics	68	68	68	0	100%
22BMI3P1	MB and MG					
22DN115P1	practical	68	68	68	0	100%
22NME3C	NME	68	68	68	0	100%



Class: III B.Sc Microbiology

Semester: V

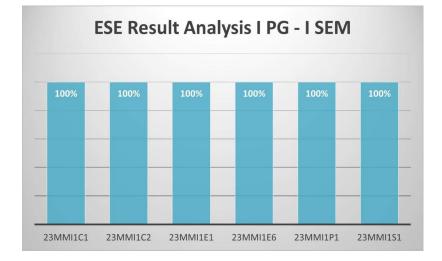
		TOTAL NO.	NO. OF	NO. OF	NO. OF	PASS
		OF	STUDENTS	STUDENTS	STUDENTS	PERCENT
SUB CODE	SUB NAME	STUDENTS	APPEARED	PASSED	FAILED	AGE
	Medical					
7BMI5C1	Microbiology	35	35	35	0	100%
	Environmental and					
	Agricultural					
7BMI5C2	Microbiology	35	35	35	0	100%
	Medical,					
	Environmental and					
	Agricultural					
7BMI5P1	Microbiology	35	35	35	0	100%
7BMIE1A	Biochemistry	35	35	35	0	100%
7BMIE2A	Bioinstumentation	35	35	35	0	100%
	Skill Based Subjects-					
7SBS5A4	Ι	35	35	35	0	100%
	Skill Based Subjects-					
7SBS5A5	II	35	35	35	0	100%



Class: I M.Sc Microbiology

Semester: I

		TOTAL NO.	NO. OF	NO. OF	NO. OF	PASS
		OF	STUDENTS	STUDENTS	STUDENTS	PERCENT
SUB CODE	SUB NAME	STUDENTS	APPEARED	PASSED	FAILED	AGE
	General Microbiology					
	and Microbial		30	30		
23MMI1C1	Diversity	30			Nil	100%
23MMI1C2	Microbial Physiology	30	30	30	Nil	100%
23MMI1E1	Forensic Science	30	30	30	Nil	100%
	Essentials of					
	Laboratory		30	30		
	Management and		30	50		
23MMI1E6	Biosafety	30			Nil	100%
	General Microbiology					
	and Microbial					
	Diversity &		30	30		
	Microbial Physiology					
23MMI1P1	Practical I	30			Nil	100%
	SEC -					
	Entrepreneurship in		30	30		
23MMI1S1	Biobuisness	30			Nil	100%



EVENTS AND PROGRAM CONDUCTED BY DEPARTMENT OF MICROBIOLOGY Guest Lecture

Guest Lecture was conducted by Department of Microbiology, Velumanoharan arts and Science College for women on 7th July 2023 from 11.00 am to 12.30 pm.



Chief guest Dr. Kathiresan Purushothaman, Scientist, Faculty of Veterinary Medicine, Department of Preclinical Sciences and Pathology, Norwegian Life Sciences University, Norway has given a lecture on topic "**Modern Innovative Techniques in Life Sciences Research**".

WORLD HEPATITIS DAY- 2023

An awareness program on WORLD HEPATITIS DAY was conducted by Department of Microbiology, Velumanoharan arts and Science College for women on 28th July 2023. Dr A Kanchana, Principal gave an awareness speech among the students.

After this session, students were able to understand the different kinds of Hepatitis diseases and its virulence factors.

INTERNATIONAL MICROORGANISM DAY - 2023 QUIZ COMPETITION

Quiz competition was conducted by Department of Microbiology, Velumanoharan arts and Science College for women on 22st September 2023 from 1.30 pm to 2.30 pm for III B. Sc and I M. Sc students in order to celebrate the International Microorganism Day (Sep 17).



Third year students got the first prize. I Pg students got the second and third prize.

DEPARTMENT OF MICROBIOLOGY & DEPARTMENT OF CHEMISTRY

ORGANIZED

TWO DAYS INDUSTRIAL TRAINING PROGRAM

Industrial training progaramme was conducted by the Department of Microbiology and the Department of Chemistry for the II, III B.Sc & I M.Sc Microbiology students and the II, III B.Sc Chemistry students on 5.10.2023 & 7.10.2023. This Workshop conducted for the students to get the ideas about the project. In this training, they got the knowledge about Paint making, Biofuel production from marine algae.



