

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

Details of ICT Enabled Teaching Resources

Department : Chemistry Academic Year : 2022 - 2023
Name of the Staff : Dr. C. Muthukumar Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	01.7.2022	III BSc	Basic Concepts In Biochemistry	Carbohydrates - Monosaccharide	PPT
02	8.7.2022	III BSc	"	Classification of Carbohydrate	PPT
03	12.7.22	III BSc	"	Glucose	YouTube
04	18.7.22	III BSc	"	Mutarotation	YouTube
05	27.07.22	III BSc	"	Starch	PPT
06.	01.08.22	II MSc	Inorganic Chemistry	Hemoglobin and Myoglobin	PPT
07	17.08.22	II MSc	"	Photosynthesis	YouTube
08	09.09.22	II MSc	"	Chemotherapy	YouTube



Signature of the Staff

Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
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Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.Ed.,
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Details of ICT Enabled Teaching Resources

Department : Chemistry

Academic Year : 2022 - 2023

Name of the Staff : Dr. C. Muthukumar

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	14.12.22	III BSc	Organic Chemistry	S_N2 mechanism	YouTube
02.	19.12.22	II MSc	Instrumental methods of Analysis	TLC and column chromatography	YouTube
03	23.12.23	IV MSc	"	HPTLC	"
04.	29.12.23	IV MSc	"	Uses of GC-MS	PPT
05	28.12.22	III BSc	Organic Chemistry	Chromophore & auxochrome	YouTube
06	03.1.23	III BSc	"	Preparation and uses of nitro compounds	PPT
07	19.01.23	III BSc	"	Nitrobenzene Type I & II	YouTube
08	07.02.23	IV BSc	"	Halo benzenes	PPT
09	24.02.23	IV BSc	"	Organo halogen Compounds	PPT



Signature of the Staff

Head of the Department

Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,

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Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A., M.Phil., B.Ed., Ph.D.,

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Details of ICT Enabled Teaching Resources

Department : CHEMISTRY

Academic Year : 2022 - 2023

Name of the Staff : DR. R. SIVAKUMAR.

Semester : Odd / ~~Even~~

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	16.8.22	I BSc chemistry	General chemistry-I	chemical bonding	Power Point
02.	30.8.22	I BSc	General chemistry-I	Lattice Energy	PPT
03.	6.9.22	I BSc chemistry	General chemistry-I Hydrogen Bonding	H-bonding	PPT
04.	14.9.22	I BSc chemistry	General chemistry-I	VSEPR Theory	PPT
05.	22.9.22	I BSc chemistry	General chemistry-I	VB Theory	PPT.
06.	29.9.22	I BSc chemistry	General chemistry-I	periodic properties	PPT
07.	18.7.22	III BSc chemistry	Inorganic chemistry	Isomerism	PPT
08.	8.10.22	III BSc chemistry	Inorganic chemistry	Metal carbonyl	PPT



R. Sivakumar
Signature of the Staff

R. Sivakumar
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Dej. Parasuram
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Details of ICT Enabled Teaching Resources

Department : CHEMISTRY

Academic Year : 2022 - 2023

Name of the Staff : DR. R. SIVAKUMAR

Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	14.12.22	I BSc chemistry	General Chemistry -III	Boron Family	ppt
02	16.12.22	I BSc chemistry	General Chemistry -III	Boric Acid	Ppt
03.	26.12.22	I BSc chemistry	General Chemistry -III	Diborane	Ppt
04.	13.1.23	I BSc chemistry	General Chemistry -III	Extraction of Al	ppt
05.	16.12.22	I msc chemistry	Reaction mechanism Rearrangements Reagents	wagner meerwin Rearrangements	Ppt
06.	5.1.23	I msc chemistry	Reaction, mechanism Rearrangements Reagents	Benilic Acid Rearrangements	Ppt
07.	2.2.23	I msc chemistry	Reaction mechanism Rearrangements Reagents	Lead Tetra Acetate	Ppt



R Sivakumar
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Details of ICT Enabled Teaching Resources

