



**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. BOTANY WITH SPECIALIZATION IN PLANT BIOTECHNOLOGY
2017 AND LATER**



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
SIVAKASI – 626 123.**

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**DEPARTMENT OF BOTANY
COURSES FOCUS ON EMPLOYABILITY/ENTREPRENEURSHIP/
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**B.Sc. BOTANY WITH SPECIALIZATION IN PLANT BIOTECHNOLOGY
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**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
SIVAKASI.
DEPARTMENT OF BOTANY
B.Sc. Botany with specialization in Plant Biotechnology – GLBP
(For those who have joined in June 2017 and later)**

S. No.	Semester	Course Code	Course Title	Focus on employability, entrepreneurship and skill development
1.	I	GLBP11	Plant Diversity-I	Skill development
2.	I	GLBP12	Cell Biology and Plant Anatomy	Skill development
3.	I	GLBP1A	Animal Biotechnology I	Skill development
4.	II	GLBP21	Plant Diversity-II	Skill development
5.	II	GLBP2L	Practical I	Skill development
6.	II	GLBP2A	Animal Biotechnology II	Skill development
7.	II	GLBP2AL	Allied Practical	Skill development
8.	III	GLBP31	Embryology and Plant tissue culture	Skill development
9.	III	GLBP32	Genetics	Skill development
10.	III	GLBP3A	Fundamentals of Biochemistry	Employability
11.	IV	GLBP41	Biochemistry	Employability
12.	IV	GLBP4L	Practical II	Skill development
13.	IV	GLBP4A	Microbiology and Biotechnology	Employability
14.	IV	GLBP4AL	Allied Practical	Skill development
15.	IV	GLBP3N	Freshwater Aquaculture	Entrepreneurship
16.	IV	GLBP4N	Sericulture	Entrepreneurship
17.	V	GLBP51	Taxonomy of Angiosperms	Employability
18.	V	GLBP5L	Practical III	Skill development
19.	V	GLBP5E1	Microbiology and Plant Pathology	Entrepreneurship
20.	V	GLBP5E2	Horticulture	Employability
21.	V	GLBP5E3	Natural Resources	Employability
22.	V	GLBP5E4	Herbal Medicine	Employability



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2017 AND LATER**

23.	VI	GLBP61	Plant Physiology	Skill development
24.	VI	GLBP62	Biotechnology	Employability
25.	VI	GLBP6E1	Ecology and Biodiversity	Employability
26.	VI	GLBP6E2	Economic Botany	Employability
27.	VI	GLBP6L1	Practical IV	Skill development
28.	VI	GLBP6L2	Practical V	Skill development
29.	VI	GLSE68	Herbal Cosmetics	Entrepreneurship
30.	VI	GLSE68L	Herbal CosmeticsPractical	Entrepreneurship

B. Deefa

(B. DEEFA)

Signature of the HOD

Head of the Dept. of Botany
The Standard Fireworks Rajaratnam
College for Women, Sivakasi.

T. Palanisami

Signature of the Principal

PRINCIPAL

The Standard Fireworks
Rajaratnam College
for Women,
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DEPARTMENT OF BOTANY
M.Sc. Botany with specialization in Plant Biotechnology – HLBP
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S. No	Semester	Course Code	Course Title	Focus on employability, entrepreneurship and skill development
1.	I	HLBP11	Plant Diversity	Skill development
2.	I	HLBP12	Inheritance Biology	Skill development
3.	I	HLBP13	Taxonomy of Angiosperms	Employability
4.	I	HLBP1L	Practical I	Skill development
6.	I	HLBP1E1	Bioinstrumentation	Employability
7.	I	HLBP1E2	Herbal Medicine	Entrepreneurship
8.	II	HLBP21	Plant Anatomy and Embryology	Skill development
9.	II	HLBP22	Biochemistry	Employability
10.	II	HLBP23	Microbiology	Employability
11.	II	HLBP2L	Practical II	Skill development
13.	II	HLBP2E	Botany for Human Welfare	Entrepreneurship
14.	III	HLBP31	Cell and Molecular Biology	Skill development
15.	III	HLBP32	Environmental Microbiology	Employability
16.	III	HLBP33	Plant Physiology	Skill development
17.	III	HLBP3L	Practical III	Skill development
19.	III	HLBP3E1	CSIR-UGC NET Prelims – Life Sciences	Skill development
20.	III	HLBP3E2	Energy resources	Employability
21.	IV	HLBP41	Ecology and Biodiversity	Employability
22.	IV	HLBP42	Biotechnology	Employability
23.	IV	HLBP4L	Practical IV	Skill development
24.	IV	HLBP4P	Project and <i>viva voce</i>	Skill development



