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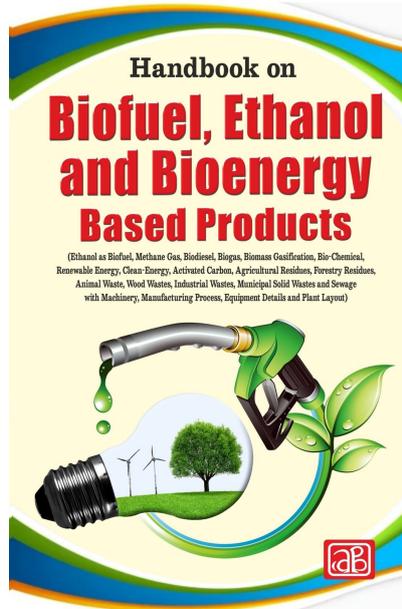
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## Handbook on Biofuel, Ethanol and Bioenergy Based Products

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### Description

## Handbook on Biofuel, Ethanol and Bioenergy Based Products

(Ethanol as Biofuel, Methane Gas, Biodiesel, Biogas, Biomass Gasification, Bio-Chemical, Renewable Energy, Clean-Energy, Activated Carbon, Agricultural Residues, Forestry Residues, Animal Waste, Wood Wastes, Industrial Wastes, Municipal Solid Wastes and Sewage with Machinery, Manufacturing Process, Equipment Details and Plant Layout)

Bioenergy is biofuel-derived energy. Biofuel is any fuel made from biomass, such as plant or algal matter or animal waste. Biofuel is considered a renewable energy source since the feedstock material can be easily renewed, unlike fossil fuels such as petroleum, coal, and natural gas.

Ethanol is a naturally occurring result of plant fermentation that may also be made by hydrating ethylene. Ethanol is a widely used industrial chemical that is employed as a solvent, in the production of other organic compounds, and as a fuel additive (forming a mixture known as a gasohol). Many alcoholic beverages, such as beer, wine, and distilled spirits, include ethanol as a psychoactive element.

Transportation fuels generated from biomass resources, such as ethanol and biomass-based diesel, are known as biofuels. Using ethanol or biodiesel reduces the use of crude oil-based gasoline and diesel, potentially lowering the amount of crude oil imported from other nations. The global biofuels market is expected to reach growth at 7.3% CAGR. Increasing demand for biofuels as automobile fuel owing to their environment friendly characteristic to mitigate greenhouse gas emission is expected to propel industry growth.

The global ethanol fuel market is expected to reach growing at a CAGR of 6.7%. The demand for the product is driven by growing usage of the product as a biofuel. The bioenergy market is expected to register a CAGR of over 6% during the forecast period. Bioenergy is one of the renewable energy sources globally. Increasing demand for energy, advancements in bioenergy conversion technologies, and increasing investment in bioenergy, and declining electricity generation costs from bioenergy facilities are expected to drive the market during the forecast period.

The book covers a wide range of topics connected to Biofuel, Ethanol and Bioenergy Based Products, as well as their manufacturing processes. It also includes contact information for machinery suppliers, as well as images of equipment and plant layout. A complete guide on Biofuel, Ethanol and Bioenergy Based Products manufacture and entrepreneurship. This book serves as a one-stop shop for everything you need to know about the Biofuel, Ethanol and Bioenergy Based Products manufacturing industry, which is ripe with opportunity for manufacturers, merchants, and entrepreneurs. This is the only book that covers commercial Biofuel, Ethanol and Bioenergy Based Products in depth. From concept through equipment procurement, it is a veritable feast of how-to information.

