

J.J. College of Arts and Science (Autonomous)

J.J. Nagar, Sivapuram Post, Pudukkottai

2.3.2 Details of ICT Enabled Teaching Resources

Department : Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. M. Arumugam

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	20/6/23	III B.Sc Botany	Cell biology and molecular Genetics	Prokaryotic and Eukaryotic cells	YouTube
2.	28/6/23	III B.Sc Botany	Cell biology and molecular Genetics	Structure of Cellular organelles	e-Padalarai
3.	10/7/23	III B.Sc Botany	Cell biology and molecular Genetics	Cell cycle	e-content
4.	21/7/23	III B.Sc Botany	Cell biology and molecular Genetics	Structure of Chromosomes	YouTube
5.	4/7/23	III B.Sc Botany	Cell biology and molecular Genetics	Mendel's Law	e-Content
6.	19/7/23	III B.Sc Botany	Cell biology and molecular Genetics	Epistasis	PPT
7.	23/7/23	III B.Sc Botany	Cell biology and molecular Genetics	DNA Repair mechanisms	YouTube
8.	26/7/23	III B.Sc Botany	Cell biology and molecular Genetics	Mutation	PPT
9.	23/8/23	III B.Sc Botany	Cell biology and molecular Genetics	Concept of Evolution	PPT
10.	25/8/23	III B.Sc Botany	Cell biology and molecular Genetics	Modern synthetic theories	YouTube
11.	4/9/23	III B.Sc Botany	Cell biology and molecular Genetics	Polyploidy	e-content
12.	3/10/23	III B.Sc Botany	Cell biology and molecular Genetics	Genetics	PPT

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2.3.2 Details of ICT Enabled Teaching Resources

Department

Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. A.N. Sundar

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	4/8/23	III B-sc Botany	microbiology and Immunology	History of microbiology	PPT
2.	14/8/23	III B sc Botany	microbiology and Immunology	Plasma membrane	e-content
3.	4/9/23	III B-sc Botany	Microbiology and Immunology	classification of virus	e-content
4.	7/9/23	III B-sc Botany	Microbiology and Immunology	Immune system	PPT
5.	4/10/23	I m.sc Botany	mushroom cultivation	Edible mushroom	e-Padala
6.	9/10/23	I m.sc Botany	mushroom cultivation	Mushroom Research Centre	PPT
7.	11/10/23	I m.sc Botany	Herbal Technology	Plant Tissue Culture	e-Padala
8.	16/10/23	I m.sc Botany	Herbal Technology	Plant Propagation	PPT
9.	18/10/23	II m.Sc Botany	Plant Physiology and Bio chemistry	Passive and Active transport	e-Padala
10.	2/11/23	II m.sc Botany	Plant Physiology and Bio chemistry	Role of cell membrane	PPT
11.	3/11/23	II m.sc Botany	Plant Physiology and Bio chemistry	C4 Carbon cycle	PPT
12.	3/11/23	II m.sc Botany	Plant Physiology and Bio chemistry	TCA cycle	e-content

Signature of the Staff



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Department : Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. J. Mohammed Hussain

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	28/6/23	III B.Sc	Bio-fertilizer	Biofertilizer Production and Application	PPT
2.	10/7/23	III B.Sc	Biofertilizer	microbes used as Biofertilizer	PPT
3.	19/7/23	III B.Sc	Biofertilizer	Symbiotic Nitrogen Fixers	PPT
4.	14/8/23	III B.Sc Botany	Biofertilizer	Azotobacter	e-content
5.	23/8/23	II m.sc Botany	Genetics Plant Breeding and Horticulture	Laws of Inheritance	PPT
6.	01/9/23	II m.sc Botany	Genetics Plant Breeding and Horticulture	Griffith's Experimente-pada salai	
7.	04/9/23	II m.sc Botany	Genetics Plant Breeding and Horticulture	Replication of RNA Genome	PPT
8.	04/10/23	II m.sc Botany	Genetics Plant Breeding and Horticulture	Gene-Theraphy	PPT
9.	09/10/23	I m.Sc Botany	Plant Diversity-I Algae fungi, Lichen & Bryophytes	Life cycle and Reproduction of Algae	e-pada salai
10.	18/10/23	I m.sc Botany	Plant Diversity-I Algae, fungi, Lichen & Bryophytes	Heterothalms of fungi	PPT
11.	02/11/23	I m.Sc Botany	Plant Diversity-I Algae Fungi Lichen & Bryophytes	Classification of Bryophytes	e-content
12.	03/11/23	I m.sc Botany	Plant Diversity-I Algae, fungi Lichen & Bryophytes	Lichens	PPT

