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Nota di contenuto	Chapter 1. Application of FACTS Devices for Transient Stability Enhancement in the Adama II Grid-Connected Wind Farm -- Chapter 2. Development of an interpretable deep learning system for the identification of patients with Alzheimer's disease -- Chapter 3. Digital Clinical Decision Support System for Screening of Eye Diseases -- Chapter 4. EVALUATON OF THREE IRRIGATION MANAGEMENT TOOLS FOR IMPROVING CROP AND WATER PRODUCTIVITY OF WHEAT (Triticum aestivum) IN KOGA IRRIGATION SCHEME -- Chapter 5. Design and

Numerical Analysis of Sorghum Reaper Machine -- Chapter 6. Effects of initial moisture content and storage duration on physical and chemical characteristics of stored maize (*Zea mays* L.) grain -- Chapter 7. Experimental analysis of the effect of exposure of an Electro-Optic system to external Magnetic field -- Chapter 8. Identification of Dominant Lactic Acid Bacteria and Yeast Species from Teff Injera Dough Fermentation -- Chapter 9. Performance Evaluation of Grain Pro Collapsible Natural Convection Solar dryer for Maize Grain Drying in Ethiopia -- Chapter 10. Quality Assurance Management Practices in Public Building Construction Projects (The Case of Bahir Dar City) -- Chapter 11. Review on Water Automatic Teller Machine (Water ATM) Technologies -- Chapter 12. Yeast Bioremediation of Cr (VI) from Tannery Wastewater -- Chapter 13. Formulation and Characterization of Ink from the Milky Fluid of *Ficus Vasta* and *Euphorbia Abyssinica* -- Chapter 14. Assessment of the causes of Non-Revenue Water in Urban Water Distribution Systems: The case of Bahir Dar City, Ethiopia -- Chapter 15. Characteristics of supply chain integration of manufacturing firms in Ethiopia -- Chapter 16. Effect of threshing and storage conditions on mold contamination of stored maize grain (*Zea mays* L.) -- Chapter 17. Formulation and Evaluation of Firefly and Artificial Bee Colony Algorithms for Maximum Power Extraction of Photovoltaic Systems under Partial Shade -- Chapter 18. Impact of Parametric Uncertainties on the Steady State Performances of DFIG-based WECS -- Chapter 19. Participatory Evaluation and Demonstration of Hand Maize Sheller.

Sommario/riassunto

This book presents current research on sustainable development issues and recent manufacturing and process engineering advances. Topics covered range from postharvest technologies to sustainable utilization of natural resources and supply chain integration to the design of renewable energy systems. The book provides researchers, engineers, industry professionals, graduate students, and practitioners with state-of-the-art research on the efforts being made toward sustainability in developing countries. Covers current basic research on sustainability in manufacturing and process engineering; Relevant for researchers, academics, students, and professionals; Includes selected papers from 10th EAI International Conference on Advancements of Science and Technology.
