

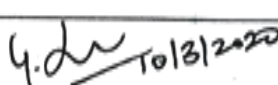
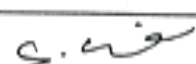
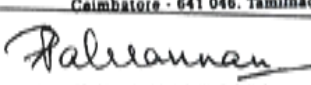
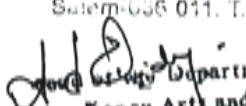
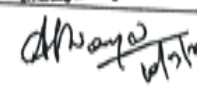
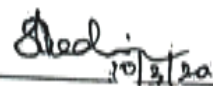
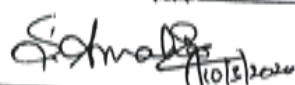
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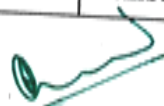
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DEPARTMENT OF BIOCHEMISTRY


The Board of Studies for Biochemistry was held on 10.03.2020 at 10.00 AM in the Biochemistry Department, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode to approve the syllabus with effect from the academic year 2020-21.

MEMBERS PRESENT

S.No	Name and Designation	Signature with Date
1.	Dr. G.Saravanan Chairman -BoS	 10/3/2020
2.	Dr. S.Suja Member- Vice Chancellor	 Dr. S. SUJA M.Sc., M.Phil(BC), M.Phil (BT), PGDNET, Ph.D., Professor and Head Department of Biochemistry Bharathiar University Coimbatore - 641 046, Tamilnadu, India
3.	Dr.T.Palvannan Member - Academic Council	 Dr. T. PALVANNAN, M.Sc., Ph.D., Associate Professor Department of Biochemistry Periyar University, Salem-636 011, T.N.India.
4.	Dr.A.K.Vidya Member - Academic Council	 Department of Biochemistry Kongu Arts and Science college Nanjapuram, BRODE-638 103
5.	Dr.A.Praveena Member	 10/3/20
6.	Dr.S.Vadivukkarasi Member	 10/3/20
7.	Ms.S.Arunambiga Member	 10/3/2020


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8.	Mr.A.Balakrishnan Member	<i>Bala</i> 19/3/2020
9.	Ms.M.Krishnaveni Member	<i>S.M. Ky</i>
10.	Mr.D.Venkatesan Member	<i>D.Venkatesan</i> 19/3/2020
11.	Ms.Maitri Chakraborty Member	<i>Maitri</i>
12.	Ms.B.Viswaroopini Member	<i>B.V.R.</i> 18/3/20


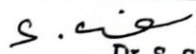
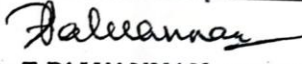
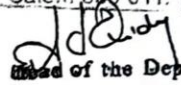
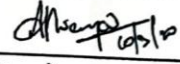
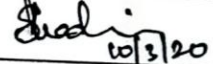
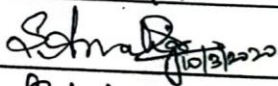

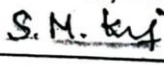
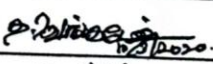

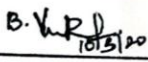

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MINUTES OF BOARD OF STUDIES - Biochemistry

The members of the board unanimously passed the following resolution.

"Resolved that the syllabus for Biochemistry (Final Year UG) be approved for adoption with the recommended modifications w.e.f. academic year 2020-21".

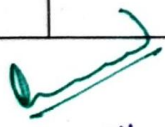
Members of the board duly approved the syllabus for Biochemistry.

S.No	Name and Designation	Signature with Date
1.	Dr. G.Saravanan Chairman -BoS	 10/13/2020
2.	Dr. S.Suja Member- Vice Chancellor	 Dr. S. SUJA M.Sc., M.Phil (BC), M.Phil (BT), PGDNET, Ph.D., Professor and Head Department of Biochemistry Bharathiar University Coimbatore - 641 046, Tamilnadu, India
3.	Dr.T.Palvannan Member - Academic Council	 Dr. T. PALVANNAN, M.Sc., Ph.D., Associate Professor Department of Biochemistry Periyar University, Salem-636 011, T.N. India.
4.	Dr.A.K.Vidya Member - Academic Council	 Head of the Department of Biochemistry Kongu Arts and Science college Nanjampuram, ERODE-638 107
5.	Dr.A.Praveena Member	 10/13/20
6.	Dr.S.Vadivukkarasi Member	 10/13/20
7.	Ms.S.Arunambiga Member	 10/13/2020.
8.	Mr.A.Balakrishnan Member	 10/03/2020
9.	Ms.M.Krishnaveni Member	 S. M. krj
10.	Mr.D.Venkatesan Member	 10/13/2020.
11.	Ms.Maitri Chakraborty Member	 Maitri
12.	Ms.B.Viswaroopini Member	 10/13/20.



