


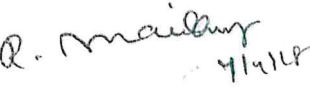
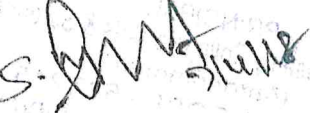



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TIRUCHENGODE - 637215
DEPARTMENT OF CHEMISTRY

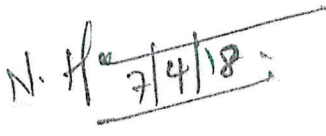


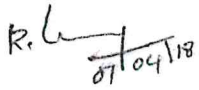
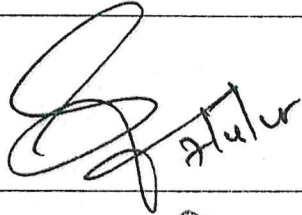
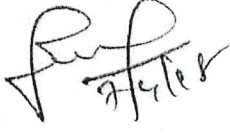


The board of studies for Chemistry (UG & PG) is held on 07-04-2018 at the Department of Chemistry, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215, to approve the syllabus with effect from the academic year 2018-2019.

The syllabus for 2018-2019 has been thoroughly discussed and resolved that the programme structure for B.Sc., Chemistry and M.Sc., Chemistry are approved with effect from the academic year 2018-2019.

The suggestions given by members are given in Annexure-I & Annexure-II.

S.No.	Name & Official Address	Signature
1	Dr. P. Viswanathamurthi Professor Department of Chemistry School of Physical Sciences Periyar University Salem – 636 011	 07/04/18
2	Dr. A. Muthusamy Assistant Professor Department of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020	 07/04/18
3	Dr. K. Balasubramani Assistant Professor Department of Chemistry Government Arts College (Autonomous) Karur – 639005	ABSENT
5	Dr. A. Kathirvel Assistant Professor & Head Department of Chemistry K.S.Rangasamy College of Arts & Science Tiruchengode – 637 215	
6	Dr. R. Manikandan Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science Tiruchengode – 637 215	 7/4/18
7	Dr. S. Mathankumar Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 7/4/18


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8	Mr. N. Hari Prabhu Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 N. H. 27/4/18
9	Ms. E. Narmatha Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 E. N. 27/4/18
10	Mr. K. Moorthi Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 K. Moorthi 27/4/18
11	Ms. R. Lavanya Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 R. L. 27/04/18
12	Mrs. S. Padma Assistant Professor & Head Department of Computer Application K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 S. Padma 27/4/18
13	Mr. S. Jegadeesan Assistant Professor & Head (PG) Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 S. Jegadeesan 27/4/18
14	Dr. G. Suresh Kumar Assistant Professor and Head (PG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 G. Suresh Kumar 27/4/18
15	Dr. M. Venkatesh Assistant Professor and Head (UG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 M. Venkatesh 27/04/18


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27/04/18

K.S.RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)
TIRUCHENGODE - 637215
DEPARTMENT OF CHEMISTRY

Name & Official 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 Members		
1. Dr. R. Manikandan Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215 2. Dr. S. Mathankumar Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215 3. Mr. N. Hari Prabhu Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215 4. Ms. E. Narmatha Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215 5. Mr. K. Moorthi Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous)	Members	Principal



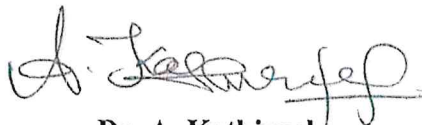
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Tiruchengode – 637215		
6. Ms. R. Lavanya Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215		
External Members		
Subject Experts		
1. Dr. P. Viswanathamurthi Professor Department of Chemistry School of Physical Sciences Periyar University Salem – 636 011	Member	Vice Chancellor
2. Dr. A. Muthusamy Assistant Professor Department of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020	Member	Academic Council
3. Dr. K. Balasubramani Assistant Professor Department of Chemistry Government Arts College (Autonomous) Karur – 639005	Member	Academic Council
Representing Industry		
A.S. Pushpanathan Head (Water treatment plant) Mahindra Water Utilities Ltd Indra nagar Erode - 638381	Member	Principal
Meritorious Alumni		
S. Jayamurugan Deputy Quality Controller Chemplast Shanmar Plant II Mettur Salem – 636 403	Member	Principal
Supporting Department(s) - Faculty Members		
1. Mrs. S. Padma Assistant Professor & Head Department of Computer Application	Co-opted member	Principal


