Record Nr. UNINA9910725100403321 Autore Koval Viktor Titolo Circular Economy for Renewable Energy / / edited by Viktor Koval, Piotr Olczak Cham:,: Springer Nature Switzerland:,: Imprint: Springer,, 2023 Pubbl/distr/stampa **ISBN** 9783031308000 9783031307997 Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (168 pages) Collana Green Energy and Technology, , 1865-3537 Altri autori (Persone) OlczakPiotr Disciplina 333.794 Soggetti Renewable energy sources Power resources Sustainability Industrial engineering Production engineering Production management Renewable Energy Natural Resource and Energy Economics Industrial and Production Engineering Production Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Sustainable Supply Chain in a Circular Economy -- Sustainability in Renewable Energy Industry -- Circular Economy Models for Renewable Energy Production -- Renewable Energy Consumption and Economic Efficiency -- Sustainable Energy Policy and Strategies. This book explores the role of renewable energy sources in driving Sommario/riassunto sustainable development, with a focus on their circular use in achieving environmental efficiency and an energy balance. The authors highlights the significance of renewable energy in reducing costs for producers and consumers while also ensuring the production of clean energy that can be integrated seamlessly into the national power grid without

> compromising reliability or energy security. Readers are introduced to the circular economy model and its importance in the context of

renewable energy. The book sheds light on the challenges associated with transitioning to alternative energy systems, particularly in cases where not all resources can be fully circulated. Through the research presented in this book, stakeholders will gain insights into how the sustainable renewable energy supply chain can be adapted within the circular economy. This will have a synergistic effect in reducing carbon emissions, and also aid in the production of renewable energy equipment.