Louis Pasteur's Birthday remembrance e- quiz Competition

The Louis Pasteur's Birthday remembrance e- quiz Competition was conducted by the Department of Microbiology, Velumanoharan Arts and Science College for women. For this program google form was created and sent to students group. Totally Fifty nine students from I M.Sc, III, II & I B.Sc Department of Microbiology participated.



The E- Quiz competition was conducted on 27/12/2023. The Google form was created and sent to student's group. In this program fifty five students of Microbiology were participated. Among them thirty eight students got the certificate of merit, who got more than 80 percentage.

GUEST LECTURE ON BIO FRONTIERS AN INSIGHT FOR PG STUDENTS.

Department of microbiology organized a Guest lecture on Bio Frontiers- an insight for PG students on February 23rd 2024. Dr. S Mohandass, M.Sc, M.Phil., PSG College of Arts and Science, Coimbatore is the resource person who delivered the lecture about Scopus indexed journals and shared his research experiences followed by PG students seminar presentation.



SCIENCE DAY CELEBRATION

Department of Microbiology organized **SCI FEST 2K24** on 29.2.2024. This event aims to commemorate the wonders of science and foster a spirit of inquiry and discovery among our community.



WORLD WILDLIFE DAY- 2024

Anawareness program on **WORLD WILDLIFE DAY- 2024** in the theme as "**Connecting People and Planet; Exploring Digital Innovation in Wildlife Conservation**" was conducted by the Department of Microbiology, Velumanoharan arts and Science College for women on 4th March 2024 from 2.15 pm to 3. 15 pm.



In this event III B.Sc Microbiology students had prepared placards which were representing the awareness of endangered animals. I UG students had delivered speech about the role of wild lives in this earth.

DEPARTMENT OF MICROBIOLOGY ASSOCIATION MICROGENIA 2K24

Department of Microbiology- Microgenia 2K Association Off Stage events were conducted in the month of January, 2024 for the Microbiology students. On 25th April 2024, the valedictory function was celebrated. The prizes for the offstage competition were distributed by the Dr.A. KANCHANA AMARNATH, HOD & PRINCIPAL of VMASCW.



Along with the valedictory function of MICROGENIA we had conducted a farewell celebration to the outgoing students of 2021-2024 batch. The students were enjoyed very well by the competitions conducted by the juniors and PG students.

Name of the Students	Activity/ participation/ presentation	Name of the college/organization
All III B.Sc Microbiology	Presented poster One Day National Level	Department of Biochemistry, Raja
students	Seminar on "Biologial Science and	College of Arts and Science,
	Sustainable Utilization" on 04.10.2024	Vedhalai.
III B. Sc Microbiology		
Lakshana R		
Sornamugi S		Department of Marine and Coastal
Deepika S	Presented an Abstract in National	Studies, School of Energy,
Preethi M	Symposium on "Blue Carbon Sink"	Environment and Natural Resources,
Kanniga S	organized by on 22 & 23 March 2024	Madurai Kamaraj University in
Keerthana V		collaboration with Seaweed Research
Pradeepa S		and Utilization Association(SRUA)
Devadharshini M		
Kavinitha B		
Amaithipoo		