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K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215		
2. Mr. S. Jegadeesan Assistant Professor and Head (PG) Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	Co-opted member	Principal
3. Dr. G. Suresh Kumar Assistant Professor and Head (PG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	Co-opted member	Principal
4. Dr. M. Venkatesh Assistant Professor and Head (UG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	Co-opted member	Principal


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Dr. A. Kathirvel


Chairman- BOS Chemistry

K. S. Rangasamy College of Arts and Science (Autonomous)
Tiruchengode - 637 215
Department of Chemistry
BOS (2018-2019)

Suggestions and Revisions:

The following revisions were made in M.Sc Chemistry for the First Year
 (2018-2019) Syllabus.

Semester	Subject Name	Modifications
I	Core I: Organic Chemistry I	<ul style="list-style-type: none"> ✓ Kolbes reaction is included in Unit II ✓ Azulene topic is included in Unit IV ✓ Inter and intra molecular rearrangements and photo fries rearrangement are added ✓ 5% of the syllabus has been changed.
I	Core II: In organic Chemistry I	<ul style="list-style-type: none"> ✓ Inorganic Polymer Unit is removed ✓ 20% of the syllabus has been changed.
I	Core IV: Spectroscopy	<ul style="list-style-type: none"> ✓ Instrumentation, Meta stable peak and nitrogen rule are included in Unit IV ✓ The word chemical changed to proton in Unit-II ✓ 5% of the syllabus has been changed.
II	Core V: Organic Chemistry II	<ul style="list-style-type: none"> ✓ SN_1' and SN_2' are included in Unit II Basic ideas about peptides are added in Unit V ✓ 5% of the syllabus has been changed.
II	Core VI: Inorganic Chemistry II	<ul style="list-style-type: none"> ✓ Unit IV is updated. ✓ 5% of the syllabus has been changed.
II	Elective I: Polymer Chemistry	Unit IV <ul style="list-style-type: none"> ✓ Resins topic is included Unit V <ul style="list-style-type: none"> ✓ Preparation and uses of commercial polymers


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Semester	Subject Name	Modifications
		<p>included</p> <ul style="list-style-type: none"> ✓ Poly urethane and poly carbonate included. ✓ Silicone polymers removed ✓ Biomedical uses of polymers title included ✓ 10% of the syllabus has been changed.
18PCHEL202	Elective I: Bio-inorganic chemistry I	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Entrepreneurship requirements ✓ 100% of the syllabus has been changed
18PCHEL203	Elective I: Principles and applications of drug design and discovery	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Industrial requirements ✓ 100% of the syllabus has been changed


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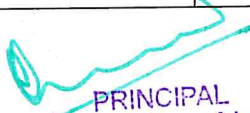
Dr.A.KATHIRVEL

Chairman - BOS

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Tiruchengode - 637 215
Department of Chemistry
BOS (2018-2019)
Percentage of syllabus revision

The following are the Percentage of syllabus revisions made in M.Sc Chemistry for the First Year (2018-2019) Syllabus.


