

Contents

1	Algal Adaptation to Stress — Some General Remarks <i>G.E. Fogg</i>	1
2	Carbon Limitation..... <i>L. Axelsson, S. Beer</i>	21
3	Nitrogen Limitation..... <i>R. M. Shehawy, D. Kleiner</i>	45
4	Phosphate Limitation..... <i>F. Wagner, G. Falkner</i>	65
5	Trace Metal Constraints on Carbon, Nitrogen and Phosphorus Acquisition and Assimilation by Phytoplankton..... <i>R.M.L. McKay, M.R. Twiss, C. Nalewajko</i>	111
6	Acclimation of Photosynthetic Light Energy Conversion to the Light Environments..... <i>Y. Fujita, K. Ohki, A. Murakami</i>	135
7	Adaptation to UV Stress in Algae..... <i>D.-P. Hader</i>	173
8	Temperature Stress and Basic Bioenergetic Strategies for Stress Defence..... <i>G.A. Peschek, R. Zoder</i>	203
9	Acidophilic and Acidotolerant Algae..... <i>H. Gimmier</i>	259
10	Alkaliphilic and Alkali Tolerant Algae..... <i>H. Gimmier, B. Degenhardt</i>	291

11 Salt Acclimation of Algae and Cyanobacteria: AComparison..... <i>N. Erdmann, M. Hagemann</i>	323
12 Heavy Metal Tolerance in Algae..... <i>J.P. Gaur.L.CRai</i>	363
13 Eukaryotic Algae, Cyanobacteria and Pesticides	389
<i>F. Koenig</i>	
Index.....	407