

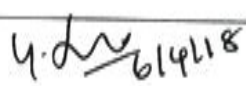
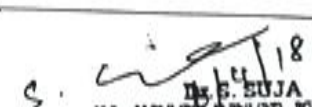
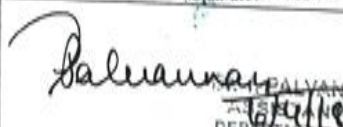
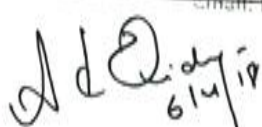
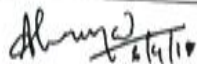
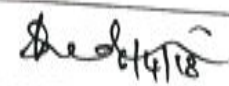
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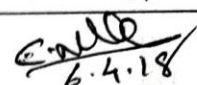
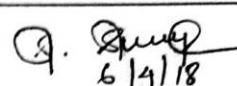

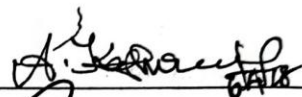
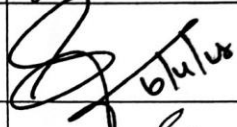

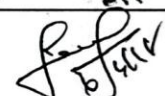
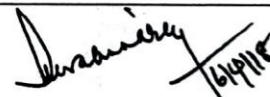
DEPARTMENT OF BIOCHEMISTRY


The Board of Studies for Biochemistry was held on 06.04.2018 at 10.00 AM in the IQAC Hall, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode to approve the syllabus with effect from the academic year 2018-19.

MEMBERS PRESENT

S.No	Name and Designation	Signature with Date
1.	Dr. G.Saravanan Chairman -BoS	 6/4/18
2.	Dr. S.Suja Member- Vice Chancellor	 6/4/18 Dr. S. SUJA M.Sc., M.Phil (BOT), M.Phil (BT), PGDST, Ph.D. Associate Professor and Head Department of Biochemistry Bharathiar University Coimbatore - 641 046 Tamil Nadu, India
3.	Dr.T.Palvannan Member - Academic Council	 6/4/18 DR. T. PALVANNAN, M.Sc., Ph.D., ASSOCIATE PROFESSOR, DEPARTMENT OF BIOCHEMISTRY, PERIYA UNIVERSITY, SALEM-833 011, TN, INDIA. Email: Palv12@yahoo-co.in
4.	Dr.A.K.Vidya Member - Academic Council	 6/4/18
5.	Dr.A.Praveena Member	 6/4/18
6.	Dr.S.Vadivukkarasi Member	 6/4/18


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7.	Ms.S.Arunambiga Member	 6/4/18
8.	Ms.K.Pavithra Member	 6/4/18
9.	Dr.C.Mahendran Member	 6.4.18
10.	Ms.S.Soniya Member	 6/4/18
11.	Mr.A.Balakrishnan Member	 6/4/18
12.	Dr. A.Kathirvel Co-opted member from Chemistry	 6/4/18
13.	Ms.S.Padma Co-opted member from Computer Applications	 6/4/18
14.	Dr. C.S.Sumathi Co-opted member from Microbiology	 6/4/18
15.	Mr. S.Jagadeesan Co-opted member from Mathematics	 6/4/18
16.	Dr.M.Prasanna Rajeshkumar Co-opted member from Biotechnology	 6/4/18



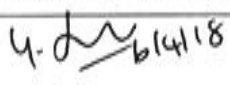

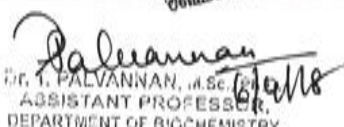
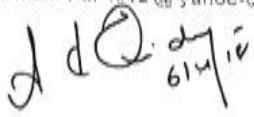
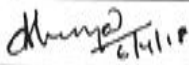
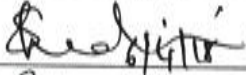
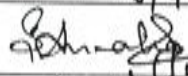
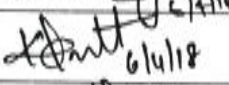
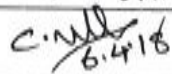
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MINUTES OF BOARD OF STUDIES - Biochemistry

The members of the board unanimously passed the following resolution.

"Resolved that the syllabus for Biochemistry (UG/PG) and Value Education: Environmental Studies (for all First year UG) be approved for adoption with the recommended modifications w.e.f. academic year 2018-19".

Members of the board duly approved the syllabus for Biochemistry.