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25.	IV	HLBP4E1	Biophysics and Biostatistics	Employability
26.	IV	HLBP4E2	Microbial Genetics	Skill development

B. Deena
(B. DEENA)
Signature of the HOD

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DEPARTMENT OF BOTANY

B.Sc. Botany with specialization in Plant Biotechnology – 14UBP
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S. No.	Semester	Course Code	Course Title	Focus on employability, entrepreneurship and skill development
1.	I	14UBP11	Plant Diversity-I	Skill development
2.	I	14UBP12	Plant Diversity-II	Skill development
3.	I	14UBP1A	Animal Biotechnology I	Skill development
4.	II	14UBP21	Cell Biology and Plant Anatomy	Skill development
5.	II	14UBP 2A	Animal Biotechnology I	Skill development
6.	II	14UBP2L	Practical I	Skill development
7.	II	14UBP2AL	Allied Practical	Skill development
8.	III	14UBP31	Plant Anatomy and Embryology	Skill development
9.	III	14UBP32	Genetics and Evolution	Skill development
10.	III	14UBP3A	Fundamentals of Biochemistry	Employability
11.	IV	14UBP41	Biochemistry	Employability
12.	IV	14UBP4L	Practical II	Skill development
13.	IV	14UBP4A	Microbiology and Biotechnology	Employability
14.	IV	14UBP4AL	Allied Practical	Skill development
15.	IV	14UBP3N	Freshwater Aquaculture	Entrepreneurship
16.	IV	14UBP4N	Sericulture	Entrepreneurship
17.	IV	14UBP4DSL	Techniques in Biosciences Practical	Employability
18.	V	14UBP51	Taxonomy of Angiosperms	Employability
19.	V	14UBP5L	Practical III	Skill development
20.	V	14UBP5E1	Microbiology and Plant	Entrepreneurship



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			Pathology	
21.	V	14UBP5E2	Horticulture	Employability
22.	V	14UBP5E3	Natural Resources	Employability
23.	V	14UBP5E4	Herbal Medicine	Employability
24.	VI	14UBP61	Plant Physiology	Skill development
25.	VI	14UBP62	Plant Biotechnology	Employability
26.	VI	14UBP6E1	Economic Botany	Employability
27.	VI	14UBP6E2	Ecology and Biodiversity	Employability
28.	VI	14UBP6L1	Practical IV	Skill development
29.	VI	14UBP6L2	Practical V	Skill development
30.	VI	BDSE68	Herbal Cosmetics	Entrepreneurship
31.	VI	BDSE68L	Herbal Cosmetics Practical	Entrepreneurship

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1.	I	14PBP11	Plant Diversity I	Skill development
2.	I	14PBP12	Plant Diversity II	Skill development
3.	I	14PBP13	Taxonomy of Angiosperms	Employability
4.	I	14PBP1L	Practical I	Skill development
6.	I	14PBP1E1	Bioinstrumentation	Employability
7.	I	14PBP1E2	Herbal Medicine	Entrepreneurship
8.	II	14PBP21	Developmental Botany	Skill development
9.	II	14PBP22	Biochemistry	Employability
10.	II	14PBP23	Genetics and Genetic Engineering	Skill development
11.	II	14PBP2L	Practical III	Skill development
13.	II	14PBP2E	Botany for Human Welfare	Entrepreneurship
14.	III	14PBP31	Cell and Molecular Biology	Skill development
15.	III	14PBP32	Microbiology	Employability
16.	III	14PBP33	Plant Physiology	Skill development
17.	III	14PBP3L	Practical III	Skill development
19.	III	14PBP3E	Energy resources	Skill development
20.	III	14PBP3E1	CSIR-UGC NET Prelims – Life Sciences	Employability
21.	IV	14PBP41	Ecology and Biodiversity	Employability
22.	IV	14PBP42	Biotechnology	Employability
23.	IV	14PBP4L	Practical VII	Skill development
24.	IV	14PBP4P	Project and <i>viva voce</i>	Skill development



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25.	IV	14PBP4E1	Biophysics and Biostatistics	Employability
26.	IV	14PBP4E2	Microbial Genetics	Skill development

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