1. Record Nr. UNINA9910392718903321 Autore Li Mingxiao Titolo Differentiated Resourceful Utilization of Rural Organic Wastes / / by Mingxiao Li, Xuan Jia, Beidou Xi, Jiaqi Hou, Dongming Liu, Yan Hao Singapore:,: Springer Singapore:,: Imprint: Springer,, 2020 Pubbl/distr/stampa 981-15-2712-1 **ISBN** Edizione [1st ed. 2020.] 1 online resource (XII, 138 p. 67 illus., 53 illus. in color.) Descrizione fisica Disciplina 363.7288 Soggetti Environmental engineering Biotechnology Waste management Renewable energy resources Environmental Engineering/Biotechnology Waste Management/Waste Technology Renewable and Green Energy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction -- High-efficient anaerobic fermentation technology of organic wastes in villages and towns -- Bio-augmented composting of organic wastes in villages and towns -- Development of the standard system for differentiated resourceful utilisation of organic wastes in villages and towns -- Engineering application cases -- Conclusions. Sommario/riassunto This book systematically introduces the key technologies for differentiated resourceful utilization of rural organic wastes based on high-efficiency anaerobic fermentation and bio-augmented composting, and discusses differentiating sources of organic wastes, integrating recycling technologies, developing key equipment, and researching management mechanisms. In addition, it describes the development of viable techniques and low-pollution, low-cost, and low-maintenance equipment. It also includes the technical specifications for the differentiated resourceful utilization of rural organic wastes and presents the energy-fertilizer integrated

resourceful utilization method for rural organic wastes. Providing technological insights into improving the resourceful utilization level of

rural organic wastes, this book is a valuable reference resource for administrative staff, researchers in the field of environmental protection, and technicians in enterprises involved in the treatment and disposal of solid wastes.