Signature of the Staff



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2.3.2 Details of ICT Enabled Teaching Resources

Department : Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. S. vinoth ponpandian

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	20/6/23	I B.Sc Botany	Basics of Botany	Five kingdom Classification	PPT
2.	21/7/23	II B.Sc Botany	Basics of Botany	Prokaryotic and Eukaryotic cells	e-Content
3.	9/8/23	I B.Sc Botany	Basics of Botany	Types of Inflorescence	PPT
4.	14/8/23	II B.Sc Botany	Anatomy and Embryology of Angiosperms	Korper-Kappe Theory	e-Content
5.	23/8/23	II B.Sc Botany	Anatomy and Embryology of Angiosperms	vascular tissue system	PPT
6.	25/8/23	II B.Sc Botany	Anatomy and Embryology of Angiosperms	Structure of Pollen	e-Content
7.	01/9/23	I M.Sc Botany	plant diversity-II	Gymetophyte types	PPT
8.	04/9/23	I M.Sc Botany	plant diversity-II	Phylogeny Classification	PPT
9.	09/09/23	I M.Sc Botany	Plant diversity-II	Geological Scale	e-Padasalai
10.	11/10/23	II M.Sc Botany	Plant Ecology and Conservation Biology	minerals Cycling	PPT
11.	16/10/23	II M.Sc Botany	Plant Ecology and Conservation Biology	global warming	PPT
12.	02/11/23	II M.Sc Botany	Plant Ecology and Conservation Biology	ICTCN Cred List categories)	Youtube

Signature of the Staff



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2.3.2 Details of ICT Enabled Teaching Resources

Department : Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. A. Krishnapriya

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	10/7/23	I B.Sc Botany	Plant Diversity - I	Fritsch classification	e-content
2.	19/7/23	I B.Sc Botany	Plant - Diversity - I	Sexual Reproduction of Algae	ppt
3.	21/7/23	I B.Sc Botany	Plant Diversity - I	Algae as food	PPT
4.	27/7/23	II B.Sc Botany	Allied zoology Theory - I	Plasmodium	PPT
5.	4/8/23	II B.Sc Botany	Allied zoology Theory - I	Nomenclature	e-Pada Salai
6.	9/8/23	II B.Sc Botany	Allied zoology Theory - I	Structure of kidney	ppt
7.	14/8/23	III B.Sc Botany	Plant Physiology Bio chemistry & Bio Physics	Concept of Entropy and Enthalpy	ppt
8.	23/8/23	III B.Sc Botany	Plant Physiology Bio chemistry and Bio Physics	Gibb's free energy	e-content
9.	30/8/23	III B.Sc Botany	plant physiology Bio Chemistry and Bio-Physics	Protein and Fatty acids	PPT
10.	3/10/23	IV M.Sc Botany	Herbal Recipes and Remedies	Herbalism & history	PPT
11.	1/11/23	IV M.Sc Botany	Herbal Recipes and Remedies	Herbal soup preparation	e-Pada Salai
12.	3/11/23	IV M.Sc Botany	Herbal Recipes and Remedies	Herbal variety Rice	ppt

A. Krishnapriya
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2.3.2 Details of ICT Enabled Teaching Resources

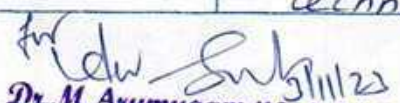
Department : Botany
 Name of the Staff : Mr. Pk. Siva

Academic Year : 2023 - 2024
 Semester : ☒ Odd / ☐ Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	9/8/23	III B.Sc Botany	Plant Physiology Bio chemistry and Bio Physics	Transpiration	PPT
2.	14/8/23	III B.Sc Botany	Plant Physiology Bio chemistry & Bio Physics	Ascent of sap	PPT
3.	23/8/23	III B.Sc Botany	Plant Physiology Bio chemistry & Bio Physics	C3 cycle	e-Pada Salai
4.	4/9/23	II M.Sc Botany	Plant Diversity - II	Equisetum Reproductive - ction	PPT
5.	7/9/23	II M.Sc Botany	Plant Diversity - II	Azolla cultivation	PPT
6.	9/10/23	II M.Sc Botany	mushroom cultivation	Cultivation of Paddy Straw mushroom	e-pada Salai
7.	10/10/23	II M.Sc Botany	mushroom cultivation	cultivation method of oyster mushroom	PPT
8.	16/10/23	II M.Sc Botany	Plant Biotechnology and green nano	Artificial plasmid	PPT
9.	18/10/23	II M.Sc Botany	Plant Biotechnology and green nano	Gene mapping	PPT
10.	1/11/23	II M.Sc Botany	Plant Biotechnology and green nano	molecular markers (RFLP - RAPD)	e-content
11.	2/11/23	II M.Sc Botany	Plant Biotechnology and green nano	T-DNA into Plants	PPT
12.	3/11/23	II M.Sc Botany	Plant Biotechnology and green nano	scope of Nano- technology	PPT