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MODIFICATIONS TO BE MADE

Semester	Subject Name	Modifications	Percentage of Changes
UG			
V	Fundamentals of Immunology	<ul style="list-style-type: none"> The technical term hybridoma technology can be introduced to explain monoclonal antibodies in Unit II Unit V can be given a heading, Immune system and Disease 	-
	Molecular Biology	<ul style="list-style-type: none"> Central Dogma of Molecular biology can be introduced in Unit I Holliday model of recombination can be introduced in Unit II Splicing of RNA and enzymes involved in transcription may be introduced 	2%
	Clinical Biochemistry	<ul style="list-style-type: none"> The phrase "sugar levels in blood and its regulation" in Unit I can be changed to "sugar levels in blood and Homeostasis" Plasma Proteins in Unit II can be given separately and its types can be specified Kidney function tests can be given as the title of Unit V Textbook of Biochemistry by Thomas Devlin can be added as reference book 	8%
	Endocrinology	<ul style="list-style-type: none"> Stress releasing hormones: endorphins can be introduced in Unit II 	5%


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	Elective I: Human Physiology	<ul style="list-style-type: none"> • Details about Eye – anatomy and function can be introduced in Unit IV as special senses. • Male and Female reproductive system – anatomy and functions can be introduced 	100%
	Elective I: Nutritional Biochemistry	<ul style="list-style-type: none"> • Elementary details of Sports nutrition can be introduced in Unit IV 	100%
	Core Practical V	<ul style="list-style-type: none"> • No change 	-
	SBC III: Pharmacognosy	<ul style="list-style-type: none"> • To improve the student skills. 	-
	ADC II: Soil Biochemistry/ Microbial Biochemistry	<ul style="list-style-type: none"> • No change 	-
VI	Plant Biochemistry	<ul style="list-style-type: none"> • Plant water relation is shifted from Unit II to Unit I and Photosynthesis shall be changed as Unit II • Biogeochemical cycle- Sulphur, nitrogen, hydrogen, carbon, oxygen, phosphorus shall be introduced in Unit III and GS/GOGAT can be removed, some topics can be merged • In Unit V, Bacteria, fungi, virus, parasites may be added in biotic plant stress and Hypersensitive reaction and plant immune response with reference to jasmonates can be removed 	15%
	Pharmaceutical Biochemistry	<ul style="list-style-type: none"> • Antibiotics can be removed from cancer chemotherapy in Unit IV 	-



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	Genetic Engineering	<ul style="list-style-type: none"> No change 	-
	Elective II: Computational Biology	<ul style="list-style-type: none"> Molecular visualization tools: RasMol, MolMol can be included in Unit IV Multiple sequence alignment – CLUSTAL W can be included in Unit V 	10%
	Elective II: Biomedical Instrumentation	<ul style="list-style-type: none"> Specialized Medical Equipments: X-ray machine, Angiography shall be added in Unit III 	10%
	Core Practical VI	<ul style="list-style-type: none"> No change 	-
	SBC IV: Phytochemistry	<ul style="list-style-type: none"> Commercial applications of plant derived compounds can be included in Unit III, IV and V To improve the student skills. 	40%
	Value added Course: Biochemistry and phenomena of life	<ul style="list-style-type: none"> No Changes. 	-

Percentage of Syllabus revision in the UG Biochemistry Syllabus is 16%

Total percentage of syllabus revision in the year 2018-2021 (UG) – 35%

Total percentage of syllabus revision in the year 2018-2021 (PG) – 30%


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Chairman- BOS

 (Dr. G. Saravanan)
HEAD
 Department of Biochemistry
 K.S.Rangasamy college of Arts & Science
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