ACADEMIC AND NON-ACADEMIC ACTIVITIES 2023- 2024

	Won Best Poster Presentation award in	Department of Marine and Coastal
Lakshana R	National Symposium on "Blue Carbon	Studies, School of Energy,
	Sink" organized by on 22 & 23 March	Environment and Natural Resources,
	2024	Madurai Kamaraj University in
		collaboration with Seaweed Research
		and Utilization Association(SRUA)
Deepika S		
Preethi M		Plant your talent organized by talent
Kavinitha B	Participated in plant your talent	hunt, Chennai
Bhanupriya M	Competitions.	
Pradeepa S		
Jastika S	Won Best Poster presentation award in	PG Department of Microbiology &
Pavithra S	International Conference on Recent	IQAC Syed Ammal Arts and science
Muvedha B	Developments in the Microbiological	college in association with Indian
	Research for the upliftment of Humanity	Science Congress Associatin (ISCA),
	(ICRDMRH-24)	Chennai
All III B. Sc Microbiology	Participated in Two Day International	Galileovasan Offshore & Research
Students	Training of Paints, Biofuels, & Petroleum	and Development Pvt. Ltd. And
	production	Department of Microbiology &
		Chemistry, VMASCW.
All III B. Sc Microbiology	Participated in Skill development	BHUMI Foundation, Chennai
Students	Programme	

Lakshana R Kanniga S Keerthana V Pradeepa S Devadharshini M Kavinitha B Bhanupriya M Jastika S	Attended interview and got selected	Infotech MNC Company, Chennai
II B.Sc Microbiology P.Vinitha S.Madhumidha P.Ponni K.Kiruthika B.Sarupriya T. Akshaya S.Dharshana A.Agalya R.Sowmiya K.Sabithra S.Uma Bharathi	Presented poster One Day National Level Seminar on "Biologial Science and Sustainable Utilization" on 04.10.2024	Department of Biochemistry, Raja College of Arts and Science, Vedhalai
P.Vinitha S.Madhumidha	Participated in design extravaganza Topic - Edible vaccine from transgenic plants	Microfiesta-2024 Organized by the department of Microbiology, The American college, Madurai .
S.Uma Bharathi	Participated in Spill in the ink Topic - Microbes as a tool in renewable resources	Microfiesta-2024 Organized by the department of Microbiology, The American college, Madurai .
Naveen.S Aarthi sri.R Abinaya. K Vinothini.V Bavatharani.T Harini.K	Mime Topic - Health and wellness	Microfiesta-2024 Organized by the department of Microbiology, The American college, Madurai .
A.Agalya N.Anitha P.Pooja Shree K.Yadhavi L.Deepika L.Pandeeswari	Dance Topic - Indian cultural heritage	Microfiesta-2024 Organized by the department of Microbiology, The American college, Madurai .

V.Nithya sri	Rangoli	Microfiesta-2024 Organized by the
N.Abitha	Topic - Nano medicine	department of Microbiology, The
	II - Prize	American college, Madurai .
U.Uma maheswari	Participated in fireless cooking	Microfiesta-2024 Organized by the
R.Sowmiya	Topic - Millet	department of Microbiology, The
		American college, Madurai .
K.Sabithra	Participated in Petri Art	Microfiesta-2024 Organized by the
V.Keerthika	Topic - Probiotic and Guts	department of Microbiology, The
		American college, Madurai .
All II UG Students	Participated in Two Day International	Galileovasan Offshore & Research
	Training (Paints, Biofuels, & Petroleum)	and Development Pvt. Ltd. And
		Department of Microbiology &
		Chemistry, VMASCW.
K.Kiruthika	Participated in plant your talent	Plant your talent organized by talent
V.Keerthika	Competitions.	hunt, Chennai
S Naveena		
P.Poojashree		
S Uma Bharathi		
U.Uma maheswari		
S Sabithra		
S.Madhumitha		
S.Dharshana		
P.Vinitha		
K.Tharanika	Dance - II Prize	Syed Ammal Arts and science college
N.Muthu rabeena	Topic - Women Empowerment	
S.Suvathi	1 1	
K.Yadhavi		
A.Agalya		
P.Pooja Shree		
S.Dharshana		
S. Tharshini		
S. Naveena		
P.Vinitha	Participated in international women's day	International women's day -2023.
P.ponni	celebration organised by arogya hospital.	Arogya hospital, Ramanathapuram.
M.Madhumitha		r nogju nospitul, Kultunuhupurulli.
S.Tharshini		
K.Kiruthika		
K.Sabithra		
S.Umabharathi		
S. Omaonaraum		

