

**J.J. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**  
SIVAPURAM POST, PUDUKKOTTAI-622 422

**DETAILS OF ICT ENABLED TEACHING RESOURCES**

Department: <u>Biochemistry</u>	Academic Year: <u>2021-2022</u>
Name of the Staff: <u>Ms. Raghavi. V</u>	Semester: <u>odd</u>

S.No.	Programme	Course	Date and Topic	Type of Tool(s) used
1	III B.Sc	Molecular Biology	1/9/2021 cell and cell cycle	PPT
2	III B.Sc	Molecular Biology	3/9/2021 mitosis & meiosis	PPT
3	III B.Sc	Molecular Biology	6/9/2021 Post translation	PPT
4	III B.Sc	Endocrinology	14/9/2021 Hypothalamus	PPT
5	III B.Sc	Endocrinology	16/9/2021 pituitary	PPT
6	III B.Sc	Endocrinology	18/9/2021 ovarian cycle	PPT
7	III B.Sc	Endocrinology	1/10/2021 Postglandular	PPT
8	II M.Sc	Molecular Biology	6/10/2021 Replication	PPT
9	II M.Sc	Molecular Biology	10/10/2021 translocation	PPT
10	II M.Sc	Molecular Biology	17/10/2021 trp & lac operon	PPT

Ms. Raghavi. V  
Signature of the Staff

Head of the Department

G. D. S.  
Principal

Mrs. S. KANITHA, M.Sc., M. Phil., Assistant Professor & Head  
DEPT. OF BIO-CHEMISTRY  
J.J. COLLEGE OF ARTS & SCIENCE  
PUDUKKOTTAI

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,  
M.Phil., B.Ed., Ph.D.,  
PRINCIPAL  
J.J. College of Arts and Science  
(Autonomous)  
J.J. Nagar, Sivapuram Post,  
PUDUKKOTTAI - 622 422.



**J.J. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**  
SIVAPURAM POST, PUDUKKOTTAI-622 422

**DETAILS OF ICT ENABLED TEACHING RESOURCES**

Department: <b>BIOCHEMISTRY</b>	Academic Year: <b>2021-2022</b>
Name of the Staff: <b>Dr. S. KANITHA</b>	Semester: <b>02D</b>

S.No.	Programme	Course	Date and Topic	Type of Tool(s) used
01.	iii B.Sc	Metabolism	17/9/21 Methionine metabolism	PPT
02.	iii B.Sc	Metabolism	31/9/21 β-oxidation	PPT
03.	iii B.Sc	Metabolism	4/10/21 Purine nucleotide metabolism	PPT
04.	iii B.Sc	Metabolism	6/10/21 Purine nucleotide metabolism	PPT
05.	iii B.Sc	Metabolism	14/10/21 Integration of metabolism	PPT
06.	iii B.Sc	Metabolism	16/10/21 Integration of metabolism	PPT
07.	iii B.Sc	Metabolism	18/10/21 Glyoxalate cycle	PPT
08.	iii B.Sc	Metabolism	25/10/21 Cholesterol Biosynthesis	PPT
09.	iii B.Sc	Metabolism	07/11/21 Glycogenesis	PPT
10.	iii B.Sc	Metabolism	26/11/21 Gluconeogenesis	PPT
11.	iii B.Sc	Metabolism	30/11/21 HMP shunt	PPT
12.	iii B.Sc	Metabolism	2/12/21 Fatty acid	PPT

*[Signature]*

Signature of the Staff

*[Signature]*

Head of the Department

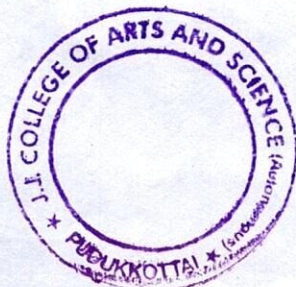
*[Signature]*

Principal

**Mrs. S. KANITHA, M.Sc., M. Phil.,**  
Assistant Professor & Head  
DEPT. OF BIO-CHEMISTRY  
J.J. COLLEGE OF ARTS & SCIENCE  
PUDUKKOTTAI

**Mrs. S. KANITHA, M.Sc., M. Phil.,**  
Assistant Professor & Head  
DEPT. OF BIO-CHEMISTRY  
J.J. COLLEGE OF ARTS & SCIENCE  
PUDUKKOTTAI

**Dr. J. PARASURAMAN, M.A., M.B.A., M.C.,**  
M.Phil., B.Ed., Ph.D.  
**PRINCIPAL**  
J.J. College of Arts and Science  
(Autonomous)  
J.J. Nagar, Sivapuram Post,  
PUDUKKOTTAI - 622 422.



