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Nota di contenuto	Intro -- Preface -- Conference Organization -- Contents - Part I -- Contents - Part II -- Chemical, Food and Bioprocess Engineering -- Synthesis, Optimization and Characterization of Pulp from Banana Pseudo Stem for Paper Making via Soda Anthraquinone Pulping Process -- Abstract -- 1 Introduction -- 2 Materials and Methods -- 3 Results and Discussion -- 3.1 Proximate and Chemical Compositions Analysis -- 3.2 Analyses of Pseudo Stem Fiber Morphology -- 3.3 Pulp Yield and Kappa Number -- 3.4 Process Parameters Investigation on Pulp Yield and Kappa Number -- 3.5 FTIR Analysis of Pseudo Stem and Pulp -- 3.6 Sheet Making and Testing -- 4 Conclusions -- References -- Effect of Toasting and Natural Fermentation on the Phytochemical and Functional Properties of Oats Grown in Ethiopia -- Abstract -- 1

Introduction -- 2 Materials and Methods -- 2.1 Sample Collection --
 2.2 Sample Preparation -- 2.3 Determination of Phytochemicals -- 2.4
 Determination of Functional Properties -- 2.5 Experimental Design and
 Statistical Analysis -- 3 Results and Discussion -- 3.1 Effect of
 Toasting and Fermentation on Phytochemicals -- 3.2 Effect of Toasting
 and Fermentation on Functional Properties -- 3.3 Correlation Between
 Phytochemicals and DPPH Antioxidant Activity of Oats -- 4 Conclusions
 -- Acknowledgments -- References -- Correlation of UV Assisted
 Fenton Process and Fenton Process for Removal of Reactive Red 2(RR2)
 Dye Color from Wastewater -- Abstract -- 1 Introduction -- 1.1 Fenton
 Process -- 1.2 Photo-Fenton and Related Processes -- 2 Methodology
 -- 2.1 Chemicals and Equipment's -- 2.2 Preparation of Stock Solution
 -- 2.3 Experimental Design and Description -- 2.4 Preparation of
 Standard Solution -- 3 Results and Discussions -- 3.1 Effect of H₂O₂
 Concentration -- 3.2 Effect of Ferrous Ion (Fe²⁺) Concentration -- 3.3
 Effect of RR2 Initial Concentration.
 4 Conclusions and Recommendations -- 4.1 Conclusions -- 4.2
 Recommendation -- References -- Isolation and Characterization of
 Microcrystalline Cellulose from Eragrostis Teff Straw -- Abstract -- 1
 Introduction -- 2 Materials and Methods -- 2.1 Proximate and
 Chemical Composition Analysis of Raw Material -- 2.2 Extraction of
 Cellulose -- 2.3 Isolation of Microcrystalline Cellulose -- 2.4
 Characterization of Cellulose Microcrystalline -- 2.4.1 Yield
 Determination -- 2.4.2 PH Determination -- 2.4.3 Particle Size Analysis
 -- 2.4.4 Determination of Water-Soluble Substance -- 2.4.5
 Determination of Hydration Capacity -- 2.4.6 Moisture Sorption
 Capacity -- 2.4.7 Loss on Drying -- 2.4.8 Functional Group Analysis --
 2.4.9 Crystallinity Analysis -- 2.4.10 Thermogravimetry Analysis -- 3
 Result and Discussion -- 3.1 Proximate and Chemical Composition
 Analysis -- 3.2 Characterization of Cellulose Microcrystalline -- 3.2.1
 Functional Group Analysis -- 3.2.2 Crystallinity Index Analysis -- 3.2.3
 Thermogravimetry Analysis -- 4 Conclusion -- References -- Process
 Revamping of H₂SO₄ Plant to Double Contact Double Absorption
 (DCDA) Using ASPEN HYSYS to Reduce SO₂ Emission: Case of Awash
 Melkassa Sulfuric Acid Factory -- Abstract -- 1 Introduction -- 2
 Methodology -- 2.1 Materials -- 2.2 The Proposed Intermediate
 Absorption -- 2.3 Reactions Package -- 2.4 Fluid Package -- 2.5
 Simulation of Feed Conditions -- 3 Result and Discussion -- 3.1
 Column Design Analysis -- 3.2 Effect of Inlet Temperature on SO₃
 Absorption -- 3.3 The Effect of Different Types of Recycles Setup --
 3.4 Effect of Split Ratio on the Amount of SO₂ -- 3.5 Trade-off
 Between Emission Reduction and Utility Consumption -- 4 Conclusion
 -- References -- Effect of Blend Ratio on Physico-Mechanical Properties
 of Agro Stone Composite Caulking Materials -- Abstract -- 1
 Introduction -- 2 Materials and Method.
 2.1 Materials -- 2.2 Fabrication of Mold -- 2.3 Sample Preparation --
 2.4 Setting Times Determination -- 2.4.1 Initial Setting Time
 Determined by the Penetration Depth -- 2.4.2 Final Setting Time -- 2.5
 Water Absorption Test -- 2.6 Specific Gravity -- 2.7 Mechanical
 Properties -- 2.7.1 Compressive Strength Test -- 2.7.2 Flexural
 Strength Test -- 2.7.3 Tensile Strength Test -- 2.8 Determination of
 Free Chlorine -- 3 Results and Discussion -- 3.1 Magnesium Chloride
 Solution Specific Gravity -- 3.2 Water Absorption -- 3.3 Mechanical
 Properties -- 3.3.1 Compressive Strength -- 3.3.2 Flexural Strength --
 3.3.3 Tensile Strength Test -- 3.4 Results of Free Chloride in Caulking
 Material -- 4 Conclusion -- 5 Recommendation -- Acknowledgment --
 References -- Assessment of Nutrients and Heavy Metals in the
 Groundwater and Surface Water in the Zeber Watershed: The Case of

