1. Record Nr. UNINA9910878976603321 Autore Kasinathan Kaviyarasu **Titolo** New Technologies for Energy Transition Based on Sustainable Development Goals: Factors Contributing to Global Warming / / edited by Kaviyarasu Kasinathan, Rasiah Ladchumananandasivam, S. Beer Mohamed Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2024 Pubbl/distr/stampa **ISBN** 9789819725274 9789819725267 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (547 pages) Altri autori (Persone) LadchumananandasivamRasiah MohamedS. Beer Disciplina 660 628 Soggetti Chemical engineering Environmental engineering Biochemical engineering Biotechnology Bioremediation Sustainability Electric power distribution Engineering design **Environmental Process Engineering** Bioprocess Engineering Environmental Engineering/Biotechnology **Energy Grids and Networks Engineering Design** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto 1. Pioneering Role of Two-Dimensional Materials in Revolutionizing Biomedical Sensing -- 2. An overview of drug delivery for wellbeing based on polysaccharides -- 3. Advanced nanomaterials, medical materials, and nanotechnology for the improved patient care -- 4.

Sommario/riassunto

Electroanalysis and sensors for biomedical and clinical applications -- 5. Biomedical applications of nanocellulose-based biomaterials: recent advancements.

This book describes numerous issues and brings an improved understanding of a key agenda item for the sustainable development goals (SDGs). The SDGs represent an urgent call for action by all countries, developed and developing, working jointly within the global community. A few of the industries it supports include food processing, energy, biomedical science, space research, drug delivery, and biosensors. This book highlights multidisciplinary solutions for protecting the environment while ensuring the future of our planet. The book mainly targets undergraduates, postgraduates, and doctoral students who are working in materials science and researchers across the world working in interdisciplinary research for climate change for sustainable growth.