**J.J. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**  
SIVAPURAM POST, PUDUKKOTTAI-622 422

**DETAILS OF ICT ENABLED TEACHING RESOURCES**

Department: <b>BIOCHEMISTRY</b>	Academic Year: <b>2021-2022</b>
Name of the Staff: <b>Dr. C. ARUNMATHI</b>	Semester: <b>ODD</b>

S.No.	Programme	Course	Date and Topic	Type of Tool(s) used
1.	II M.Sc	Immunology	02.09.21 / MHC Complex	PPT
2.	II M.Sc	clinical Biochemistry	6.9.21 / Lipid Storage disorders.	PPT
3.	II M.Sc	clinical Biochemistry	9.9.21 / Cancer Types, Tumor markers.	PPT
4.	II M.Sc	Immunology	20.9.21 / Organ Transplantation.	PPT
5.	II M.Sc	Immunology	27.9.21 / Hypersensitivity	PPT
6.	II M.Sc	Clinical Biochemistry	4.10.21 / Free Radicals.	PPT
7.	II B.Sc	Enzymology	4.9.21 / classification of Enzymes	PPT
8.	II B.Sc	Enzymology	14.9.21 / Enzyme Isolation	PPT
9.	II B.Sc	Enzymology	26.9.21 / Mechanism of Enzymes	PPT
10.	II B.Sc	Enzymology	7.10.21 / Immobilization of Enzymes.	PPT
11.	II B.Sc	Enzymology	13.10.21 / Diagnostic applications of Enzymes	PPT
12.	II B.Sc	Enzymology	18.10.21 / Biotech & Bio sensors.	PPT

*Arumathi*  
Signature of the Staff

*Arumathi*  
Head of the Department

*S. Kanitha*  
Principal

**Mrs. S. KANITHA, M.Sc., M.Phil.,**  
Assistant Professor & Head  
DEPT. OF BIO-CHEMISTRY  
J.J. COLLEGE OF ARTS & SCIENCE  
PUDUKKOTTAI

**Dr. J. PARASURAMAN, M.A., M.B.A., M.C.**  
M.Phil., B.Ed., Ph.D.  
PRINCIPAL  
J.J. College of Arts and Science  
(Autonomous)  
J.J. Nagar, Sivapuram Post,  
PUDUKKOTTAI - 622 422.

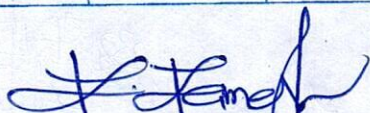


**J.J. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**  
SIVAPURAM POST, PUDUKKOTTAI-622 422

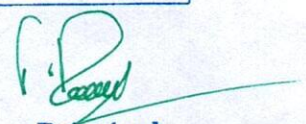
**DETAILS OF ICT ENABLED TEACHING RESOURCES**

Department: <b>BIOCHEMISTRY</b>	Academic Year: <b>2021-2022</b>
Name of the Staff: <b>DR. R. RAMESH</b>	Semester: <b>ODD</b>

S.No.	Programme	Course	Date and Topic	Type of Tool(s) used
01.	III B.Sc	Human Physiology	01/09/2021 Digestive System	PPT
02.	III B.Sc	Human Physiology	03/09/2021 Digestion - Biochemistry	PPT
03.	III B.Sc	Human Physiology	04/09/21 Respiration	PPT
04.	III B.Sc	Human Physiology	05/09/21 Mechanism of Respiratory system	PPT
05.	III B.Sc	Human Physiology	14/09/21 Respiratory diseases	PPT
06.	III B.Sc	Human Physiology	16/09/21 Human - Heart structure	PPT
07.	III B.Sc	Human Physiology	18/09/21 Cardiac cycle	PPT
08.	III B.Sc	Human Physiology	07/10/2021 Blood Pressure measurement	PPT
09.	III B.Sc	Human Physiology	08/10/2021 Structure of kidney	PPT
10.	III B.Sc	Human Physiology	30/10/2021 Mechanism of Urine formation.	PPT

  
Signature of the Staff

  
Head of the Department

  
Principal

Mrs. S. KANITHA, M.Sc., M.Phil.,  
Assistant Professor & Head  
DEPT. OF BIO-CHEMISTRY  
J.J. COLLEGE OF ARTS & SCIENCE  
PUDUKKOTTAI

J.J. PARASURAMAN, M.A., M.B.A., M.C.A.,  
M.Phil., B.Ed., Ph.D.,  
PRINCIPAL  
J.J. College of Arts and Science  
(Autonomous)  
J.J. Nagar, Sivapuram Post,  
PUDUKKOTTAI - 622 422.