Subject Name and Code	Modifications	% of Change
Core I: Organic Chemistry I 18PCHM101	<ul style="list-style-type: none"> ✓ Kolbes reaction is included in Unit II ✓ Azulene topic is in Unit II ✓ Inter and intra molecular rearrangements and photo fries rearrangement are added ✓ 5% of the syllabus has been changed. 	5%
Core II: In organic Chemistry I 18PCHM102	<ul style="list-style-type: none"> ✓ Inorganic Polymer Unit is removed ✓ 20% of the syllabus has been changed. 	20%
Core IV: Spectroscopy 18PCHM104	<p style="text-align: center;">Unit-II</p> <ul style="list-style-type: none"> ✓ The word chemical changed to proton. <p style="text-align: center;">Unit-IV</p> <ul style="list-style-type: none"> ✓ Instrumentation, Meta stable peak and nitrogen rule are included. ✓ 5% of the syllabus has been changed. 	5%
Core V: Organic Chemistry II 18PCHM201	<p style="text-align: center;">Unit II</p> <ul style="list-style-type: none"> ✓ SN₁' and SN_i' are included <p style="text-align: center;">Unit V</p> <ul style="list-style-type: none"> ✓ Basic ideas about peptides are added. ✓ 5% of the syllabus has been changed. 	5%
Core VI : Inorganic Chemistry II 18PCHM202	<ul style="list-style-type: none"> ✓ Unit IV is updated. ✓ 5% of the syllabus has been changed. 	5%
Elective I: Polymer Chemistry 18PCHEL201	<ul style="list-style-type: none"> ✓ Resins topic is included Unit IV <p style="text-align: center;">Unit V</p> <ul style="list-style-type: none"> ✓ Preparation and uses of commercial polymers included. Poly urethane and poly carbonate included. 	10%


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	<ul style="list-style-type: none"> ✓ Silicone polymers removed ✓ Biomedical uses of polymers title included ✓ 10% of the syllabus has been changed. 	
Elective I: Bio-inorganic chemistry I 18PCHEL202	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Entrepreneurship requirements ✓ 100% of the syllabus has been changed 	100%
Elective I: Principles and applications of drug design and discovery 18PCHEL203	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Industrial requirements ✓ 100% of the syllabus has been changed 	100%

Total Percentage of syllabus revision carried out in First Year is 15.65 %.


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 Dr.A.KATHIRVEL
 Chairman - BOS

K. S. Rangasamy College of Arts and Science (Autonomous)

Tiruchengode - 637 215

Department of Chemistry

Highlights of Syllabus Revision- BOS (2018-2019)

The following are the highlights of syllabus revision in M.Sc Chemistry for the First Year (2018-2019) Syllabus.

- The objective of the programme is to prepare the students to meet out the domestic and global development needs and accordingly content of the courses are been formulated.
- As per the feedback received from the subject experts new topic preparation and uses of commercial polymers included in Unit V to fulfill the industry requirements. Elective courses like Bio-inorganic chemistry I and Principles and applications of drug design and discovery are included.
- The course content has been framed considering the values and ethics of current trends of chemical science.
- Included contents in the course with respect to the development of employability, entrepreneurship and skill of the students.


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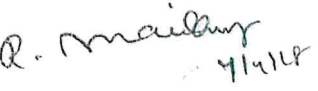
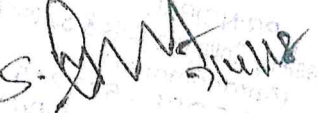
Chairman - BOS


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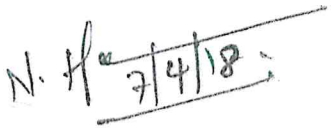


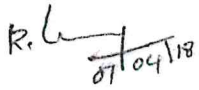
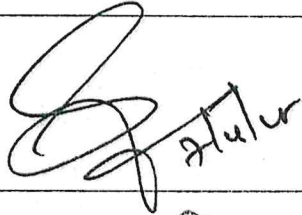
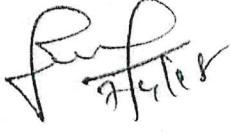

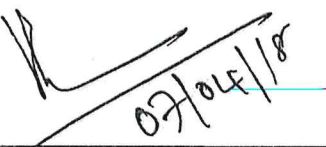
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The syllabus for 2018-2019 has been thoroughly discussed and resolved that the programme structure for B.Sc., Chemistry and M.Sc., Chemistry are approved with effect from the academic year 2018-2019.

The suggestions given by members are given in Annexure-I & Annexure-II.