K.Sabithra S.Uma Bharathi K.Kiruthika T Akshaya B.Saru Priya S.Madhumitha P.Vinitha	Participated in kalai thendral viruthu .	Kalai thendral viruthu organized by Agathiya maamunivar kalai ilakiya panpaattu aayivu maiyam and Kavingan Pathipagam, Agatheeshvaram.
P.Vinitha B.ponni K. Sabithra	Participated in Yuva Utsav : India @ 2027	Government of India, Ministry of youth affairs and sports, Nehru Yuva Kendra organized by Syed ammal arts and science colleges, Indian Red Cross society and Rotary club of coral City Ramnad
S.Uma Bharathi	World tamil sangam Essay	Tamil Payirchi Pattarai Tamil Valarchi Durai
P.Vinitha S Madhumitha K.Sabithra	TN SDG Girls championship 2022 Topic - Algae as a fertilizer	TN SDG Girls championship 2022 organized by Thassim Beevi Abdul Kadar college for women ,
P.Vinitha	Participated in the two days Intellectual property rights and entrepreneurship work shop through online at Alagappa University hub, Karaikudi.	Organized by Entrepreneurship development and innovation institute (PMO- IEDP), Karaikudi.
P.ponni	Participated in speech competition Topic on Self Employment	velumanoharan arts and science college for women (KHDHI PEP)
K. Sabithra	ONLINE PROGRAMMES Online training - overview of space science	Dept of space, ISRO, govt of india Dept of space, ISRO, Govt of india

K. Sabithra	-	outreach programme "Monitoring st Disturbance using geo spatial nology"		GUVI geek Network - chennai	
	Workshop on" c	hatgpt for everyone "			
	Workshop on Ga pygame	ame development using			
K. Sabithra	NSS Activities v	with CERTIFICATIONS	5		
	1. South zone Pr camp @ 2023	e Republicday parade		Digital India & mygov	
	2. state Level R 2024	epublicday parade camp) -		
	(Online NSS CERTIFICAtIO	Online NSS Activities with CTIFICAtIONS)			
	3. Activities on o	cleanliness		Health and family welfare govt of	
	4. Activities on I	Non violence		India	
	5. Activies on C	Organ donation			
I B. Sc Microbiology Dharani Raj G Ragavi B Bavatharani K Aswatha R Jaya akshaya T Pooja S Harshini K Madhumitha G Gopika B Bharkavi S	Participati	on - Dance	Pla	nt ur talent	
1.Bharkavi S 2. Ammu priya V 3. Dharani Raj G	Participation	on - Marathon			
M.Sarmitha	1.Volleyba	all - 2nd prize	Set	hakathi stadium	

S Akshaya	volleyball - 2nd prize Foot ball - 2nd prize Volleyball - 3rd prize Volleyball - 2nd prize Volleyball - 2nd prize Football - 2nd prize Volleyball - 3rd prize	Mohamed sathak engineering college Sethakathi stadium Syed Ammal engineering college Sethakathi stadium Mohamed sathak engineering college Sethakathi stadium Syed Ammal engineering college
G Asmitha N Keerthika Kaviya S Hema Kiruthika C Sindhuja G Seeni Reslin S Santhiya T Mahalakshmi M Rahini K Manimegala B Shanmuga Priya. M N Nagarani	Volunteered the clean-up drive at Pufumadam beach	Department of Marine and Coastal Studies School of Energy, Environment and Natural Resources, Madurai Kamarajar University
M Gowsalya V Shanmuga Priya S Nafila G Kaviya R Vithya B Manimegala P Mathumitha S Yoga Shiva Shree	Participated in Two Days International Conference on "Recent Trends in Vaccines and Biomaterials for Animal Health"	Department of Animal Health and Management, Alagappa University, Karaikudi.
S Noorul Murshitha M Shanmuga Priya R Ruba sri	Presented poster and paper in Two Days International Conference on "Recent Trends in Vaccines and Biomaterials for Animal Health"	Department of Animal Health and Management, Alagappa University, Karaikudi.