**J.J. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**  
SIVAPURAM POST, PUDUKKOTTAI-622 422

**DETAILS OF ICT ENABLED TEACHING RESOURCES**

<b>Department:</b> BIOCHEMISTRY	<b>Academic Year:</b> 2021
<b>Name of the Staff:</b> DR. A. BASKARA BOOPATHY	<b>Semester:</b> ODD

S.No.	Programme	Course	Date and Topic	Type of Tool(s) used
1.	I-M.Sc.,	ANALYTICAL BIOCHEMISTRY	27.10.2021 PAPER CHROMATOGRAPHY AFFINITY CHROMATOGRAPHY	PPT
2.	I-M.Sc.,	ANALYTICAL BIOCHEMISTRY	29.10.2021 HPLC - principle, Techniques & Applications.	PPT
3.	I-M.Sc.,	ANALYTICAL BIOCHEMISTRY	30.10.2021 GCMS & ITS APPLICATIONS.	PPT
4.	I-M.Sc.,	ANALYTICAL BIOCHEMISTRY	02.11.2021 Centrifugation & Types.	PPT
5.	I-M.Sc.,	ANALYTICAL BIOCHEMISTRY	08.11.2021 Analytical Centrifugation	PPT
6.	I-M.Sc.,	ANALYTICAL BIOCHEMISTRY	11.11.2021 Differential centrifugation	PPT
7.	I-M.Sc.,	ANALYTICAL BIOCHEMISTRY	13.11.2021 Density / Ultra centrifugation.	PPT
8.	I-B.Sc.,	BIOMOLECULES	16.11.2021 Carbohydrates - Classification.	PPT
9.	I-B.Sc.,	BIO - MOLECULES.	19.11.2021 Monosaccharides, & oligo saccharides.	PPT
10.	I-B.Sc.,	BIO - MOLECULES.	20.11.2021 Polysaccharides. & Types.	PPT
11.	I-B.Sc.,	BIO - MOLECULES.	24.11.2021 Vitamins & Classification.	PPT
12.	I-M.Sc.,	BIOMOLECULE	25.11.2021 Carbohydrates & Classification.	PPT

*[Signature]*  
Signature of the Staff

*[Signature]*  
Head of the Department

*[Signature]*  
Principal

**Mrs. S. KANITHA, M.Sc., M. Phil.,**  
Assistant Professor & Head  
DEPT. OF BIO-CHEMISTRY  
J.J. COLLEGE OF ARTS & SCIENCE  
PUDUKKOTTAI

**J.J. PARASURAMAN, M.A., M.B.A., M. Phil., B.Ed.**  
PRINCIPAL  
J.J. College of Arts and Science  
(Autonomous)  
J.J. Nagar, Sivapuram Post,  
PUDUKKOTTAI - 622 422.



**J.J. COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**  
SIVAPURAM POST, PUDUKKOTTAI-622 422

**DETAILS OF ICT ENABLED TEACHING RESOURCES**

Department: <b>BIOCHEMISTRY</b>	Academic Year: <b>2021-2022</b>
Name of the Staff: <b>P. PALANIAPPAN</b>	Semester: <b>-ODD-</b>

S.No.	Programme	Course	Date and Topic	Type of Tool(s) used
1	IV BSc	Plant Biochemistry	4/11/2021 Discovery of plant cell	PPT
2	IV BSc	Plant Biochemistry	9/11/2021 plant - cell organelles	PPT
3	IV BSc	plant Biochemistry	18/11/2021 photo synthesis	PPT
4	IV BSc	plant Biochemistry	23/11/2021 Nitrogen metabolism	PPT
5	IV BSc	plant Biochemistry	1/2/21 plant hormones	PPT
6	IV BSc	plant Biochemistry	16/2/21 Secondary metabolites	PPT
7	IV BSc	plant Biochemistry	24/2/21 Alkaloids	PPT
8	IV BSc	plant Biochemistry	3/3/2021 Seed germination	PPT
9	IV BSc	plant Biochemistry	5/3/2021 Photo - Biology	PPT
10	IV BSc	plant Biochemistry	13/3/2021 photo respiration	PPT
11	IV BSc	plant Biochemistry	16/3/2021 plant hormone ethylene	PPT