S.No.	Name & Official Address	Signature
1	Dr. P. Viswanathamurthi Professor Department of Chemistry School of Physical Sciences Periyar University Salem – 636 011	 07/04/18
2	Dr. A. Muthusamy Assistant Professor Department of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020	 07/04/18
3	Dr. K. Balasubramani Assistant Professor Department of Chemistry Government Arts College (Autonomous) Karur – 639005	ABSENT
5	Dr. A. Kathirvel Assistant Professor & Head Department of Chemistry K.S.Rangasamy College of Arts & Science Tiruchengode – 637 215	
6	Dr. R. Manikandan Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science Tiruchengode – 637 215	 7/4/18
7	Dr. S. Mathankumar Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 7/4/18


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10	Mr. K. Moorthi Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 K. Moorthi 27/4/18
11	Ms. R. Lavanya Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 R. L. 27/04/18
12	Mrs. S. Padma Assistant Professor & Head Department of Computer Application K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 S. Padma 27/4/18
13	Mr. S. Jegadeesan Assistant Professor & Head (PG) Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 S. Jegadeesan 27/4/18
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15	Dr. M. Venkatesh Assistant Professor and Head (UG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	 M. Venkatesh 27/04/18


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TIRUCHENGODE - 637215
DEPARTMENT OF CHEMISTRY

Name & Official 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 Members		
<ol style="list-style-type: none"> 1. Dr. R. Manikandan Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215 2. Dr. S. Mathankumar Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215 3. Mr. N. Hari Prabhu Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215 4. Ms. E. Narmatha Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) Tiruchengode – 637215 5. Mr. K. Moorthi Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts and Science (Autonomous) 	Members	Principal



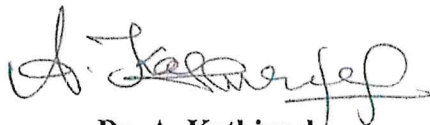
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Tiruchengode – 637215		
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Representing Industry		
A.S. Pushpanathan Head (Water treatment plant) Mahindra Water Utilities Ltd Indra nagar Erode - 638381	Member	Principal
Meritorious Alumni		
S. Jayamurugan Deputy Quality Controller Chemplast Shanmar Plant II Mettur Salem – 636 403	Member	Principal
Supporting Department(s) - Faculty Members		
1. Mrs. S. Padma Assistant Professor & Head Department of Computer Application	Co-opted member	Principal


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K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215		
2. Mr. S. Jegadeesan Assistant Professor and Head (PG) Department of Mathematics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	Co-opted member	Principal
3. Dr. G. Suresh Kumar Assistant Professor and Head (PG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	Co-opted member	Principal
4. Dr. M. Venkatesh Assistant Professor and Head (UG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	Co-opted member	Principal


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Dr. A. Kathirvel


Chairman- BOS Chemistry

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Tiruchengode - 637 215
Department of Chemistry
BOS (2018-2019)

Suggestions and Revisions:

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 (2018-2019) Syllabus.

Semester	Subject Name	Modifications
I	Core I: Organic Chemistry I	<ul style="list-style-type: none"> ✓ Kolbes reaction is included in Unit II ✓ Azulene topic is included in Unit IV ✓ Inter and intra molecular rearrangements and photo fries rearrangement are added ✓ 5% of the syllabus has been changed.
I	Core II: In organic Chemistry I	<ul style="list-style-type: none"> ✓ Inorganic Polymer Unit is removed ✓ 20% of the syllabus has been changed.
I	Core IV: Spectroscopy	<ul style="list-style-type: none"> ✓ Instrumentation, Meta stable peak and nitrogen rule are included in Unit IV ✓ The word chemical changed to proton in Unit-II ✓ 5% of the syllabus has been changed.
II	Core V: Organic Chemistry II	<ul style="list-style-type: none"> ✓ SN_1' and SN_2' are included in Unit II Basic ideas about peptides are added in Unit V ✓ 5% of the syllabus has been changed.
II	Core VI: Inorganic Chemistry II	<ul style="list-style-type: none"> ✓ Unit IV is updated. ✓ 5% of the syllabus has been changed.
II	Elective I: Polymer Chemistry	Unit IV <ul style="list-style-type: none"> ✓ Resins topic is included Unit V <ul style="list-style-type: none"> ✓ Preparation and uses of commercial polymers


