

**Assignment Titles for Third Semester- 2021-2023 Batch**

Roll No.	Name	Assignment Titles
2021023460001	Sabitha Valandina G	3.1. Classification of microorganisms 3.2. Origin and History ,Botanical description, Cultivation, Processing and uses of Medicinal Plants: Rauvolfia, Aconitum, Jatamansi, Sathavari 3.3. Upstream and downstream processes of algal cultivation - <i>Spirulina, Dunaliella, Hematococcus</i> and <i>Botryococcus</i> .
2021023460002	Karthika P	3.1. Nutrition, Growth and Reproduction of Bacteria 3.2. Origin and History, Botanical description, Cultivation, Processing and uses of Medicinal Plants: Goggul, Basil, Saraca and Neem. 3.3. Single cell protein – bioactive compounds, industrial enzymes, biofuel and other bioproducts from algae.
2021023460003	Jansi S R	3.1. Classification of viruses 3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Sun flower, Soya bean, Peanut. 3.3. Azolla – Mass cultivation of blue green algae in field -Importance and selection of carrier materials – Immobilization technique
2021023460004	Geetha P	3.1. Ultrastructure and Characteristics of Viruses 3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Palm Oil, Coconut and Gingelly. 3.3. Mass cultivation of macro algae: rope cultivation – culturing in the laboratory – Applications of seaweeds in biotechnology.
2021023460005	Karthika M	3.1. Microbial Products 3.2. Origin and History, Botanical description, Harvesting and uses of Fibers: Cotton, Jute, Sun hemp. 3.3. Pure Culture Techniques for Mushroom cultivation.
2021023460006	Renuga R	3.1. Replication and Transmission of Viruses 3.2. Origin and History, Botanical description, and uses of Timber: Teak, Rosewood, Ebony, Sal and Mahogany. 3.3. Mushroom Spawn preparation
2021023460007	Vinodhini S	3.1. Defense Mechanisms in Plants 3.2. Phytogeographic zones, Vegetation types of India and Tamilnadu 3.3. Genetics of algae – <i>nif</i> genes – strain improvement – transformation – protoplast fusion technique for macroalgae.
2021023460008	Mary Shylaja S	3.1. Control measures of plant diseases 3.2. Biodiversity act of India 2002 and 2004 3.3. Preparation of compost and cultivation of white button mushroom, paddy straw mushroom and oyster mushroom.
2021023460009	Ilakkiaselvi K	3.1. Etiology , Epidemics and Disease forecasting 3.2. Different types of intellectual property rights (IPR) - Patents, Trade mark, Trade secret and Copy right. 3.3. Factors affecting mushroom cultivation - Insects and pest attacking mushroom – fungal, bacterial, viral diseases.
2021023460010	Nithya J	3.1. Plant diseases – Late blight of potato, Leaf spot diseases of groundnut, Anthracnose of mango. 3.2. Wildlife Sanctuaries, National parks and Biosphere Reserves, Hotspot biodiversity areas in India 3.3. Seaweed liquid fertilizers preparation and their potential in agriculture and horticulture.