P Arthi G Asmitha M Gayathri S Kaviya C Hemakiruthika N Nagarani S Nafila G Sindhuja P Vijaya Tharshini	Presented poster One Day National Level Seminar on "Biologial Science and Sustainable Utilization"	Department of Biochemistry, Raja College of Arts and Science, Vedhalai.
All I PG Students	Participated in Two Day International Training (Paints, Biofuels, & Petroleum)	Galileovasan Offshore & Research and Development Pvt. Ltd. And Department of Microbiology &Chemistry, VMASCW.

FACULTY SKILL UPGRADATION 2023 -2024

Name of the Faculty	Activity/ Participation/	Name of the College/Organisation
	Presentation	
Ms R MohanaPriya.,	Submitted an abstract on	PG Department of Microbiology &
M.SC,	BIODEGRADATION OF	IQAC, Syed Ammal Arts and
Assistant Professor,	CRUDE OIL USING ISOLATED	ScienceCollege, Ramanathapuram in
Department of	MARINE BACTERIA	association with the Indian Science
Microbiology.	ISOLATED FROM a	Congress Association (ISCA), Chennai.
	POLLUTED SITE NEAR the	
	COASTAL AREA and Oral	
	presentation in Two Days	
	International Conference on	
	"Recent Developments in the	
	Microbiological Research for the	
	Upliftment of Humanity	
	(ICRDMRH-24)	
	Enrolled in	NPTEL
	Human Physiology,	
	Data Analysis for Biology Online	
	Certificate Courses	

	"Five Days International Level Online Faculty Development Program on the topic" Artificial Intelligence in Chemistry: Current Trends and Future Perspectives AICCTFP- 2023"	PG and Research Department of Chemistry, Holy Cross College (Autonomous), Tiruchirappalli - 2.
	Participated in One Day National Level Seminar on "Biological Science and Sustainable Utilization"	Department of Biochemistry, Raja College of Arts and Science, Vedhalai.
	Participated in Two Days of Industrial Training (Paint, Petroleum, and Biofuel)	Galeleovasan Offshore & Research Development Pvt. Ltd.
	One Day National Level Seminar on "Biological Science and Sustainable Utilization"	Raja College of Arts and Science, Vedhalai.
Ms M	"Five Days International Level	PG and Research Department of
Nithyakalyani.,M.SC,	Online Faculty Development	Chemistry, Holy Cross College
Assistant Professor,	Program on the topic" Artificial	(Autonomous), Tiruchirappalli - 2.
Department of Microbiology.	Intelligence in Chemistry: Current Trends and Future	
wherobiology.	Perspectives AICCTFP- 2023"	
	Two Days Industrial Training	Galeleovasan Offshore & Research
	(Paint, Petroleum, and Biofuel)	Development Pvt. Ltd.
	One Day National Level Seminar	Raja College of Arts and Science,
	on "Biological Science and Sustainable Utilization"	Vedhalai
	Five days offline FDP program on the topic "PCR Technology"	Government of Tamilnadu, Tamilnadu skill development naan mudhalvan scheme, Alagappa University.
	Enrolled	NPTEL
	1.RNA Biology	
	2.Molecular Biology	
	3.I Think Biology	
Ms K	"Five Days International Level	PG and Research Department of
Kanakatharshini.,M.SC,	Online Faculty Development	Chemistry, Holy Cross College