the Bahir - Dar City Waste Disposal Site -- Abstract -- 1 Introduction -- 1.1 A Subsection Sample -- 2 Methodology -- 2.1 Descriptions of the Study Area -- 2.2 Sample Collection, Preservation and Laboratory Analyses -- 3 Results and Discussions -- 3.1 Spatial and Temporal Variations in the Nutrients and Microbiological Parameters of Surface Water -- 3.2 Spatial and Temporal Variations in the Levels of Heavy Metals in Surface Water -- 3.3 Spatial and Temporal Variation in the Estimations of Nutrients and Microbiological Parameters of Groundwater Quality -- 3.4 Concentrations of Heavy Metals in Groundwater -- 4 A Comparison of the Effect of the Open Dump Site on Surface Water and Groundwater Quality in the Zeber Watershed -- 5 Conclusion -- Acknowledgments -- References -- Manufacturing of Tiles from Kieselguhr Sludge /Diatomaceous Earth/ -- Abstract -- 1 Introduction -- 2 Methodology -- 3 Characterizations of the Produced Floor Tiles -- 4 Results and Discussion -- 5 Conclusion. Acknowledgments -- References -- Electrical and Electronics Engineering -- Optimal Transmit Antenna Selection for Massive MIMO Systems -- 1 Introduction -- 2 System Description -- 2.1 System Model -- 2.2 Mobile Location Positioning -- 2.3 Close-In(CI) Path Loss Model -- 2.4 Trilateration Based Antenna Selection -- 3 Sum Rate Evaluation -- 3.1 Dirty Paper Coding Sum Capacity(CDPC) -- 3.2 Zero Forcing Sum Capacity(CZF) -- 4 Energy Efficiency Evaluation -- 5 Results and Discussion -- 6 Conclusions -- References -- Design and Performance Analysis of Enhanced Directional MAC Protocols for Cognitive Radio Wireless Mesh Networks -- Abstract -- 1 Introduction -- 2 Directional MAC Protocol for CRWMNs -- 3 Design and Performance Analysis of Directional CSMA/CA MAC Protocol for CRN (DCR-MAC) -- 3.1 Transmitter Blocking (E1) -- 3.2 Directional Transmission Collision Between SUs (E2) -- 3.3 Collision of SU's Directional RTS with PU Transmission (Receiver Blocking) - (E3) -- 3.4 Receiver Already in Communication (E4) -- 3.5 Successful Directional Transmission (E5) -- 3.6 Idle Channel Detection (E6) -- 3.7 Only PU's Signal Detection (E7) -- 3.8 Only SU's Signal Detection (E8) -- 3.9 Detection of Both PU and SU Signal (E9) -- 4 Throughput for DCR-MAC Protocol -- 5 Simulation and Discussion -- 6 Conclusion -- References -- Performance Analysis of Hybrid Beamforming Techniques in Large MU MIMO Systems -- 1 Introduction -- 2 Related Works -- 3 The System and Channel Model for mmWave Massive MIMO Systems -- 3.1 the mmWave Large MIMO System Model -- 3.2 The mmWave Massive MIMO Channel Model -- 4 Hybrid Precoding Algorithms for MU mmWave Large MIMO Systems -- 5 Simulation Results and Analysis -- 5.1 Simulation Parameters -- 5.2 Analysis of the Achievable Rate of the Proposed Algorithms -- 5.3 Impact of Number of BS Antennas on Spectral Efficiency. 5.4 Spectral Efficiency for Various Number of Users -- 5.5 Spectral Efficiency for Hybrid Beamforming with Digital and Analog Beamforming Approaches -- 6 Conclusion -- References -- Narrow-Linewidth Compound Ring Fiber Laser Using HBF as a Feedback for Sensing and Communication Application -- Abstract -- 1 Introduction -- 2 Fiber Laser Configuration and Theoretical Modeling -- 2.1 Resonator Loss Difference -- 2.2 Fiber Laser Characteristics -- 3 Conclusion -- References -- Design and Performance Analysis of 125 MW Floating Photovoltaic Power Plant in Ethiopia: Metema vs Lake Tana -- Abstract -- 1 Introduction -- 2 Methodology -- 2.1 Study Area -- 2.2 Study Area -- 2.3 Components of Floating Photovoltaic Power Plant -- 2.3.1 Solar Module and Associated Components -- 2.4 Mathematical Modeling of Temperature and Wind Effect -- 2.5 Panel and Inverter Specification -- 2.6 Design of 125 MWp Floating Solar PV