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Semester	Subject Name	Modifications
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18PCHEL202	Elective I: Bio-inorganic chemistry I	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Entrepreneurship requirements ✓ 100% of the syllabus has been changed
18PCHEL203	Elective I: Principles and applications of drug design and discovery	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Industrial requirements ✓ 100% of the syllabus has been changed


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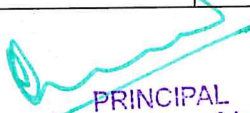
Dr.A.KATHIRVEL

Chairman - BOS

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Tiruchengode - 637 215
Department of Chemistry
BOS (2018-2019)
Percentage of syllabus revision

The following are the Percentage of syllabus revisions made in M.Sc Chemistry for the First Year (2018-2019) Syllabus.


Subject Name and Code	Modifications	% of Change
Core I: Organic Chemistry I 18PCHM101	<ul style="list-style-type: none"> ✓ Kolbes reaction is included in Unit II ✓ Azulene topic is in Unit II ✓ Inter and intra molecular rearrangements and photo fries rearrangement are added ✓ 5% of the syllabus has been changed. 	5%
Core II: In organic Chemistry I 18PCHM102	<ul style="list-style-type: none"> ✓ Inorganic Polymer Unit is removed ✓ 20% of the syllabus has been changed. 	20%
Core IV: Spectroscopy 18PCHM104	<p style="text-align: center;">Unit-II</p> <ul style="list-style-type: none"> ✓ The word chemical changed to proton. <p style="text-align: center;">Unit-IV</p> <ul style="list-style-type: none"> ✓ Instrumentation, Meta stable peak and nitrogen rule are included. ✓ 5% of the syllabus has been changed. 	5%
Core V: Organic Chemistry II 18PCHM201	<p style="text-align: center;">Unit II</p> <ul style="list-style-type: none"> ✓ SN₁' and SN_i' are included <p style="text-align: center;">Unit V</p> <ul style="list-style-type: none"> ✓ Basic ideas about peptides are added. ✓ 5% of the syllabus has been changed. 	5%
Core VI : Inorganic Chemistry II 18PCHM202	<ul style="list-style-type: none"> ✓ Unit IV is updated. ✓ 5% of the syllabus has been changed. 	5%
Elective I: Polymer Chemistry 18PCHEL201	<ul style="list-style-type: none"> ✓ Resins topic is included Unit IV <p style="text-align: center;">Unit V</p> <ul style="list-style-type: none"> ✓ Preparation and uses of commercial polymers included. Poly urethane and poly carbonate included. 	10%


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	<ul style="list-style-type: none"> ✓ Silicone polymers removed ✓ Biomedical uses of polymers title included ✓ 10% of the syllabus has been changed. 	
Elective I: Bio-inorganic chemistry I 18PCHEL202	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Entrepreneurship requirements ✓ 100% of the syllabus has been changed 	100%
Elective I: Principles and applications of drug design and discovery 18PCHEL203	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Industrial requirements ✓ 100% of the syllabus has been changed 	100%

Total Percentage of syllabus revision carried out in First Year is 15.65 %.


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 Chairman - BOS

K. S. Rangasamy College of Arts and Science (Autonomous)

Tiruchengode - 637 215


Department of Chemistry

Highlights of Syllabus Revision- BOS (2018-2019)

The following are the highlights of syllabus revision in M.Sc Chemistry for the First Year (2018-2019) Syllabus.

- The objective of the programme is to prepare the students to meet out the domestic and global development needs and accordingly content of the courses are been formulated.
- As per the feedback received from the subject experts new topic preparation and uses of commercial polymers included in Unit V to fulfill the industry requirements. Elective courses like Bio-inorganic chemistry I and Principles and applications of drug design and discovery are included.
- The course content has been framed considering the values and ethics of current trends of chemical science.
- Included contents in the course with respect to the development of employability, entrepreneurship and skill of the students.

