1. Record Nr. UNINA9910843798103321 Autore Ravishankar Gokare A Titolo Algae Mediated Bioremediation: Industrial Prospectives, 2 Volumes Pubbl/distr/stampa Newark:,: John Wiley & Sons, Incorporated,, 2024 ©2024 **ISBN** 3-527-84335-3 3-527-84334-5 3-527-84336-1 Edizione [1st ed.] Descrizione fisica 1 online resource (810 pages) Altri autori (Persone) RaoAmbati Ranga KimSe-Kwon Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Cover -- Title Page -- Copyright -- Contents -- About the Editors --Foreword -- Preface -- Acknowledgment -- Part I Phycoremediation Strategies -- Chapter 1 Microalgal Process Technologies for Removal of High Load of Pollutants from Wastewater -- 1.1 Introduction -- 1.2 Microalgal Cultivation Techniques -- 1.2.1 Open System -- 1.2.2 Closed System -- 1.3 Microalgal Wastewater Remediation -- 1.3.1 Heavy Metals Removal -- 1.3.2 Phosphates and Nitrates Removal --1.3.3 Organic Compounds Removal -- 1.4 MicroalgalBased Hybrid Systems For Wastewater Treatment -- 1.4.1 Nanomaterials -- 1.4.2 Activated Carbon -- 1.4.3 Polymers -- 1.5 Microalgae Consortium --1.6 Future Perspectives -- 1.7 Conclusion -- References -- Chapter 2 Synergistic Bacteria-Algae Efficiency in Remediation of Heavy Metals in

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