Signature of the Staff

Head of the Department

Principal

**Mrs. S. KANITHA, M.Sc., M.Phil.**  
 Assistant Professor & Head  
 DEPT. OF BIO-CHEMISTRY  
**J.J. COLLEGE OF ARTS & SCIENCE PUDUKKOTTAI**

**Dr. J. PARASURAMAN, M.A., M.B.A., M.C., M.Phil., B.Ed., Ph.D.**  
**PRINCIPAL**  
**J.J. College of Arts and Science (Autonomous)**  
**J.J. Nagar, Sivapuram Post, PUDUKKOTTAI - 622 422.**



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

**Details of ICT Enabled Teaching Resources**

**Department** : BIOCHEMISTRY  
**Name of the Staff** : DR. R. RAMESH

**Academic Year** : 2021 - 2022  
**Semester** : Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	22/02/22	II - B.Sc	Fundamentals of Biology - III	Taxonomic System	PPT
2.	24/02/22	II - B.Sc	Fundamentals of Biology - III	Animal Groups	PPT
3.	04/3/22	II - B.Sc	Fundamentals of Biology - III	Characteristics of plants	Youtube
4.	24/3/22	II - B.Sc	Fundamentals of Biology - III	Mendel's laws	PPT
5.	18/4/22	II - B.Sc	Fundamentals of Biology - III	Mutation types and mutagens	PPT.
6.	05/05/22	II - B.Sc	Fundamentals of Biology - III	Biopesticides and its importance	Youtube
7.	25/2/22	III - B.Sc	Biophysics	Acid and Base	PPT
8.	01/03/22	III - B.Sc	Biophysics	Properties of colloids	PPT.
9.	06/4/22	III - B.Sc	Biophysics	Chemical Composition of Biomembrane	Youtube
10.	14/4/22	III - B.Sc	Biophysics	Gaseous Exchange in lungs	PPT.
11.	06/5/22	III - B.Sc	Biophysics	Acid formation in stomach	Youtube
12.	13/5/22	III - B.Sc	Biophysics	Formation of stones in kidney	PPT.

*[Signature]*  
 Signature of the Staff



*[Signature]*  
 Head of the Department

Mrs. S. KANITHA, M.Sc., M. Phil.,  
 Assistant Professor & Head  
 DEPT. OF BIO-CHEMISTRY  
 J.J. COLLEGE OF ARTS & SCIENCE  
 PUDUKKOTTAI

*[Signature]*  
 Principal

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.  
 M. Phil., B. Ed., Ph. D.  
 PRINCIPAL  
 J.J. College of Arts and Science  
 (Autonomous)  
 J.J. Nagar, Sivapuram Post,  
 PUDUKKOTTAI - 622 400



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

**Details of ICT Enabled Teaching Resources**

Department : **BIOCHEMISTRY** Academic Year : 2021 - 2022  
 Name of the Staff : **Dr. A. S. VIJAYAKUMAR** Semester : **Even**

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	13.12.2021	I MSc	MICROBIOLOGY	EFFECT OF TEMPERATURE, pH	PPT/ ICT
2.	17.12.2021	I MSc	MICROBIOLOGY	Viral Diseases	Youtube/ ICT
3.	25.02.2022	I M.Sc	Enzyme Technology	Catalysis	PPT/ ICT
4.	16.03.2022	I. MSc	Enzyme Technology	Electrostatic Catalysis	e-PG Pafshala/ PCT
5.	18.03.2022	I. M.Sc	Enzyme Technology	Enzyme Catalysis	e-PG pafshala /ICT
6.	21.03.2022	I. MSc	Enzyme Technology	Mode of action of lysozyme	PPT/ ICT
7.	24.03.2022	I MSc	Enzyme Technology	Chymotrypsin	Youtube/ ICT
8.	25.03.2022	I. M.Sc	Enzyme Technology	Metal ions.	e-PG pafshala ICT
9.	26.03.2022	I MSc	Enzyme Technology	Role of Metalloenzyme.	e-PG pafshala ICT
10.	28.03.2022	I. MSc	Enzyme Technology	Enzyme Application	PPT/ ICT
11.	01/04/2022	I. MSc	Enzyme Technology	Carboxypeptidase	Youtube
12.	04/04/2022	I MSc	Enzyme Technology	Carbonic anhydrase	Youtube

*[Signature]*  
 Signature of the Staff



*[Signature]*  
 Head of the Department  
 Mrs. S. KANITHA, M.Sc., M. Phil.,  
 Assistant Professor & Head  
 DEPT. OF BIO-CHEMISTRY  
 J.J. COLLEGE OF ARTS & SCIENCE  
 PUDUKKOTTAI