Department : Chemistry
Name of the Staff : S. KALAIVANI

Academic Year : 2022 - 2023
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	8.7.22	III B.Sc Chemistry	Agriculture chemistry	Composition of Soil	PPT
2.	8.8.22	III B.Sc Chemistry	Agriculture chemistry	Reclamation of Acid & Salt Soil	Youtube
3.	26.8.22	III B.Sc Chemistry	Agriculture chemistry	Role of NPK Fertilizer	EPG Pathshala org. chemistry
4.	7.10.22	III B.Sc Chemistry	Agriculture chemistry	pesticides - classification	PPT
5.	1.9.22	I M.Sc Chemistry	Bio-organic chemistry	Introduction to Amino acid	Youtube
6.	12.9.22	I. M.Sc Chemistry	Bio-organic chemistry	properties of amino acids	PPT
7.	19.9.22	I. M.Sc Chemistry	Bio-organic chemistry	Proteins - Introduction	EPG Pathshala org. chem
8.	7.10.22	I. M.Sc Chemistry	Bio-organic chemistry	Enzymes - Introduction	PPT
9.	13.7.22	II. M.Sc Chemistry	Natural product chemistry	Effects of alkaloids on humans	EPG Pathshala org. chemistry
10.	28.7.22	II. M.Sc Chemistry	Natural product chemistry	Alkali fusion	PPT
11.	8.8.22	II. M.Sc Chemistry	Natural product chemistry	Terpenoids - Introduction	PPT
12.	12.9.22	II. M.Sc Chemistry	Natural product chemistry	Biosynthesis of Steroids	Youtube

S. Kalavani
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Details of ICT Enabled Teaching Resources

Department : Chemistry
Name of the Staff : S. KALAIYAN

Academic Year : 2022 - 2023
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	13.12.22	III B.Sc Chemistry	Physical Chemistry-II	Lambert-Beer's law	Youtube
2.	2.1.23	III B.Sc Chemistry	Physical Chemistry-II	Photo sensitization	PPT
3.	20.1.23	III B.Sc Chemistry	Physical Chemistry-II	Chemiluminescence	EPG Parthashala phy-chem
4.	22.2.23	III B.Sc Chemistry	Physical Chemistry-II	Computation of the cell	PPT
5.	15.12.22	I.M.Sc Chemistry	Industrial Chemistry	Distinction between oils & fats	Youtube
6.	3.1.23	I.M.Sc Chemistry	Industrial Chemistry	Essential oil	PPT
7.	20.1.23	I.M.Sc Chemistry	Industrial Chemistry	Manufacture of soap	PPT
8.	2.2.23	I.M.Sc Chemistry	Industrial Chemistry	Fossil fuels	PPT
9.	16.2.23	I.M.Sc Chemistry	Industrial Chemistry	Petroleum	Youtube
10.	12.12.22	II.M.Sc Chemistry	Instrumental methods of Analysis	Thermo Analytical method	PPT
11.	15.12.22	II.M.Sc Chemistry	Instrumental methods of Analysis	Methods of Analysis	EPG Parthashala Analytical chemistry
12.	27.12.22	II.M.Sc Chemistry	Instrumental methods of Analysis	Factors affecting Thermogram	PPT

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Details of ICT Enabled Teaching Resources

