

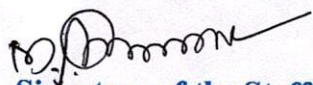
J.J. College of Arts and Science (Autonomous)
J.J. Nagar, Sivapuram Post, Pudukkottai

Details of ICT Enabled Teaching Resources


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

Academic Year : 2021 - 2022
Semester : III, IV, VI


Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	5-07-2021	III. B.Sc.	Cell biology and Molecular genetics	The cell	Youtube
2.	19-07-2021	III. B.Sc.	Cell biology and Molecular genetics	DNA	PPT
3.	03-08-2021	III. B.Sc.	Cell biology and Molecular genetics	Structure of Chromosome	PPT
4.	13-08-2021	III. B.Sc.	Cell biology and Molecular genetics	DNA Replication	Youtube
5.	25-08-2021	III. B.Sc.	Cell biology and Molecular genetics	Concept of evolution	PPT
6.	15-09-2021	II. M.Sc.	Research Methodology and Biostatistics	Methods of Research	PPT
7.	29-09-2021	II. M.Sc.	Research Methodology and Biostatistics	Intellectual Property Rights	PPT
8.	04-03-2022	III. B.Sc.	Plant Tissue Culture	Laboratory organization	PPT
9.	16-03-2022	III. B.Sc.	Plant Tissue Culture	Methods of sterilization	PPT
10.	11-04-2022	III. B.Sc.	Plant Tissue Culture	Secondary metabolites	PPT


Signature of the Staff

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Principal

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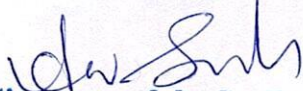
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Details of ICT Enabled Teaching Resources


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

Academic Year : 2021 - 2022
 Semester : II, V

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	01.07.2021	III. B.Sc.	Plant Physiology, Biochemistry & Biophysics	ATP- Bioenergetics	PPT
2.	09.07.2021	III. B.Sc.	Plant Physiology Biochemistry & Biophysics	Structure and Properties of Mono & Disaccharides	PPT
3.	05.08.2021	III. B.Sc.	Plant Physiology Biochemistry, Biophysics	Enzymes	PPT
4.	13.08.2021	III. B.Sc.	Plant Physiology Biochemistry & Biophysics	Plasmolysis	youtube
5.	28.08.2021	III. B.Sc.	Plant Physiology Biochemistry & Biophysics	Mechanism of CO ₂ Fixation in C ₃ , C ₄ and CAM plants	PPT
6.	24.02.2022	I. M.Sc.	Ethnobotany and Pharmacognosy	Scope of Ethnobotany	PPT
7.	18.03.2022	I. M.Sc.	Ethnobotany and Pharmacognosy	Indian System of Medicine	PPT
8.	24.03.2022	I. M.Sc.	Ethnobotany and Pharmacognosy	Siddha	PPT
9.	30.03.2022	I. M.Sc.	Ethnobotany and Pharmacognosy	History, Scope and Importance of Pharmacognosy	PPT


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Details of ICT Enabled Teaching Resources

Department : BOTANY

Academic Year : 2021 - 2022

Name of the Staff : Dr. P. RAJA

Semester : III & IV

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	2.9.2021	II. B.Sc.	Anatomy and Embryology of Angiosperms	Complex tissues	PPT
2.	15.9.2021	II. B.Sc.	Anatomy and Embryology of Angiosperms	Microsporogenesis - development of male gamete	PPT
3.	21.10.2021	II. B.Sc.	Anatomy and Embryology of Angiosperms	Megasporogenesis - development of female gamete	Youtube
4.	13.09.2021	I. M.Sc.	Plant Biotechnology	Haploid production	PPT
5.	27.10.2021	I. M.Sc.	Plant Biotechnology	Commercial production of secondary metabolites	Youtube
6.	23.02.2022	II. B.Sc.	Morphology, Taxonomy of Angiosperms and Economic Botany	Inflorescence Types	PPT
7.	01.03.2022	II. B.Sc.	Morphology, Taxonomy of Angiosperms and Economic Botany	Binomial Nomenclature	PPT
8.	18.04.2022	II. B.Sc.	Morphology, Taxonomy of Angiosperms and Economic Botany	Acanthaceae	Youtube
9.	28.02.2022	I. M.Sc.	Taxonomy of Angiosperms and Economic Botany	Botanical Nomenclature	PPT
10.	09/05/2022	I. M.Sc.	Taxonomy of Angiosperms and Economic Botany	Cyperaceae, Poaceae	PPT


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Department : Botany

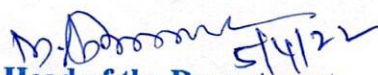
Academic Year : 2021 - 2022

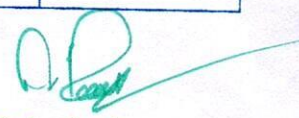
Name of the Staff : Mrs. K. Thamarachelvi