*[Signature]*  
 Principal  
 Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.  
 M.Phil., B.Ed., Ph.D.  
**PRINCIPAL**  
 J.J. College of Arts and Science  
 (Autonomous)  
 J.J. Nagar, Sivapuram Post,  
 PUDUKKOTTAI - 622 422

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

**Details of ICT Enabled Teaching Resources**

Department : Biochemistry  
 Name of the Staff : Raghavi. V

Academic Year : 2021 - 2022  
 Semester : EVEN

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	21/2/22	IM.Sc.	Plant Biochemistry	Plant cell.	ppt.
2	23/2/22	IM.Sc.	Plant Biochemistry	Cell Organelles.	you tube
3	28/2/22	IM.Sc.	Plant Biochemistry	Cross section of chloroplast based	e PG Pathshala
4	2/3/22	IM.Sc.	Plant Biochemistry	Carotenoid Pigment	e PG Pathshala
5	4/3/22	IM.Sc.	Plant Biochemistry	Photosynthesis	PPT
6	11/3/22	IM.Sc.	Plant Biochemistry	C <sub>3</sub> cycle.	You tube.
7	22/2/22	III B.Sc	Plant Biochemistry & Therapeutic	Chloroplasts	e PG Pathshala
8	25/2/22	III B.Sc	Plant Biochemistry	C <sub>4</sub> cycle	you tube.
9	18/3/22	III B.Sc	Plant Biochemistry	Phycobillin Pigment	PPT.
10	21/3/22	III B.Sc	Plant Biochemistry	calvin cycle	you tube.
11	22/3/22	III B.Sc	Plant Biochemistry	CAM	e PG Pathshala
12	24/3/22	III B.Sc	Plant Biochemistry	cytokinin	you tube.

*Raghavi. V*  
 Signature of the Staff



*Nithya*  
 03/10/22  
 Head of the Department

Mrs. S. KANITHA, M.Sc., M. Phil.,  
 Assistant Professor & Head  
 DEPT. OF BIO-CHEMISTRY  
 COLLEGE OF ARTS & SCIENCE  
 PUDUKKOTTAI

*P. Parasuraman*  
 03/10/22  
 Principal

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.  
 M.Phil., B.Ed., Ph.D.  
 PRINCIPAL  
 J.J. College of Arts and Science  
 (Autonomous)  
 J.J. Nagar, Sivapuram Post,  
 PUDUKKOTTAI - 622 422.

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

**Details of ICT Enabled Teaching Resources**

Department : Biochemistry

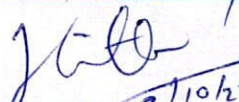
Academic Year : 2021 - 2022

Name of the Staff : P. PALANIAPPAN

Semester : EVEN

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	22/02/22	I MSC	Biopharmaceuticals	Sources of drugs	PPT
2	2/3/22	I MSC	Biopharmaceuticals	Pharmacokinetics	Youtube
3	10/03/22	I MSC	Biopharmaceuticals	Biotransformation	PPT
4	14/3/22	I MSC	Biopharmaceuticals	Pharmacodynamics	Youtube
5	23/3/22	I MSC	Biopharmaceuticals	Mechanisms of action TB	PPT
6	7/4/22	I MSC	Biopharmaceutical	peptic Ulcer	PPT
7	28/02/22	III BSc	Microbiology	History of microbiology	Youtube
8	4/3/22	III BSc	Microbiology	Theory of Biogenesis	PPT
9	17/3/22	III BSc	Microbiology	Types of microscopes	Youtube
10	25/03/22	III BSc	Microbiology	Structure of Bacterial cell	PPT
11	8/4/22	III BSc	Microbiology	Cyanobacteria	Youtube
12	11/4/22	III BSc	Microbiology	Myxobacteria	PPT

  
 Signature of the Staff

  
 Head of the Department

  
 Principal



Mrs. S. KANITHA, M.Sc., M.Phil.,  
 Assistant Professor & Head  
 DEPT. OF BIO-CHEMISTRY  
 J.J. COLLEGE OF ARTS & SCIENCE  
 PUDUKKOTTAI

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.  
 M.Phil., B.Ed., Ph.D.  
 PRINCIPAL  
 J.J. College of Arts and Science  
 (Autonomous)  
 J.J. Nagar, Sivapuram Post,  
 PUDUKKOTTAI - 622 422