



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
Sivakasi**

(Affiliated to Madurai Kamaraj University, Reaccredited with "A" Grade by NAAC,  
College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

**NAAC SSR Cycle IV (2015-2020)**

**1.1. CURRICULUM DESIGN AND  
DEVELOPMENT**

**1.1.3. COURSES FOCUS ON EMPLOYABILITY /  
ENTREPRENEURSHIP / SKILL DEVELOPMENT**

**COURSES FOCUS ON EMPLOYABILITY  
/ ENTREPRENEURSHIP / SKILL  
DEVELOPMENT  
B.Sc. MICROBIOLOGY  
2017 AND LATER**



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
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**DEPARTMENT OF MICROBIOLOGY**

**B.Sc. MICROBIOLOGY**

**COURSES FOCUS ON EMPLOYABILITY/ENTREPRENEURSHIP/  
SKILL DEVELOPMENT  
2017 AND LATER**

**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),  
SIVAKASI.  
DEPARTMENT OF MICROBIOLOGY  
(For those who have joined in June 2017 and later)**

Major	Semester	Course Code	Course Title	Activities
1	I	GLMB11	Microbiology & Microbial Techniques	
2	I	GLMB1A	Biochemistry	
3	II	GLMB21	Microbial Taxonomy & Physiology	
4	II	GLMB2A	Industrial Microbiology	
5	II	GLMB2L	Practical-I	
6	II	GLMB2AL	Allied Practical – I	
7	IV	GLMB4A	Bioinformatics	
8	IV	GLMB4L	Practical-II	
	V	GLMB5L	Practical-III	
	VI		Genomics	
9		GLMB6EC	& Proteomics/Nanobiotechnology	Employability
10	I	GLMB12	Food Microbiology	
11	VI	GLMB61	Environmental Microbiology	
12	VI	GLMB62	Microbial Biotechnology	
13	VI	GLMB6L1	Practical-IV	
14	VI	GLMB6L2	Practical-V	
15				
16	III	GLMB31	Fundamentals of Immunology	Entrepreneurship
17	III	GLMB32	Cell & Molecular Biology	
18	III	GLMB3A	Computer Application in Biology	
19	IV	GLMB41	Microbial Genetics	
20	IV	GLMB4AL	Allied Practical – II	
21	V	GLMB51	Medical Microbiology	
	V		Recombinant DNA Technology/Industrial Microbiology	
22		GLMB5EA		
	V		Agricultural Microbiology/Medical Biotechnology	
23		GLMB5EB		

*S. S. [Signature]*  
Signature of HOD

*J. Palavesan*  
Signature of Principal  
**PRINCIPAL**  
The Standard Fireworks  
Rajaratnam College  
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S.No	Semester	Course Code	Course Title	Activities	
1	I	HLMB11	General Microbiology	Employability	
2	I	HLMB12	Biochemistry		
3	I	HLMB1L	Major Practical I		
4	II	HLMB2E	Elective II - Biofertilizer		
5	III	HLMB32	Microbial Genetics & Molecular Biology		
6	III	HLMB33	Microbial Physiology		
7	III	HLMB3L	Major Practical III		
8	III	HLMB3E	CSIR-UGC NET Prelims /Food Process Technology		
9	IV	HLMB41	Clinical Microbiology		
10	I	HLMB13	Fundamentals of Biotechnology		Skill development
11	I	HLMB1E	Biostatistics/Bioinstrumentation		
12	II	HLMB21	Immunology and Immunotechniques		
13	IV	HLMB42	Bioinformatics		
14	IV	HLMB4L	Major Practical IV		
15	IV	HLMB4E	Research Methodology/Genomics and Proteomics		
16	IV	HLMB4P	Project and viva voce		
17	II	HLMB22	Fermentation Technology	Entrepreneurship	
18	II	HLMB23	Food & Dairy Microbiology		
19	II	HLMB2L	Major Practical II		
20	III	HLMB31	Agri& Environmental Microbiology		

  
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S.NO	Semester	Course Code	Course Title	Activities	
1	I	14UMB11	Microbiology & Microbial Techniques	Skill development	
2	III	14UMB3A	Bioinformatics		
3	IV	14UMB41	Immunology & Immunotechniques		
4	III	14UMB31	Microbial Genetics		
5	IV	14UMB4AL	Allied Practical – II		
6	V	14UMB51	Virology		
7	V	14UMB5EA	Recombinant DNA Technology/Industrial Microbiology		
8	VI	14UMB6P	Project Work & <i>Viva Voce</i>		
9	VI	14UMB6EC	Genomics & Proteomics/Nanobiotechnology		
10	I	14UMB12	Food Microbiology	Entrepreneurship	
11	V	14UMB5L	Practical-III		
12	VI	14UMB61	Environmental Microbiology		
13	VI	14UMB62	Microbial Biotechnology		
14	VI	14UMB6L	Practical-IV		
15	I	14UMB1A	Biochemistry		Employability
16	II	14UMB 21	Microbial Taxonomy & Physiology		
17	II	14UMB2A	Medical Microbiology		
18	II	14UMB2L	Practical-I		
19	II	14UMB2AL	Allied Practical – I		
20	III	14UMB32	Cell & Molecular Biology		
21	IV	14UMB4A	Computer Application in Biology		
22	IV	14UMB 3L	Practical-II		
23	V	14UMB5EB	Agricultural Microbiology/Medical Biotechnology		

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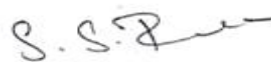


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2014 AND LATER**

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1	I	14PMB11	General Microbiology	Employability
2	I	14PMB12	Biochemistry	
3	I	14PMB13	Microbial Physiology	
4	I	14PMB1L1	Practical I	
5	II	14PMB24	Fundamentals of Biotechnology	
6	III	14PMB3EB	CSIR-UGC National Eligibility Test (NET) LIFE SCIENCES/Genomics & Proteomics	
7	I	14PMB14	Fundamentals of Immunology	Skill development-
8	I	14PMB1EA	Biostatistics and Research Methodology/Bioinstrumentation	
9	I	14PMB1L2	Practical II	
10	II	14PMB21	Fermentation Technology	
11	II	14PMB2E	Elective II (Bio-waste Management)	
12	III	14PMB31	Clinical Microbiology	
13	III	14PMB32	Bioinformatics	
14	III	14PMB33	Microbial Genetics & Molecular Biology	
15	III	14PMB3E	Elective III- (Food Process Technology)	
16	III	14PMB3L1	Practical V	
17	III	14PMB3L2	Practical VI	
18	IV	14PMB4P	Major Project Work & Viva Voce	
19	II	14PMB22	Food and Dairy Microbiology	
20	II	14PMB23	Agri& Environmental Microbiology	
21	II	14PMB2L1	Practical III	
22	II	14PMB2L2	Practical IV	

  
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