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2.3.2 Details of ICT Enabled Teaching Resources

Department : Botany
 Name of the Staff : Dr. M. Arumugam

Academic Year : 2023 - 2024
 Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	12/12/23	<u>III</u> B.Sc Botany	Plant Bio technology	Introduction of Plant Bio technology	PPT
2.	20/12/23	<u>III</u> B.Sc Botany	Plant Bio technology	Vectors and Application	PPT
3.	5/1/24	<u>III</u> B.Sc Botany	Plant Bio technology	Herbicide and Anti biotic Resistance	Youtube
4.	11/1/24	<u>III</u> B.Sc Botany	Plant Bio technology	Plant Genome Organization	e-Content
5.	29/1/24	<u>III</u> B.Sc Botany	Plant Bio technology	modern Bio technology	PPT
6.	12/2/24	<u>III</u> B.Sc Botany	Plant Bio technology	Exonucleases and Endonucleases	Youtube
7.	19/2/24	<u>III</u> B.Sc Botany	Plant Bio technology	Chloroplast Genome	PPT
8.	28/2/24	<u>III</u> B.Sc Botany	Plant Bio technology	mitochondria Genome	Youtube
9.	7/3/24	<u>III</u> B.Sc Botany	Plant Bio technology	Zinc Finger	PPT
10.	20/3/24	<u>III</u> B.Sc Botany	Plant Bio technology	Gene - Silencing	PPT
11.	22/3/24	<u>III</u> B.Sc Botany	Plant Bio technology	Flower Colour modulation - RNA	PPT
12.	25/3/24	<u>III</u> B.Sc Botany	Plant Bio technology	Application in modern Bio technology	E. padasala

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2.3.2 Details of ICT Enabled Teaching Resources

Department : Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. A. N. Sundar

Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	14/12/23	I B.Sc Botany	Botanical garden and Landscaping	Special type of gardens	PPT
2.	15/12/23	I B.Sc Botany	Botanical garden and Landscaping	Grasses and Cacti Succulent	PPT
3.	28/12/23	I B.Sc Botany	Botanical garden and Landscaping	Styles of garden formal and Informal	e-Content
4.	31/1/24	I B.Sc Botany	Botanical garden and Landscaping	modern gardens	PPT
5.	8/1/24	III B.Sc Botany	Ecology and Phyto geography	Biotechnology in types of Ecosystems	e-Content
6.	22/1/24	III B.Sc Botany	Ecology and Phyto geography	Environmental Pollution	PPT
7.	31/1/24	III B.Sc Botany	Ecology and Phyto geography	Forest Conservation Act	PPT
8.	1/2/24	III B.Sc Botany	Ecology and Phyto geography	Thermal Pollution	e-Content
9.	15/2/24	III B.Sc Botany	plant Breeding horticulture and landscape designing	model of Terrace garden	PPT
10.	21/2/24	I m.sc Botany	Research methodology and Computer Application	Gas Chromatography	PPT
11.	1/3/24	I m.sc Botany	Research methodology and Computer Application	SWISS Port	PPT
12.	18/3/24	I m.sc Botany	Research methodology and Computer Application	BLAST	PPT

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2.3.2 Details of ICT Enabled Teaching Resources

Department : Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. J. Mohammed Hussain

Semester : ~~Odd~~ Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	20/12/23	II B.Sc Botany	Morphology, Taxonomy of Angiosperm and Economic Botany	Root and stem modification	e-content
2.	28/12/23	II B.Sc Botany	Morphology, Taxonomy of Angiosperm and Economic Botany	Botanical Survey of India	ppt
3.	29/12/23	II B.Sc Botany	Morphology, Taxonomy of Angiosperm and Economic Botany	Family - Rutaceae Anacaceae	e-pada Salai
4.	3/1/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	Natural Classification	ppt
5.	22/1/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	ICBN	ppt
6.	24/1/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	Author Citation	ppt
7.	15/2/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	Rhamnaceae Vitaceae	e-pada- Salai
8.	16/2/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	Nyctaginaceae Verbeaceae	ppt
9.	7/3/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	Economic Importance of Serials	ppt
10.	18/3/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	Essential oils	ppt
11.	20/3/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	Pollution Control	ppt
12.	25/3/24	I m.sc Botany	Taxonomy of Angiosperm and Economic Botany	Energy Plantation	ppt