S.No	Name and Designation	Signature with Date
1.	Dr. G.Saravanan Chairman -BoS	 6/4/18
2.	Dr. S.Suja Member- Vice Chancellor	 6/4/18 M.Sc. M.Phil (C), M.Phil (B), Ph.D., P.D.S. Associate Professor and Head Department of Biochemistry Bharathiar University Coimbatore - 641 045 Tamil Nadu, India
3.	Dr.T.Palvannan Member - Academic Council	 DR. T. PALVANNAN, M.Sc. (B), ASSISTANT PROFESSOR, DEPARTMENT OF BIOCHEMISTRY, PERIYA UNIVERSITY, SALEM-693 011, TN, INDIA. Email: Pal_912@yahoo.com
4.	Dr.A.K.Vidya Member - Academic Council	 6/4/18
5.	Dr.A.Praveena Member	 6/4/18
6.	Dr.S.Vadivukkarasi Member	 6/4/18
7.	Ms.S.Arunabiga Member	 6/4/18
8.	Ms.K.Pavithra Member	 6/4/18
9.	Dr.C.Mahendran Member	 6.4.18



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10.	Ms.S.Soniya Member	<i>S. Soniya</i> 6/4/18
11.	Mr.A.Balakrishnan Member	<i>A. Balakrishnan</i> 6/4/18
12.	Dr. A.Kathirvel Co-opted member from Chemistry	<i>A. Kathirvel</i> 6/4/18
13.	Ms.S.Padma Co-opted member from Computer Applications	<i>S. Padma</i> 6/4/18
14.	Dr. C.S.Sumathi Co-opted member from Microbiology	<i>C.S. Sumathi</i> 6/4/18
15.	Mr. S.Jagadeesan Co-opted member from Mathematics	<i>S. Jagadeesan</i> 6/4/18
16.	Dr.M.Prasanna Rajeshkumar Co-opted member from Biotechnology	<i>M. Prasanna Rajeshkumar</i> 6/4/18

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MODIFICATIONS TO BE MADE

Semester	Subject Name	Modifications	Percentage of Syllabus Revision
UG			
I	Biomolecules	<ul style="list-style-type: none"> In course outcome, oligosaccharides can be used instead of di- and trisaccharides. Myoglobin may be included as example for tertiary structure. Artificial sweeteners and basics of secondary metabolites can be included. 	2%
	Core Practical I: Biomolecules	<ul style="list-style-type: none"> No changes. 	10%
II	Biochemical Techniques	<ul style="list-style-type: none"> Unit V may be shifted as Unit I. Zonal electrophoresis may be removed. Elementary details of HPLC may be added. 	23%
	Core Practical II: Biochemical Techniques	<ul style="list-style-type: none"> No changes. 	-
	Value Education: Environmental Studies (For all UG courses)	<ul style="list-style-type: none"> Disaster management can be included. 	-
	Value Added Course : Biochemistry in day to day life	<ul style="list-style-type: none"> Course name may be changed, Syllabus need revision. 	-
PG			
I	Core I: Chemistry of Biopolymers	<ul style="list-style-type: none"> No changes. 	-
	Core II: Analytical Biochemistry	<ul style="list-style-type: none"> Circular Dichroism can be included in Chromatography. NMR types can be added. 	5%


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	Core III: Enzyme Catalysis and Regulation	<ul style="list-style-type: none"> FAS in Unit IV may be removed. R and T states, K and V series of enzymes can be removed. Isolation and Purification in Unit V may be shifted to Unit I and some contents in Unit I can be reduced. 	-
	Core III: Enzyme Catalysis and Regulation	<ul style="list-style-type: none"> Enzyme applications – Leather, Textile, Food, paper may be given in Unit V. Role of enzymes in clinical diagnosis and therapeutics may be included. 	10%
	Core IV: Molecular Biology	<ul style="list-style-type: none"> No changes. 	-
	Core V: Cellular Biochemistry	<ul style="list-style-type: none"> No changes. 	-
	Core Practical I: Analytical Biochemistry and Molecular Biology	<ul style="list-style-type: none"> No changes. 	-
II	Core VI: Intermediary Metabolism and Regulation	<ul style="list-style-type: none"> Oxidation of Unsaturated Fatty acid can be removed. 	-
	Core VII: Plant Biochemistry	<ul style="list-style-type: none"> No changes. 	-
	Elective I: Recombinant DNA Technology / Food Processing and Quality Control	<ul style="list-style-type: none"> No changes. 	-
	Core Practical II: Plant Biochemistry	<ul style="list-style-type: none"> No changes. 	-

Note – The syllabus revised in this BoS may fulfill the national, international needs of the students.


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IDC Course for PG Microbiology and Biotechnology

	IDC I: Diagnostic Biochemistry	<ul style="list-style-type: none">• No changes.
	IDC Practical I: Diagnostic Biochemistry	<ul style="list-style-type: none">• No changes.

Percentage of Syllabus revision in the UG Biochemistry Syllabus is 12%

Percentage of Syllabus revision in PG Biochemistry Syllabus is 8%


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Chairman- BoS
(Dr.G.Saravanan)

HEAD
Department of Biochemistry
K.S.Rangasamy college of Arts & Science
Tiruchengode - 637 215