Assistant Professor,	Program on the topic" Artificial	(Autonomous), Tiruchirappalli - 2.
Department of	Intelligence in Chemistry: Current	(Tatononious), Thaoimappani 2.
Microbiology.	Trends and Future	
	Perspectives AICCTFP- 2023"	
	Two Days Industrial Training	Galeleovasan Offshore & Research
	(Paint, Petroleum, and Biofuel)	Development Pvt. Ltd.
		-
	One Day National Level Seminar	Raja College of Arts and Science,
	on "Biological Science and	Vedhalai
	Sustainable Utilization"	
	One-day trainingProgramme of	Gandhigram University, Dindigul
	UBI	
	Won second price in poster	School of Life Sciences, B. S. Abdur
	presentation competition in the	Rahman Institute of Science and
	National level competition on	Technology, Chennai, TamilNadu in
	Biodiversity and Biotechnology of	association with Mycology Society of
	Fungi	India (MSI) and Nano & Biomaterials
		Association.
	Presented an Abstract entitled	Department of Academics and Human
	Isolation and characterization of	Resource Development, National
	potential organic waste degrading	Institute of Food Technology,
	and plant growth promoting	Entrepreneurship and Management,
	bacteria(PGPB) from vegetable	Tanjavur (NIFTEM- T)
	waste compost in the National	
	Virtual Conference on "Food and	
	Agri Waste Utilization: Strategies,	
	Applications, and Safety Aspects-	
	(FAWU- 2023)	
	Enrolled	NPTEL
	1. Bioelectricity	
	Presented an abstract entitled	
	Targeted Drug Delivery in	*
	Oncotherapy atthe International	Health and Management, Alagappa
	Conference on RecentTrends in	University
	Vaccines and Biomaterials for	
	Animal Health (RTVBAH 2024)	
	Presented an Abstract entitled The	Department of Marine and Coastal
	Blue Carbon Ecosystems:	Studies, School of Energy, Environment
	Significance in the National	and Natural Resources, Madurai
	Symposium on Blue Carbon Sink	Kamaraj University in Collaboration
		with Seaweed Research and Utilization
		with Seaweed Research and Othization

		Association(SRUA)
Ms A. Gunapriya.,M.SC, Assistant Professor, Department of Microbiology.	Presented an Abstract entitled Anti-Biofilm Activity of <i>Prosopis</i> <i>juliflora</i> leaf Extracts against <i>Pseudomonas aeruginosa</i> at the International Conference on Recent Developments in the Microbiological Research for the Upliftment of Humanity (ICRDMRH- 24) Submitted an abstract on the Desalination process of water: An innovative approach to water purification and gave a Oral presentation in Two Days International Conference on "Recent Developments in the Microbiological Research for the Upliftment of Humanity (ICRDMRH-24)	PG Department of Microbiology & IQAC, Syed Ammal Arts and ScienceCollege, Ramanathapuram in association with the Indian Science Congress Association (ISCA), Chennai. PG Department of Microbiology & IQAC, Syed Ammal Arts and ScienceCollege, Ramanathapuram in association with the Indian Science Congress Association (ISCA), Chennai.
	"Five Days International Level Online Faculty Development Program on the topic" Artificial Intelligence in Chemistry: Current Trends and Future Perspectives AICCTFP- 2023" Two Days Industrial Training (Paint, Petroleum, and Biofuel) Enrolled 1. Bioengineering: An Interface with Biology and Medicine 2. RNA biology	PG and Research Department of Chemistry, Holy Cross College (Autonomous), Tiruchirappalli - 2. Galeleovasan Offshore & Research Development Pvt. Ltd. NPTEL
Ms Pavithra.,M.SC,	Two Days Industrial Training	Galeleovasan Offshore & Research

Assistant Professor,	(Paint, Petroleum, and Biofuel)	Development Pvt. Ltd.
Department of		
Microbiology.	One Day National Level Seminar on "Biological Science and	
	Sustainable Utilization"	Raja College of Arts and Science, Vedhalai.
	Two days International	
	Conference on "Recent Trends in	
	Vaccines and Biomaterials for	
	Animal Health"	
		Alagappa University, Karaikudi.

STUDENTS TESTIMONIALS

I am proud to write about my college and my department.

I am **R LAKSHANA** from department of MICROBIOLOGY in VMASCW. I proudly feel that I cherished every moment of my college. In my college there is a beautiful campus, quality education, faculty members and amazing friends. My staff members helped me to share my ideas, talents and I improve my skills. And also infrastructure gave me awesome feelings. I would like thank VMASCW specially my faculty members for guiding more knowledge....



I have had an amazing time studying at VMASCW, the comfortable study environment, friendly staff and wonderful resources, I am from microbiology department, while at first I thought I made a mistake in choosing microbiology as major, I soo learned how wrong i was. The faculty and staff within the microbiology department are exceptional and is great teacher and you have great future.

P Vijayadharshini I M.Sc Microbiology

"Education is one thing no one can take away from you "