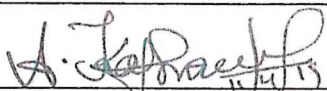


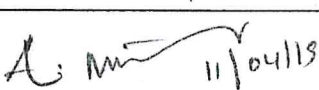
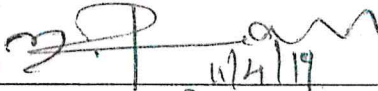

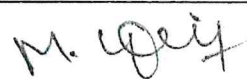
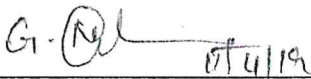
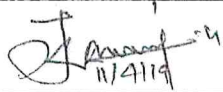
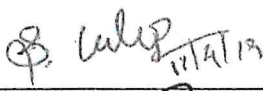


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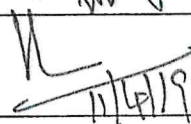
K.S.RANGASAMY COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)**TIRUCHENGODE - 637 215****DEPARTMENT OF CHEMISTRY**

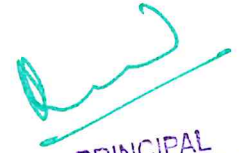
The Board of Studies for B.Sc., & M.Sc., Chemistry was held on 11.04.2019 at 10.00 AM in the Department of Chemistry, K.S.Rangasamay College of Arts and Science (Autonomous), Tiruchengode to approve the syllabus with effect from the academic year 2019 – 20.

MEMBERS PRESENT

S.No	Name and Designation	Signature
1.	Dr. A. Kathirvel Chairman – BoS	
2.	Dr. P. Viswanathamurthi Member – Nominated by Vice Chancellor	
3.	Dr. K. Balasubramani Member – Nominated by Academic Council	
4.	Dr. A. Muthusamy Member – Nominated by Academic Council	
5.	S. Jayamurugan Alumni Member – Nominated by Principal	Absent
6.	A.S. Pushpanathan Member Representing Industry–Nominated by Principal	Absent
7.	Mr. M. Ravikumar Member - Department of Chemistry	
8.	Ms. A. Subhashri Member - Department of Chemistry	
9.	Ms. M. Gayathri Member - Department of Chemistry	
10.	Ms. G. Nikitha Member - Department of Chemistry	
11.	Mr. G. Karthi Member - Department of Chemistry	
12.	Ms. S. Kalaipriya Member - Department of Chemistry	
13.	Mr.S. Padma Co-opted Member – Nominated by Principal	


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14.	Mr. S. Jagadeesan Co-opted Member – Nominated by Principal	 11/4/19
15.	Dr. G. Suresh Kumar Co-opted Member – Nominated by Principal	 11/4/19
16.	Dr. M. Venkatesh Co-opted Member – Nominated by Principal	 11/4/19


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2019-20
K.S. RANGASAMY COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS),
TIRUCHENGODE - 637 215.

DEPARTMENT OF CHEMISTRY

S.No	Name	Position	Nominated by
1.	Dr. A. Kathirvel Assistant Professor & Head Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215	Chairman	Principal
2.	Department Faculty: Mr. M. Ravikumar Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215 Ms. A. Subhashri Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215 Ms. M. Gayathri Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215 Ms. G. Nikitha Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215 Mr. G. Karthi Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215	Members	Principal


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	Ms. S. Kalaipriya Assistant Professor Department of Chemistry K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215		
3	Dr. A. Muthusamy Assistant Professor of Chemistry Sri Ramakrishna Mission Vidyalaya College of Arts and Science (Autonomous) Coimbatore - 641 020	Members	Academic Council
	Dr. K. Balasubramani Assistant Professor Department of Chemistry Government Arts College (Autonomous) Karur- 639 005		
4.	Dr. P. Viswanathamurthi Professor of Chemistry School of Physical Sciences Periyar University Salem - 636 011	Member	Vice Chancellor
5.	A.S. Pushpanathan Head (Water treatment plant) Mahindra Water Utilities Ltd Indra Nagar Erode - 638 381	Member Representing Industry	Academic Council
6.	S. Jayamurugan Deputy Quality Controller Chemplast Shanmar Plant II Mettur Salem - 636403	Member Meritorious Alumnus	Principal
7.	Mr.S. Padma Assistant Professor & Head Department of Computer Applications K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215	Co-opted Members	Principal
	Mr. S. Jagadeesan Assistant Professor & Head Department of Mathematics K.S.Rangasamy College of Arts & Science (Autonomous) Tiruchengodu -637 215		

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Dr. G. Suresh Kumar Assistant Professor and Head (PG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215	Co-opted Members	Principal
Dr. M. Venkatesh Assistant Professor and Head (UG) Department of Physics K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode – 637215		


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Department of Chemistry
BOS (2019-2020)**

Suggestions and Revisions:

The following were the revisions made in M.Sc Chemistry for the Second Year (2019-2020) Syllabus.

