

Contents

Contributors ix

Abbreviations xiii

Preface xv

1. Freshwater Biodiversity: Importance, Threats, and Management 1
Gyanendra Kumar and Uzma Afaq

2. Freshwater Biodiversity: Advances and Challenges 21
Sumaya Hassan, Mahroofa Jan, and Asmat Ara

3. Diversity and Management of Freshwater Macrophytes in the Kashmir Himalayas 39
Nafeesa Farooq Khan and Zafar A. Reshi

4. Genus Schizothorax in the Northwestern Himalayas 69
Uzma Naseer, Ibraq Khurshid, and Musheerul Hassan

5. Influence of Catchment on Freshwater Biodiversity 93
Lone Rafiya Majeed, Sumaira Rashid, Heena Nisar Pahlavi, and Bisma Nisar

6. Pesticide Pollution in Freshwater Environs: Impacts on Aquatic and Terrestrial Life 105
Zia Ur Rahman Farooqi, Muhammad Saad Bin Zafar, Moaz Khursheed, Muhammad Usama Raheem, Nouman Gulzar, and Predrag Ilic

7. Developmental Activities and Freshwater Biodiversity 133
Ruquia Gulzar, Tabasum Hassan, and Aadil Gulzar

8. Global Climate Change and Freshwater Biodiversity 147
Sami Ullah Qadir, Vaseem Raja, Naseer Ahmad Dar, and Sayar Yaseen Wani

9. Phytoremediation Potential of *Spirodela polyrhiza* for Cd and Cr Under Hydroponic Culture 183
Rifat Ara Wani, Bashir Ahmad Ganaie, and Manzoor Ahmad Shah

10. Factors Affecting Habitat Selection of Freshwater Fishes of Sri Lanka: A Review	201
Sudesh Batuwita, Sampath Udugampala, and Udeni Edirisinghe	
11. Freshwater Biodiversity: Indicators of Eutrophication and Pollution.....	263
Mahroofa Jan, Sumaya Hassan, and Asmat Ara	
12. Conservation of Biodiversity and Freshwater Ecosystems	285
Gresh Chander, Sonali Verma, Ruchi Shah, and Rakesh Kumar	
<i>Index.....</i>	<i>301</i>