-- 2.6.1 System Sizing -- 2.6.2 String and Component Arrangement --
 2.7 MATLAB Modeling Solar PV -- 3 Result and Discussion -- 4
 Conclusion -- References -- Efficiency Analysis of a Solar Photovoltaic
 DC and Existing AC Distribution System for Bahirdar University Data
 Center -- Abstract -- 1 Introduction -- 2 Data Center Topologies and
 Components -- 3 Resource Assessment and System Parameter Metrics
 -- 3.1 Data Center Load Profile -- 3.2 Solar Resource Assessment of
 Selected Site -- 3.3 System Parameter Metrics and Estimation Methods
 -- 4 Sizing and Models of Proposed DC-System Components -- 4.1
 Sizing System Components -- 4.2 System Component Models -- 4.3
 Main Components Loss and Efficiency Modeling -- 5 Results and
 Discussions -- 5.1 Efficiency Analysis of Existing Distribution System
 (Base Case Scenario) -- 5.2 Efficiency Analysis of DC Distribution
 System (Proposed Case Scenario) -- 5.3 Energy Cost Analysis -- 6
 Conclusions -- References.
 Design of Genetic Algorithm Based Robust LQG Controller for Active
 Magnetic Bearing System.

Sommario/riassunto

This two-volume set of LNICST 411 and 412 constitutes the refereed post-conference proceedings of the 9th International Conference on Advancement of Science and Technology, ICAST 2021, which took place in August 2021. Due to COVID-19 pandemic the conference was held virtually. The 80 revised full papers were carefully reviewed and selected from 202 submissions. The papers present economic and technologic developments in modern societies in 7 tracks: Chemical, Food and Bioprocess Engineering; Electrical and Electronics Engineering; ICT, Software and Hardware Engineering; Civil, Water Resources, and Environmental Engineering ICT; Mechanical and Industrial Engineering; Material Science and Engineering; Energy Science, Engineering and Policy.
