

# A Textbook of Biochemistry for Dental Students

## (Contents)

<i>Preface .....</i>	<i>vii</i>
<i>Acknowledgement.....</i>	<i>ix</i>
1. Cell .....	1
2. Plasma Membrane and Transport.....	6
3. Concepts of Biophysics and Acid- Base Balance .....	11
4. Water and Electrolyte Balance .....	18
5. Enzymes .....	23
6. Biological Oxidation .....	34
7. Carbohydrate Chemistry .....	41
8. Lipid Chemistry .....	50
9. Protein and Amino Acid Chemistry .....	59
10. Carbohydrate Metabolism.....	66
11. Lipid Metabolism.....	86
12. Protein Metabolism.....	101
13. Integration of Metabolism.....	118
14. Vitamins .....	126
15. Mineral Metabolism.....	138
16. Heme Metabolism.....	153
17. Nutrition .....	160
18. Nucleic Acid Metabolism.....	174
19. Hormones .....	191
20. Connective Tissue .....	199
21. Muscle Tissue.....	202
22. Nerve Tissue.....	206
23. Detoxification.....	211
24. Immunology .....	215
25. Quality Control .....	223
26. Radio Isotopes.....	226
27. Oxygen Toxicity and Antioxidants.....	229
28. Organ Function Tests .....	232