Department : CHEMISTRY

Academic Year : 2022 - 2023

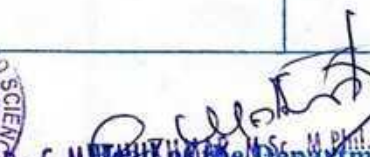
Name of the Staff : MS. K. KALAICHELI

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	8.7.22	III B.Sc	Organic chemistry-I	Nomenclature and preparation of amines	PPT
2.	24.8.22	III B.Sc	Organic chemistry-I	Introduction of Aldehydes and Ketones	PPT
3.	7.9.22	III B.Sc	Organic chemistry-I	Aldol and perkin Condensation	youtube
4.	29.9.22	III B.Sc	Organic chemistry-I	Amino acids	PPT
5.	21.7.22	II M.Sc	IR and Raman Spectroscopy	IR and Raman Spectroscopy	EPJ Padsala
6.	28.7.22	II M.Sc	Physical methods in chemistry-II	Group Vibration	youtube
7.	29.8.22	II M.Sc	Physical methods in chemistry-II	Magnetic properties	PPT
8.	18.10.22	II M.Sc	Physical methods in chemistry-II	Introduction to Electron Spectroscopy	PPT
9.	2.9.22	I M.Sc	Reaction Mechanism and stereochemistry	Reactive Intermediates	PPT
10.	28.9.22	I M.Sc	Reaction Mechanism and stereochemistry	Organic Reaction Mechanism	youtube


Signature of the Staff




Dr. C. M. SANKARANARAYANAN
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Details of ICT Enabled Teaching Resources

Department : CHEMISTRY
 Name of the Staff : MS. K. KALACHELVI

Academic Year : 2022 - 2023
 Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	21.12.22	III B.Sc	Analytical Chemistry	Errors in Chemical Analysis	PPT
2.	3.1.23	III B.Sc	Analytical Chemistry	Introduction to Spectro Analytical Techniques	Youtube
3.	7.2.23	III B.Sc	Analytical Chemistry	TGA	PPT
4.	16.2.23	III B.Sc	Analytical Chemistry	DTA	Youtube
5.	14.12.22	IM.Sc	Spectroscopy, Spectrometry & their applications	Introduction to UV-visible Spectroscopy	PPT
6.	4.1.23	IM.Sc	Spectroscopy, Spectrometry & their applications	Introduction to IR	you tube
7.	20.1.23	IM.Sc	Spectroscopy, Spectrometry and their applications	Introduction to NMR	PPT
8.	7.3.23	IM.Sc	Spectroscopy, Spectrometry and their applications	^{13}C - NMR	PPT



K. Kalache
 Signature of the Staff

Dr. C. M. K. Kalache
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G. Parashuraman
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Details of ICT Enabled Teaching Resources

Department : CHEMISTRY

Academic Year : 2022 - 2023

Name of the Staff : MS. KR. ULATHU

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	05.07.22	II M.Sc Chemistry	Physical Chemistry-II	Debye Huckel Onsager Theory	ppt
2.	22.07.22	II M.Sc Chemistry	Physical Chemistry-II	Butler Volmer Equation	you tube
3.	12.08.22	III B.Sc Chemistry	Physical Chemistry-I	Introduction to Rate of the Reaction	EPJ PADASALAI
4.	18.08.22	III B.Sc Chemistry	Physical Chemistry-I	Kohlrausch's law and its applications	ppt
5.	12.09.22	I M.Sc Chemistry	Coordination Chemistry	Factors affecting Stability Complexes	you tube
6.	19.9.22	I M.Sc Chemistry	Coordination Chemistry	Molecular orbital Theory	EPJ PADASALAI




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Details of ICT Enabled Teaching Resources

Department : CHEMISTRY

Academic Year : 2022 - 2023

Name of the Staff : M3. KR. ULATHI

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	22.12.22	I B.Sc Chemistry	General Chemistry-II	Van - Arkel process	YouTube
2	13.1.22	I B.Sc Chemistry	General Chemistry-II	Kinetic Theory of gases	PPT
3	29.12.22	II B.Sc Chemistry	General Chemistry-V	Classification of Carbohydrate	EPJ PADASALAI
4	15.3.23	II B.Sc Chemistry	General Chemistry-V	Anomalous Behaviour of Halogen	PPT
5	24.1.23	III B.Sc Chemistry	Industrial Chemistry	Types of glass	EPJ PADASALAI
6	20.3.23	III B.Sc Chemistry	Industrial Chemistry	Types of Corrosion	YouTube



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Details of ICT Enabled Teaching Resources

