

LIST OF GRAPHS

	<u>Page</u>
1. Biochemistry of algal-bacterial Symbiosis in high-rate aerobic pond system (Modified after Oswald and Gotaas, 1958)	23
2. Complete or total bacterial oxidation of organic matter (Modified after Porges, 1960)	60
3. Bio-oxidation of sewage organic matter in High-rate aerobic oxidation ponds using <u>Oscillatoria</u> Spp. and <u>Anacystis nidulans</u>	76
4. Bacterial oxidation of organic matter using <u>Oscillatoria</u> Spp....	77
5. Total Bio-oxidation of organic matter using <u>Oscillatoria</u> Spp....	77
6. Bacterial oxidation of organic matter using <u>Anacystis nidulans</u>	77
7. Total Bio-oxidation of organic matter using <u>Anacystis nidulans</u>	77
8. Different phases of Bacterial oxidation in High-rate aerobic oxidation pond	82
9. Bio-chemistry of algal-bacterial symbiosis in High-rate aerobic pond system (Modified after Stumm, 1968)...	110
10. Algal-bacterial Symbiosis in Baroda Raw Sewage with <u>Oscillatoria</u> Spp...	112

XII

	<u>Page</u>
11. Algal-bacterial Symbiosis in Baroda Raw Sewage with <u>Anacystis nidulans</u>	112
12. Free Sugar used and remaining in the experiment with <u>Scenedesmus obliquus</u>	116
13. Total sugar used and remaining in the experiment with <u>Scenedesmus obliquus</u>	116
14. Protein used and remaining in the experiment with <u>Scenedesmus obliquus</u>	116
15. Amino-acid Nitrogen used and remaining in the experiment with <u>Scenedesmus obliquus</u>	116
16. Volatile acid used and remaining in the experiment with <u>Scenedesmus obliquus</u>	116
17. High-rate aerobic pond	138
18. High-Rate Aerobic Pond for Algal Production	142
19. Animal products production complex using High-rate Oxidation ponds and closed cycle conversion of organic wastes	144

