


K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS),

TIRUCHENGODE-637215

DEPARTMENT OF CHEMISTRY (UG & PG)

MEMBERS OF BOARD OF STUDIES (2021-2022)

Name and Address	Position	Nominated by
Dr.A.Kathirvel Assistant Professor and Head, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215	Chairman	Principal
Department Faculty Dr. R.P.Suresh Jeyakumar Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215 Mr. M.Ravikumar Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215 Ms. R.Saranya Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215 Ms. D.Sandhiya Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215 Ms. S.Ruba Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous),	Members	Principial


PRINCIPAL
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<p>Tiruchengode 637215</p> <p>Ms. K.Gayathri Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215.</p> <p>Mr. S.Vijayakumar Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215.</p> <p>Ms. M.Nandhini Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215</p>		
<p>Dr. A.Muthusamy Assistant Professor Department of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020.</p> <p>Dr. V.Sivakumar Assistant Professor Department of Chemistry Sri Vasavi College of Arts and Science Erode - 638316</p>	<p>Member</p>	<p>Academic Council</p>
<p>Dr. P.Viswanathamurthi Professor Department of Chemistry Periyar University Salem - 636 011</p>	<p>Member</p>	<p>Vice Chancellor</p>



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Mr.S.Jayamurugan Deputy Quality Controller Chemplast Shanmar Plant II Mettur Salem - 636403	Member Representing Corporate/Industry	Academic Council
Mr. S. Jayamurugan Deputy Quality Controller Chemlast Shanmar Plant II Mettur Salem - 636 403	Member Meritorious Alumini	Principal
Mrs. M.Sujatha Assistant Professor and Head, Department of Mathematics, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215	Co-opted Members	Principal


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(Online mode)

The board of studies for chemistry (UG) is held on 23.05.2020 at the department of chemistry, K.S.Rangasamy college of arts and science (Autonomous), Tiruchengode – 637215, to approve the syllabus with the effect from the Academic year 2020-2021.

The syllabus for 2020-2021 has been thoroughly discussed and resolves that the programme structure for B.Sc., chemistry is approved with effect from the academic year 2020-2021.

The suggestions given by members are given in annexure-I

S.No.	Name and Address	Signature
1	Dr.A.Kathirvel Assistant Professor and Head, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215	Signature not required
2	Department Faculty Dr. R.P.Suresh Jeyakumar Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215 Mr. M.Ravikumar Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215 Ms. R.Saranya	Signature not required


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3	Dr. A.Muthusamy	

	<p>Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215</p> <p>Ms. D.Sandhiya Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215</p> <p>Ms. S.Ruba Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215</p> <p>Ms. K.Gayathri Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215.</p> <p>Mr. S.Vijayakumar Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215.</p> <p>Ms. M.Nandhini Assistant Professor, Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode 637215</p>	<p>Signature not required</p>
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	<p>Assistant Professor Department of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020.</p> <p>Dr. V.Sivakumar Assistant Professor Department of Chemistry Sri Vasavi College of Arts and Science Erode - 638316</p>	Signature not required
4	<p>Dr. P.Viswanathamurthi Professor Department of Chemistry Periyar University Salem - 636 011</p>	Signature not required
5	<p>Mr.S.Jayamurugan Deputy Quality Controller Chemplast Shanmar Plant II Mettur Salem - 636403</p>	Signature not required
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Tiruchengode - 637 215
Department of Chemistry
BOS (2021-2022)

Suggestions and Revisions:

The following revisions have been made in M.Sc Chemistry for the First Year (2021-2022) Syllabus.

Semester	Subject Name	Modifications
I	Core IV: Spectroscopy	<ul style="list-style-type: none"> ✓ Unit V The title spectroscopic identification of organic has been removed. ✓ Also Unit I is changed as Unit II ,Unit II is changed as Unit III,Unit III is changed as Unit IV and Unit IV changed as Unit V respectively. ✓ The title rotational and vibrational spectroscopy has been introduced in Unit I ✓ 20% of the syllabus has been changed.
II	Core VII: Physical chemistry II	<ul style="list-style-type: none"> ✓ Unit V The title molecular spectroscopy has been replaced with surface phenomena and acid -base catalysis reaction ✓ 20% of the syllabus has been changed.
II	Elective I: Bio Inorganic chemistry I	<ul style="list-style-type: none"> ✓ Unit V The title drug discovery and design has been replaced with metal complexes in medical field. ✓ 20% of the syllabus has been changed.
II	Elective I: Principles and applications of drug design and discovery	<ul style="list-style-type: none"> ✓ In Unit V The topics stereochemistry in drug designing -stereospecificity of drug targets - Eudesmic ratio -examples of eutomers and distomers were removed. ✓ 5% of the syllabus has been changed.


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Dr.A.KATHIRVEL
Chairman - BOS

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Percentage of syllabus revision

The following are the Percentage of syllabus revisions made in M.Sc Chemistry for the First Year (2021-2022) Syllabus.

Subject Name and Code	Modifications	% of Change
Core IV: Spectroscopy 21PCHM104	<ul style="list-style-type: none"> ✓ Unit V The title spectroscopic identification of organic has been removed. ✓ Also Unit I is changed as Unit II ,Unit II is changed as Unit III,Unit III is changed as Unit IV and Unit IV changed as Unit V respectively. ✓ The title rotational and vibrational spectroscopy has been introduced in Unit I ✓ 20% of the syllabus has been changed 	20%
Core VII: Physical chemistry II 21PCHM203	<ul style="list-style-type: none"> ✓ Unit V The title molecular spectroscopy has been replaced with surface phenomena and acid -base catalysis reaction ✓ 20% of the syllabus has been changed. 	20%
Elective I: Bio Inorganic chemistry I 21PCHL202	<ul style="list-style-type: none"> ✓ Unit V The title drug discovery and design has been replaced with metal complexes in medical field. ✓ 20% of the syllabus has been changed. 	20%
Elective I : Principles and applications of drug design and discovery 21PCHL202	<ul style="list-style-type: none"> ✓ In Unit V The topics stereochemistry in drug designing -stereospecificity of drug targets - Eudesmic ratio -examples of eutomers and distomers were removed. ✓ 5% of the syllabus has been changed. 	5%

Total Percentage of syllabus revision carried out in First Year is 5. 41%.


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Department of Chemistry

Highlights of Syllabus Revision- BOS (2021-2022)

The following are the highlights of syllabus revision in M.Sc Chemistry for the First Year (2021-2022) Syllabus.

- The objective of the programme is to prepare the students to meet out the domestic, national and global development needs and accordingly content of the courses are been formulated.
- The course content has been framed considering the values and ethics of current trends of chemical science.
- The important topic metal complexes in medical field has been included in Elective I: Bio Inorganic chemistry I
- Included contents in the course with respect to the development of employability, entrepreneurship and skill of the students.


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