1. Record Nr. UNINA9910830609103321 Autore Amador Jose A. Titolo Soil-based Wastewater Treatment / / Jose A. Amador, George W. Loomis Madison:,: John Wiley & Sons, Inc.,, 2020 Pubbl/distr/stampa **ISBN** 0-89118-969-6 Edizione [First edition.] Descrizione fisica 1 online resource (328 pages) Disciplina 628.742 Soggetti Sewage disposal, Rural Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction -- Wastewater Treatment Technologies -- Characteristics of Wastewater -- The Soil Environment -- Water in the Soil Treatment Area -- Transformations of Carbon, Nitrogen, and Phosphorus --Removal and Inactivation of Pathogens -- Fate of Emerging Pollutants -- Impact on the Environment -- The Future of Soil-based Wastewater Treatment. Sommario/riassunto "Our book addresses the needs of practitioners, engineers, scientists, regulators, resource managers, planners, and others with a need to know about septic systems. It arose after discussions about the need for a text that integrated current understanding of the hydrologic, physical, chemical, and biological processes involved in the treatment of wastewater using soil. In our experience, people working with septic systems - ourselves included - have a fragmented understanding of what these systems are, how they function, how wastewater moves through soil, how and which pollutants are removed, and how these systems impact the environment and public health. The relevant information is scattered across disciplines, information sources and audiences. This book is an attempt to collect and integrate this information in one place, and provide a scientific framework for

understanding soil-based wastewater treatment."--ACSESS Digital

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