Record Nr. UNINA9910506376603321 Microbial communities and their interactions in the extreme **Titolo** environment / / Dilfuza Egamberdieva [and three others], editors Pubbl/distr/stampa Gateway East, Singapore:,: Springer,, [2021] ©2021 **ISBN** 981-16-3731-8 Descrizione fisica 1 online resource (348 pages) Collana Microorganisms for sustainability;; Volume 32 Disciplina 578.758 Soggetti Extreme environments - Microbiology Microbial ecology Biotechnology - Environmental aspect Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. Intro -- Foreword -- Contents -- About the Series Editor -- About the Nota di contenuto Editors -- Chapter 1: Extremophiles in Saline Environment: Potential for Sustainable Agriculture -- 1.1 Introduction -- 1.2 Microbial Diversity Under Saline and Drought Conditions -- 1.3 Plant Growth Promotion and Stress Tolerance -- 1.4 Mechanisms of Plant Growth Stimulation --1.5 Conclusion -- References -- Chapter 2: Insights into the Microbial Diversity in Saline-Alkaline Soils of China -- 2.1 Introduction -- 2.2 The Characteristics and Distribution of Saline Soils in China -- 2.2.1 Distribution of Saline-Alkali Soil in Northwest China -- 2.2.2 Distribution of Saline-Alkali Soil in Northeast China -- 2.3 Culture-Independent Microbial Diversity and Its Related Influencing Factors in Saline Soils -- 2.3.1 Bacterial Diversity in Saline-Alkali Soil of Northeast China -- 2.3.2 Arbuscular Mycorrhizal Fungal Diversity in Saline-Alkali Soil of Northeast China -- 2.3.3 Archaeal Diversity in Saline-Alkali Soil

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