Semester	Subject Name	Modifications
III	Core VIII: Organic Chemistry III	<ul style="list-style-type: none"> ✓ Sulphurylides has been removed from Unit II ✓ 5% of the syllabus has been changed.
III	Core IX: Inorganic Chemistry III	<ul style="list-style-type: none"> ✓ Multiple metal metal bonds has been removed from Unit I ✓ Spectral and magnetic properties of Lanthanides and Actinides has been removed from Unit II ✓ Unit of lanthanides and actinides has been introduced instead of inorganic applications of Unit V ✓ 30% of the syllabus has been changed.
III	Core Practical VI: Physical Chemistry Practical II	<ul style="list-style-type: none"> ✓ One experiment has been excluded ✓ One new experiment has been introduced ✓ 5% of the syllabus has been changed.
III	Elective II: Bio- inorganic chemistry II	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Employability requirements ✓ 100% of the syllabus has been changed
III	Elective II: Polymer Chemistry II	<ul style="list-style-type: none"> ✓ New subject has been introduced in order to fulfill the Entrepreneurship requirements ✓ 100% of the syllabus has been changed
IV	Core XI: Physical Chemistry III	<ul style="list-style-type: none"> ✓ Electronic spectra of diatomic molecules has been excluded from Unit III ✓ 5% of the syllabus has been changed.


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Department of Chemistry-BOS (2019-2020)

Percentage of syllabus revision

The following are the percentage of syllabus revisions made in M.Sc Chemistry for the Second Year (2019-2020) Syllabus.

Subject Name and Code	Modifications	% of Change
Core VIII: Organic Chemistry III 18PCHM301	✓ Sulphurylides has been removed from the Unit I ✓ 5% of the syllabus has been changed.	5%
Core IX: Inorganic Chemistry III 18PCHM302	✓ Multiple metal metal bonds has been removed from Unit I. Spectral and magnetic properties of Lanthanides and Actinides has been removed from Unit II ✓ Unit of lanthanides and actinides has been introduced instead of inorganic applications of Unit V. 30% of the syllabus has been changed.	30%
Core Practical VI: Physical Chemistry Practical II 18PCHMP302	✓ One experiment has been excluded ✓ One new experiment has been introduced ✓ 5% of the syllabus has been changed.	5%
Elective II: Bio-inorganic chemistry II 18PCHEL302	✓ New subject has been introduced in order to fulfill the Employability requirements ✓ 100% of the syllabus has been changed.	100%
Elective II: Polymer Chemistry II 18PCHEL302	✓ New subject has been introduced in order to fulfill the Entrepreneurship requirements ✓ 100% of the syllabus has been changed	100%
Core XI: Physical Chemistry III 18PCHM402	✓ Electronic spectra of diatomic molecules has been excluded from unit III ✓ 5% of the syllabus has been changed.	5%

Total Percentage of syllabus revision carried out in Second Year is 21.81%.

The overall percentage revision of syllabus made in M.Sc Chemistry(2018-2020) 18.73 %.


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Department of Chemistry

Highlights of Syllabus Revision- BOS (2019-2020)

The following are the highlights of syllabus revision in M.Sc. Chemistry for the Second Year (2019-2020) Syllabus.

- The objective of the programme is to prepare the students to meet out the domestic and global development needs and accordingly content of the course are been formulated.
- Based on the suggestions given by the BOS members, employability course like Bio-inorganic chemistry II and Polymer Chemistry II are included in the syllabus.
- The course content has been framed considering the values and ethics of current trends of chemical science.
- Included contents in the course with respect to the development of employability, entrepreneurship and skill of the students.


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