Department : CHEMISTRY

Academic Year : 2022 - 2023

Name of the Staff : Dr. P. Jegajeevaranram

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	5.7.22	III.B.Sc	polymer chemistry UB RICH MBEI	Importance of polymers	PPT
2	13.7.22	III.B.Sc	polymer chemistry UB RICH MBEI	chemistry of polymerization	PPT
3	20.7.22	III.B.Sc	polymer chemistry UB RICH MBEI	Properties of polymer	youtube
4	25.7.22	III.B.Sc	polymer chemistry UB RICH MBEI	molecular weight of polymer	PPT
5	11.7.22	II-M.Sc	inorganic chemistry P3 RICH CC II	Reaction of polymers	PPT
6	3.8.22	II-M.Sc	inorganic chemistry P3 RICH CC II	Inorganic Elements in biological system	youtube
7	2.9.22	II-M.Sc	inorganic chemistry P3 RICH CC II	Cobaltamine Function	PPT
8	12.9.22	II-M.Sc	inorganic chemistry P3 RICH CC II	Copper containing proteins	PPT
9	6.10.22	II-M.Sc	inorganic chemistry P3 RICH CC II	chemotherapy	PPT



Signature of the Staff

Dr. P. Jegajeevaranram
Head, Dept. of Chemistry
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Dr. J. PARASURAMAN, M.A., M.B.A., M.C.
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Details of ICT Enabled Teaching Resources

Department : CHEMISTRY

Academic Year : 2022 - 2023

Name of the Staff : Dr. P. Jegajeevaran

Semester : Odd / Even ✓

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	15.12.22	1.B.Sc	General chemistry - I	Preparation of Alkane	PPT
2	7.2.23	1.B.Sc	General chemistry - II	Preparation of cyclo alkane	PPT
3	24.2.23	III.B.Sc	Food chemistry	Food Adulteration	PPT
4	11.1.23	1.M.Sc	Chemical kinetics, G.T	Order of the Reaction	PPT
5	25.1.23	1.M.Sc	chemical kinetics Group theory Electro chemistry	Butter value equation	PPT
6	28.2.23	1.M.Sc	chemical kinetics Group theory Electro chemistry	Debye-Huckel Equation	PPT



Signature of the Staff

Dr. C. MUTHUKUMAR, M.Sc., Department Head,
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Dr. PARASURAM, M.Phil.,
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Details of ICT Enabled Teaching Resources

Department : chemistry
Name of the Staff : P. Santhiya priya

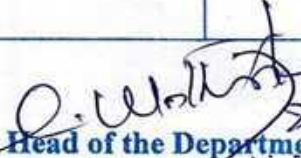
Academic Year : 2022 - 2023

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	1.7.22	II - B.Sc	Allied chemistry -I	Fuels	PPT
2.	18.7.22	II - B.Sc	General chemistry -IV	Heterocyclic Compound	youtube
3.	12.8.22	I - B.Sc	Allied chemistry -I	colloids	E-Content
4.	18.8.22	II - B.Sc	Allied chemistry -I	chemical bonding	EPJ PADASALAI
5.	29.9.22	II B.Sc	General chemistry -IV	Nitrogen Family	PPT
6.	28.9.22	II - B.Sc	General chemistry -IV	Optical Isomerism	PPT




Signature of the Staff


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
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Details of ICT Enabled Teaching Resources

Department : chemistry
Name of the Staff : P. Santhiya priya

Academic Year : 2022 - 2023
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	12.12.22	II - B.Sc	Allied chemistry -III	chemical kinetics	EPJ PADASAI
2.	13.12.22	I - B.Sc	Allied chemistry -III	chromotography	you tube
3.	16.12.22	II - B.Sc	chemistry in every day life	Soap	E-Content
4.	22.12.22	II - B.Sc	Allied chemistry -III	Catalyst	ppt
5.	9.1.23	I - B.Sc	Allied chemistry -III	Carbohydrate	ppt
6.	7.2.23	II - B.Sc	Allied chemistry -III	Benzene	ppt



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