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2021023460011	Muthusamy S	<p>3.1. Classification of microorganisms</p> <p>3.2. Origin and History ,Botanical description, Cultivation, Processing and uses of Medicinal Plants: Rauvolfia, Aconitum, Jatamansi, Sathavari</p> <p>3.3. Upstream and downstream processes of algal cultivation - <i>Spirulina, Dunaliella, Hematococcus</i>and<i>Botryococcus</i>.</p>
2021023460012	Sumathi T	<p>3.1. Plant diseases- Tobacco mosaic virus, Bunchy top of banana, Blast and sheath blight of paddy.</p> <p>3.2. Population biology- Basic concepts –Gause’s principle, survivorship curves – self- regulating mechanisms.</p> <p>3.3. Types of edible mushroom available in India – Medicinal and other uses</p>
2021023460013	Devika B	<p>3.1. Classification of microorganisms</p> <p>3.2. Origin and History ,Botanical description, Cultivation, Processing and uses of Medicinal Plants: Rauvolfia, Aconitum, Jatamansi, Sathavari</p> <p>3.3. Upstream and downstream processes of algal cultivation - <i>Spirulina, Dunaliella, Hematococcus</i>and<i>Botryococcus</i>.</p>
2021023460014	Uma K	<p>3.1. Classification of viruses</p> <p>3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Sun flower, Soya bean, Peanut.</p> <p>3.3. Azolla – Mass cultivation of blue green algae in field -Importance and selection of carrier materials – Immobilization technique</p>
2021023460015	Gracy S	<p>3.1. Ultrastructure and Characteristics of Viruses</p> <p>3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Palm Oil, Coconut and Gingelly.</p> <p>3.3. Mass cultivation of macro algae: rope cultivation – culturing in the laboratory – Applications of seaweeds in biotechnology.</p>
2021023460016	Nancy Mary P	<p>3.1. Microbial Products</p> <p>3.2. Origin and History, Botanical description, Harvesting and uses of Fibers: Cotton, Jute, Sun hemp.</p> <p>3.3. Pure Culture Techniques for Mushroom cultivation.</p>
2021023460017	Kudiyarasi	<p>3.1. Classification of microorganisms</p> <p>3.2. Origin and History ,Botanical description, Cultivation, Processing and uses of Medicinal Plants: Rauvolfia, Aconitum, Jatamansi, Sathavari</p> <p>3.3. Upstream and downstream processes of algal cultivation - <i>Spirulina, Dunaliella, Hematococcus</i>and<i>Botryococcus</i>.</p>
2021023460018	Raju N	<p>3.1. Nutrition, Growth and Reproduction of Bacteria</p> <p>3.2. Origin and History, Botanical description, Cultivation, Processing and uses of Medicinal Plants: Guggul, Basil, Saraca and Neem.</p> <p>3.3. Single cell protein – bioactive compounds, industrial enzymes, biofuel and other bioproducts from algae.</p>
2021023460019	Hepsiba Celestina J	<p>3.1. Classification of viruses</p> <p>3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Sun flower, Soya bean, Peanut.</p> <p>3.3. Azolla – Mass cultivation of blue green algae in field -Importance and selection of carrier materials – Immobilization technique</p>

### Assignment Titles for Third Semester- 2021-2023 Batch

2021023460020	Surya Praba D	3.1. Ultrastructure and Characteristics of Viruses 3.2. Origin and History, Botanical description, Harvesting, Extraction and uses of Fatty oils and Vegetable Fats: Palm Oil, Coconut and Gingelly. 3.3. Mass cultivation of macro algae: rope cultivation – culturing in the laboratory – Applications of seaweeds in biotechnology.
2021023460021	Thangammal R	3.1. Microbial Products 3.2. Origin and History, Botanical description, Harvesting and uses of Fibers: Cotton, Jute, Sun hemp. 3.3. Pure Culture Techniques for Mushroom cultivation.
2021023460022	Praveena D	3.1. Replication and Transmission of Viruses 3.2. Origin and History, Botanical description, and uses of Timber: Teak, Rosewood, Ebony, Sal and Mahogany. 3.3. Mushroom Spawn preparation
2021023460023	Navaneetham A	3.1. Defense Mechanisms in Plants 3.2. Phytogeographic zones, Vegetation types of India and Tamilnadu 3.3. Genetics of algae – <i>nif</i> genes – strain improvement – transformation – protoplast fusion technique for macroalgae.
2021023460024	Sudhakaran G.K.	3.1. Control measures of plant diseases 3.2. Biodiversity act of India 2002 and 2004 3.3. Preparation of compost and cultivation of white button mushroom, paddy straw mushroom and oyster mushroom.

**Last Date for Submission of Assignments: 14<sup>th</sup> October, 2022 10:00 a.m.**

**Hard Copies of the Assignments should reach the following address on or before the Last Date mentioned above:**

**Dr. M. JOTHI BASU**  
**Programme Coordinator- M. Sc., Botany**  
**Assistant Professor in Botany**  
**Directorate of Distance Education**  
**Alagappa University**  
**Karaikudi- 630 003**