1. Record Nr.   UNINA9910624317303321

   Titolo   Sustainable Technologies for the Oil Palm Industry : Latest Advances
                        and Case Studies / / edited by Dominic C.Y. Foo, Mustafa Kamal Tun
                        Abdul Aziz, Suzana Yusup

   Pubbl/distr/stampa   Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023

   ISBN   981-19-4847-X

   Edizione   [1st ed. 2023.]

   Descrizione fisica   1 online resource (383 pages)

   Disciplina   660.63

   Soggetti   Green chemistry
                        Biochemical engineering
                        Refuse and refuse disposal
                        Plant biotechnology
                        Green Chemistry
                        Bioprocess Engineering
                        Waste Management/Waste Technology
                        Plant Biotechnology

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   "Green mills" for Sustainable Development in Palm Oil Mills --
                        Simulation of Palm Oil Milling Processes -- Advances for the Treatment
                        of Palm Oil Mill Effluent (POME) -- Integrated Anaerobic-Aerobic
                        Bioreactor (IAAB) for Palm Oil Mill Effluent (POME) Treatment and Biogas
                        Generation -- Sustainable Practices of an Edible Oils Refining Complex
                        -- Principal Formation and Mitigation Strategies for 3-MCPDE in Palm
                        Oil Processing -- Lessons Learnt from Biomass-Fueled Power Plant --
                        Stocastic Modeling for Biomass Supply Chain Modelling -- Extraction of
                        Nanocellulose from Empty Fruit Bunch -- Life Cycle Assessment for
                        Nanolignin Synthesized from Empty Fruit Bunch and Birch Chips.

   Sommario/riassunto   This book reports the latest research and successful industrial case
                        studies on sustainable technologies in the oil palm industry, ranging
                        from plantation, processing to waste handling. It covers the latest
                        developments on harvesting, refining, nanomaterial production,
                        aviation biofuel, biomass supply chain and waste treatment and

handling. This book is a continuation of a previously published Springer book 'Green Technologies for the Oil Palm Industry' and is intended for industrial practitioners and academics interested in sustainable technologies for palm oil milling processes.