1. Record Nr. UNINA9910583098003321 Autore Wu Yonghong **Titolo** Periphyton: functions and application in environmental remediation // Yonghong Wu, Institute of Soil Science, Chinese Academy of Sciences, Nanjin, China Amsterdam:,: Elsevier,, [2017] Pubbl/distr/stampa ©2017 **ISBN** 0-12-801323-0 Descrizione fisica 1 online resource (436 p.) Soggetti Periphyton Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover; Periphyton; Periphyton: Functions and Application in Environmental Remediation: Copyright: Contents: List of Figures: List of Tables: Author's Biography: Preface: REFERENCES: Acknowledgments: Table of Abbreviations: 1 - Periphyton and Its Study Methods: 1.1 INTRODUCTION: 1.2 DEFINITION OF PERIPHYTON: 1.3 EFFECTS ON WATER ECOLOGY; 1.4 COLONIZATION OF PERIPHYTON; 1.4.1 Phase 1 (Surface Conditioning); 1.4.2 Phase 2 (Primary Colonization); 1.4.3 Phase 3 (Secondary Colonization); 1.4.4 Phase 4 (Tertiary Colonization); 1.5 COMPOSITION OF PERIPHYTON: 1.5.1 Taxonomic Composition 1.5.2 Nutrient Composition 1.6 THE TYPES AND STRUCTURE OF PERIPHYTON; 1.6.1 On the Basis of Substrate Type; 1.6.2 On the Basis of Method of Contact With the Substrate; 1.6.3 On the Basis of Photosynthetic Ability; 1.6.4 Periphyton Structure; 1.7 THE DISTRIBUTION OF PERIPHYTON AND ITS ROLE IN ENVIRONMENTS; 1.8 GROWTH AND PRODUCTIVITY; 1.9 THE STUDY METHODS OF PERIPHYTON; 1.9.1 Sample Collection; 1.9.1.1 Natural Substrates; 1.9.1.2 Artificial Substrates; 1.9.2 Analysis of Water; 1.9.3 Determination of Biomass and Productivity; 1.9.4 Taxonomic Analysis; 1.9.4.1 Microscopic Examination

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