

The book as been design for Engineers, Environmentalist, Technologists, process analyst and potential entrepreneurs who wish to apply biochar technology as geotechnical solution to carbon sequestration. The book skilfully blend critical thinking with engineering practice to provide step by step procedure in biochar production, characterisation, life cycle assessment and as well as applications of biochar production system in carbon sequestration, soil amendment, and energy generation. Chapter 1 provides a general overview on the biochar production technology while chapter 2 presents the literature review on the same subject. Techniques used for the production, characterisation, and testing of the biochar were described in chapter 3. Characteristics of the selected biomass used for biochar production are discussed in chapter four while the effect of the some process parameters were discussed in chapter 5. Chapter six discussed pyrolysis product distribution, while kinetic and a mechanism of interaction between the various biomasses is discussed in chapter seven. Life cycle assessment of biochar production system and its application is presented in chapter eight.

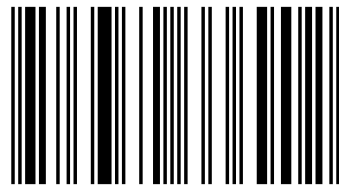


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# Biochar for Combined Carbon Sequestration and Bio Oil Generation



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