1. Record Nr. UNISA990003201480203316

Autore	SCHAPER, Edzard
Titolo	Der letzte Advent / Edzard Schaper
Pubbl/distr/stampa	Zurich : Atlantis, copyr. 1949
Descrizione fisica	329 p. ; 23 cm
Disciplina	833.914
Soggetti	Narrativa tedesca
Collocazione	II.3.A.424
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNIORUON00396541

Autore	HANNAH, Herbert Bruce
Titolo	Grammar of the Tibetan Language : Literary and colloquial with copious illustrations, and treating fully of spelling, pronunciation, and the construction of the verb, and including appendices of the various forms of the verb / by Herbert Bruce Hannah
Pubbl/distr/stampa	Calcutta, : printed at the Baptist Mission Press, 1912
Descrizione fisica	396 p. ; 25 cm.
Classificazione	TIB II B
Soggetti	Lingua tibetana - Grammatiche
Lingua di pubblicazione	Tibetano Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNINA9910731480203321

Autore	Mohd Zaini Makhtar Muaz
Titolo	Microbial Fuel Cell (MFC) Applications for Sludge Valorization / / edited by Muaz Mohd Zaini Makhtar, Hafiza Shukor, Abu Zahrim Yaser
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9910-83-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (266 pages)
Collana	Green Energy and Technology, , 1865-3537
Altri autori (Persone)	Hafiza Shukor Abu Zahrim Yaser
Disciplina	620.1
Soggetti	Materials Catalysis Force and energy Green chemistry Bioremediation Renewable energy sources Sustainability Refuse and refuse disposal Materials for Energy and Catalysis Green Chemistry Environmental Biotechnology Renewable Energy Waste Management/Waste Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Overview of Biosolid in Waste Treatment Plant -- Chapter 2: An Insight of Component and Typical Mechanism of Sludge Degrader Microbes in Dewatered Sludge -- Chapter 3: Microbial fuel cell as Advance technology for sludge treatment -- Chapter 4: Assessment of MFC-based sludge performance via Electrochemical Impedance Spectroscopy (EIS) -- Chapter 5: Utilization of Electrogenic bacteria (EB) consortium for sludge treatment via organic compound degradation -- Chapter 6: Sludge Particle Surface Interactions: Technology and Purification Approaches -- Chapter 7: Potential biodegradable product

from dewatered sludge -- Chapter 8: Antimicrobial-Resistant Microorganisms and the Possibility of Using Microbial Fuel Cell Technology to Reduce their Transmission in the Environment -- Chapter 9: Effects of treated and untreated sludge applications on human health, the environment and other ecological factors -- Chapter 10: Designing an MFC-ForEnVyEnt for school pupils' awareness, knowledge, affect and participation -- Chapter 11: MFC Innovation in wastewater treatment plant: Economic perspectives -- Chapter 12: Microbial Fuel Cells (MFC) As an Alternative Energy Source: The Perceptions and Attitudes Towards Sustainable and Renewable Energy in Malaysia -- Chapter 13: The way forward. .

Sommario/riassunto

This book highlights current efforts and research (in Malaysia) on Microbial Fuel Cell (MFC) approach as a core technique for sludge treatment and energy recovery. It also includes health and socioeconomic perspectives used in this approach. The book begins with an overview of sludge in waste treatment plants and the efficient generation of renewable energy through dewatered sludge bioconversion via MFC. It presents the use of Electrogenic Bacteria (EB) for accelerating the hydrolysis treatment of sludge and the determination of metabolites produced in the process. The book highlights new achievements in the purification of sludge through rubber band technology and further treatment. It discusses the recovery of beneficial biodegradable polymer compounds that are added value for the plastic industry and presents safety issues of sludge on human health. Further, it presents a case study on the MFC project for STEM (Science, Technology, Engineering, and Mathematics) education, and includes the economic perspective of innovation in energy. The book ends with various ways forward toward improving renewable energy production and clean waste treatment.