Semester : III, V,

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	10.07.21	II. B.Sc. Botany	Allied Zoology I	Peripatus	PPT
2.	07.08.21	II. B.Sc. Botany	Allied Zoology I	Nereis	PPT
3.	13.09.21	II. B.Sc. Botany	Allied zoology I	Archaeopteryx	PPT
4.	5.7.21	II. M.Sc. Botany	Plant Ecology, Conservation Biology, Phytogeography & Forestry	Types of Ecosystem	PPT
5.	10.8.21	II. M.Sc. Botany	Plant Ecology, Conservation Biology, Phytogeography & Forestry	Ecological Pyramids	PPT
6.	24.7.21	III. B.Sc. Botany	Vermitechnology	Earthworms	PPT
7.	28.2.22	II. B.Sc. Botany	Allied zoology II	Lampito-mauritii-Lifecycle	PPT
8.	16.3.22	II. B.Sc. Botany	Allied zoology II	Honey bees	PPT
9.	11.03.22	II. B.Sc. Botany	Ecology and Phytogeography	Food chain & Food web	PPT
10.	05.04.22	III. B.Sc. Botany	Ecology and Phytogeography	Nitrogen cycle	PPT


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Details of ICT Enabled Teaching Resources

Department : Botany Academic Year : 2021 - 2022
 Name of the Staff : Dr. J. Mohammed Hussain Semester : I, V, VI

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	14.9.22	I.M.Sc Botany	Plant Diversity I (Phycology, Lichenology & Bryology)	Algae - thallus organization	PPT
2.	23.9.22	I.M.Sc. Botany	Plant Diversity I (Phycology, Lichenology or Bryology)	Isolation and Culture of Algae	PPT
3.	30.9.22	I.M.Sc. Botany	Plant Diversity I (Phycology, Lichenology or Bryology)	Classification of Bryophytes	PPT
4.	2.9.22	III. B.Sc. Botany	Bio-fertilizer Production and Applications	Symbiotic N ₂ fixers	PPT
5.	21.9.22	III. B.Sc. Botany	Bio-fertilizer Production and Applications	Phosphate solubilization mechanism	PPT
6.	04.03.22	III. B.Sc. Botany	Organic Farming	Organic manures	PPT
7.	17.03.22	III. B.Sc. Botany	Organic Farming	Pest and Disease management	PPT
8.	26.03.22	II. M.Sc. Botany	Bio-Physics and Bio-instrumentation	Applications and principles of Chromatography	PPT
9.	31.04.22	II. M.Sc. Botany	Bio-Physics and Bio-instrumentation	Spectroscopy (Calorimeter, UV-vis)	PPT
10.	27.4.22	II. M.Sc. Botany	Bio-Physics and Bio-instrumentation	Electrophoresis	youtube


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Details of ICT Enabled Teaching Resources

Department : Botany Academic Year : 2021 - 2022
 Name of the Staff : Dr. S. Vinoth Ponpandian Semester : I, VI

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	27.10.2021	I. M.Sc. Botany	Plant Diversity - II (Pter., Gymnosperms & Palaeobotany)	Stelar evolution of Pteridophytes	PPT
2.	04.11.2021	I. M.Sc. Botany	Plant Diversity - II (Pter., Gymnosperms, & Palaeobotany)	Fossilization and Fossil types	PPT
3.	08.11.2021	I. M.Sc. Botany	Plant Diversity II (Pter., Gymnosperms & Palaeobotany)	Classification of Gymnosperms	PPT
4.	22.02.2022	III. B.Sc. Botany	Plant Biotechnology	Enzymes in rDNA technology	PPT
5.	11.03.2022	III. B.Sc. Botany	Plant Biotechnology	Vectors and their Applications	PPT
6.	25.03.2022	III. B.Sc. Botany	Plant Biotechnology	Gene silencing in Plants	PPT
7.	31.03.2022	III. B.Sc. Botany	Bioinstrumentation and Biostatistics	Principles of Chromatography	PPT
8.	08.04.2022	III. B.Sc. Botany	Bioinstrumentation and Biostatistics	Spectrophotometer	PPT
9.	27.04.2022	III. B.Sc. Botany	Bioinstrumentation and Biostatistics	Electron microscope (SEM, TEM)	PPT

S. Vinoth Ponpandian
 Signature of the Staff

M. Arumugam 27/4/22
 Head of the Department

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Details of ICT Enabled Teaching Resources

Department : Botany

Academic Year : 2021 - 2022


Name of the Staff : Dr. M. Sathish

Semester : I,

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	13.09.2021	I. B.Sc.	Algae, Fungi, Lichens Plant pathology of Bryophytes	Classification of Algae	PPT
2.	20.09.2021	I. B.Sc.	Algae, Fungi Lichens Plant Pathology of Bryophytes	Thallus organization	PPT
3.	24.09.2021	I. B.Sc.	Algae, Fungi, Lichens Plant pathology of Bryophytes	Lichens - Usnea	PPT
4.	05.10.2021	I. B.Sc.	Algae, Fungi, Lichens Plant pathology of Bryophytes	Plant diseases	PPT
5.	15.09.2021	I. M.Sc.	Microbiology and Plant Pathology	General account on Mycorrhiza	PPT
6.	07.10.2021	I. M.Sc.	Microbiology and Plant Pathology	Five kingdom Concept by Whittaker (1966)	PPT
7.	01.03.2022	I. B.Sc.	Pteridophytes, Gymnosperms and Paleobotany	Stelar Evolution	PPT
8.	15.03.2022	I. B.Sc.	Pteridophytes Gymnosperms and Paleobotany	Life cycle of Cycas, Pinus, Gnetum	PPT
9.	23.03.2022	II. B.Sc.	Mushroom Technology	Preparation of mother spawn	PPT
10	6.04.2022	II. B.Sc.	Mushroom technology	Harvesting method and Preservation of mushrooms	PPT


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