

Contents

Preface		vii
Chapter I	Phytoplankton Productivity in a Changing Global Climate <i>Richa, Rajeshwar P. Sinha and Donat-P. Häder</i>	1
Chapter II	Associations between Climate, Water Environment and Phytoplankton Production in African Lakes <i>Mzime Regina Ndebele-Murisa</i>	37
Chapter III	Small- and Large-Celled Phytoplankton during a Strong Disturbance Period <i>Yury Kamenir</i>	63
Chapter IV	Phytoplankton Ecological Interactions in Freshwater Ecosystems - Integrating Relationships in Subtropical Shallow Lakes <i>Ng Haig They, David da Motta Marques, Luciane Oliveira Crossetti, Vanessa Becker, Eliete Canterle, Lúcia Ribeiro Rodrigues, Luciana de Souza Cardoso and Carlos Ruberto Fragoso Júnior</i>	73
Chapter V	Composition and Dynamics of Phytoplanktonic Communities in 3 Large and Deep Western European Lakes: An Outline of the Evolution from 2004 to 2012 <i>Stéphan Jacquet, Frédéric Rimet and Jean-Claude Druart</i>	131
Chapter VI	The Phytoplankton Role in Formation of Bottom Sediment Productivity in a Large Reservoir in the Years with Different Temperature Conditions <i>L. E. Sigareva and N. A. Timofeeva</i>	151
Chapter VII	Eutrophication in the European Regional Seas: A Review on Impacts, Assessment and Policy <i>Michael Karydis and Dimitra Kitsiou</i>	167

Chapter VIII	Use of Aquatic Microcosm Systems in Phytoplankton Ecology Studies: Objectives, Limitations and Applications	245
	<i>Michael Karydis</i>	
Chapter IX	Toxicity of <i>Sarpa salpa</i>, as Related to Phytoplankton Consumption	277
	<i>Khaled Bellassoued</i>	
Chapter X	Tannin-Based Coagulants in the Control of Algae Proliferation: New Perspectives of Consumption-Water Treatment	295
	<i>J. Beltrán-Heredia, J. Sánchez-Martín, A. Pizarro-Rebollo, J. Martín-Gallardo and M. Barrado-Moreno</i>	
Chapter XI	Algae Removal with Natural Coagulants: The Case of <i>Moringa oleifera</i> Seed Extract	313
	<i>J. Sánchez-Martín, J. Beltrán-Heredia, A. Pizarro-Rebollo, M.M. Barrado-Moreno and J. Martín-Gallardo</i>	
Index		333