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Department : Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. S. Vinoth
Pon Pandian

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	14/12/23	I B.Sc Botany	Plant Diversity-II fungi, Bacteria virus, Plant Pathology Zichen	Classification of Fungi	PPT
2.	20/12/23	I B.Sc Botany	Plant Diversity-II fungi, Bacteria virus, Plant Pathology	Reproduction of Bacteria	PPT
3.	29/12/23	I B.Sc Botany	Plant Diversity-II fungi, Bacteria virus, Plant Pathology	Tobacco mosaic Virus	PPT
4.	8/1/24	III B.Sc Botany	Bio Instrumentation Bio statistics	Microscopy	C-Content
5.	22/1/24	III B.Sc Botany	Bio Instrumentation Bio statistics	TLC, HPLC	PPT
6.	31/1/24	III B.Sc Botany	Bio Instrumentation Bio statistics	X-ray crystallography	PPT
7.	2/2/24	I m.sc Botany	Nano-Biotechnology	Nano science	PPT
8.	15/2/24	I m.sc Botany	Nano-Biotechnology	Nano tubes	PPT
9.	21/2/24	I m.sc Botany	Nano-Biotechnology	mass-Spectrometry	PPT
10.	7/3/24	I m.sc Botany	Nano-Biotechnology	Surface method.	PPT
11.	20/3/24	I m.sc Botany	Nano-Biotechnology	Bio-Sensors	e-content
12.	25/3/24	I m.sc Botany	Nano-Biotechnology	Bio-chip	PPT

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Department : Botany

Academic Year : 2023 - 2024

Name of the Staff : Dr. A. Krishnapriya

Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	12/12/23	II B.Sc Botany	Plant Breeding Horticulture	scope of horticulture	C-Content
2.	29/12/23	II B.Sc Botany	Plant Breeding Horticulture	methods of Pruning	Youtube
3.	3/1/24	II B.Sc Botany	Plant Breeding Horticulture	cultivation of Commercial flowers	PPT
4.	5/1/24	II B.Sc Botany	Plant Breeding Horticulture	Landscaping	PPT
5.	29/1/24	II B.Sc Botany	Plant Breeding Horticulture	Nursery maintenance	PPT
6.	31/1/24	II m.sc Botany	Intellectual Property Rights	IPR	e-padasalai
7.	21/2/24	II m.sc Botany	Intellectual Property Rights	Elements of Patentability	e-content
8.	22/2/24	II m.sc Botany	Intellectual Property Rights	License of Copy Righting	PPT
9.	28/2/24	II m.sc Botany	Intellectual Property Rights	Concept of Trademarks	e-Pada-salai
10.	1/3/24	II m.sc Botany	Intellectual Property Rights	Geographical Indications	PPT
11.	7/3/24	II m.sc Botany	Intellectual Property Rights	Logos	PPT
12.	18/3/24	II m.sc Botany	Intellectual Property Rights	Remedies, Penalties	PPT

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2.3.2 Details of ICT Enabled Teaching Resources

Department : Botany
Name of the Staff : Mr. P.K. Siva

Academic Year : 2023 - 2024
Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	20/12/23	III B.Sc Botany	Organic Farming	Organic farming	e-Content
2.	28/12/23	III B.Sc Botany	Organic Farming	Soil Pollution	e-Content
3.	29/12/23	III B.Sc Botany	Organic Farming	Organic manure	e-pada, Salai
4.	5/1/24	III B.Sc Botany	Organic Farming	Azotobacter	PPT
5.	18/1/24	I m.sc Botany	Agriculture & Food Microbiology	Micro organisms in Agriculture	PPT
6.	24/1/24	I m.sc Botany	Agriculture & Food Microbiology	Bio fertilization	e-pada, Salai
7.	2/2/24	I m.sc Botany	Agriculture and Food Microbiology	Single cell Protein	PPT
8.	15/2/24	I m.sc Botany	Agriculture & Food Microbiology	Food Preservation	PPT
9.	19/2/24	I m.sc Botany	Agriculture & Food Microbiology	Physical Properties	PPT
10.	22/2/24	I m.sc Botany	Agriculture & Food Microbiology	food - Poisoning	e-pada, Salai
11.	18/3/24	I m.sc Botany	Agriculture & Food Microbiology	Food - Intoxication	ppt
12.	22/3/24	I m.sc Botany	Agriculture & Food Microbiology	Bio Control of Pests	e-Content


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