# Content

## INTRODUCTION

### 1.1. Types

#### 1.1.1. Wood

#### 1.1.2. Biogas

#### 1.1.3. Biodiesel

#### 1.1.4. Ethanol

#### 1.1.5. Methanol

#### 1.1.6. Butanol

### 1.2. Benefits

#### 1.2.1. They are Renewable Sources of Energy

#### 1.2.2. Sovereignty

#### 1.2.3. Ensure Sustainable Economy

#### 1.2.4. Low Costs

#### 1.2.5. Cleanest Fuel

#### 1.2.6. Production of Less Smoke

#### 1.2.7. They Help to Reduce Monopoly

#### 1.2.8. Lower Toxicity in the Atmosphere

#### 1.2.9. They are a Source of Employment for Locals

#### 1.2.10. They do not Produce Sulfur

#### 1.2.11. Promotion of Agriculture

## 2. ETHANOL

### 2.1. Production Process

#### 2.1.1. Hydrolysis of Starch and Cellulose followed by Fermentation of Glucose to Ethanol

### 2.2. Applications

### 2.3. Uses

#### 2.3.1. Medical

#### 2.3.2. Recreational

#### 2.3.3. Fuel

### 2.4. Chemistry

#### 2.4.1. Chemical Formula

#### 2.4.2. Physical Properties

#### 2.4.3. Solvent Properties

#### 2.4.4. Flammability

### 2.5. Technology

## 3. ETHANOL PRODUCTION

### 3.1. History of Ethanol

### 3.2. Most Motor Gasoline Now Contains Fuel Ethanol

#### 3.2.1. Sugar-to-Ethanol Process

- 3.2.2. Starch-to-Ethanol Process
- 3.2.3. Cellulose-to-Ethanol Process
- 3.2.4. Distillation and Dehydration Process
- 3.3. Technology Applications for Bioethanol
- 3.4. Ethanol and The Environment
- 4. ETHANOL PRODUCTION PROCESS FROM SUGARCANE
  - 4.1. Cleaning of Sugarcane, Extraction of Sugars and Juice Treatment
  - 4.2. Juice Concentration and Sterilization
  - 4.3. Distillation and Dehydration
- 5. ETHANOL PRODUCTION PROCESS FROM SUGARCANE BAGASSE
  - 5.1. Pre-Hydrolysis of Hemicellulose
  - 5.2. Cellulose Hydrolysis and Solvent Recovery
- 6. ETHANOL PRODUCTION PROCESS FROM CELLULOSIC
  - 6.1. Cellulosic Production Process
    - 6.1.1. Pretreatment
    - 6.1.2. Enzyme Hydrolysis
    - 6.1.3. Fermentation
    - 6.1.4. Distillation
    - 6.1.5. Fuel Ethanol
- 7. BIOFUEL
  - 7.1. How Biofuel is Made
    - 7.1.1. Biofuel Conversion Processes Deconstruction
      - High-Temperature Deconstruction
      - Low-Temperature Deconstruction
  - 7.2. Production of Common Biofuels
  - 7.3. Biofuels are Classified in the following four Categories:
    - First-Generation Biofuels.
    - Second-Generation Biofuels
    - Third-Generation Biofuels
    - Fourth-Generation Biofuels
  - 7.4. Types
    - 7.4.1. Gaseous Biofuel
    - 7.4.2. Liquid Biofuel
- 8. BIOFUEL PRODUCTION FROM BIOMASS CROPS
  - 8.1. Biomass Production
    - 8.1.1. Introduction
    - 8.1.2. The Holistic Approach
  - 8.2. Pretreatment of Lignocellulosic Biomass to Biofuel
    - 8.2.1. Bioethanol from Sugar Beet
    - 8.2.2. Biological Hydrogen from Sweet Sorghum
  - 8.3. Few Crops and their Residues

- 8.3.1. Arhar
- 8.3.2. Bajra
- 8.3.3. Banana
- 8.3.4. Barley
- 8.3.5. Coconut
- 8.3.6. Coffee
- 8.3.7. Coriander
- 8.3.8. Cotton
- 8.3.9. Dry Chilly
- 8.3.10. Dry Ginger
- 8.3.11. Green Gram
- 8.3.12. Ground Nut
- 8.3.13. Jowar
- 8.3.14. Maize
- 8.3.15. Mango
- 8.3.16. Masoor
- 8.3.17. Moong
- 8.3.18. Moth
- 8.3.19. Mustard
- 8.3.20. Potato
- 8.3.21. Soyabean
- 8.3.22. Sugarcane
- 8.3.23. Tea

## 9. BIOFUEL BRIQUETTES FROM BIOMASS

- 9.1. Properties of Biomass Briquettes
- 9.2. Uses and Applications of Briquette
- 9.3. Feedstock
- 9.4. Market
- 9.5. Pre-processing of Biomass Residues
- 9.6. Bio-briquette Manufacturing Process
  - 9.6.1. Advantages of Biomass Briquetting
- 9.7. Comparative Characteristics of Bio Briquettes
- 9.8. Briquetting Plant

## 10. BIOMASS RENEWABLE ENERGY

- 10.1. Introduction
- 10.2. Types of Biomass
- 10.3. Lignocellulosic Biomass
- 10.4. Crops and Vegetables
- 10.5. Waste Biomass
- 10.6. Properties of Biomass
  - 10.6.1. Physical Properties

Densities

True Density

Apparent Density

Bulk Density

10.6.2. Thermodynamic Properties

(a) Thermal Conductivity

(b) Specific Heat

(c) Heat of Formation

(d) Heat of Combustion (Reaction)

(e) Heating Value

(f) Ignition Temperature

10.7. Important Constituents of Lignocellulosic Feedstocks

10.7.1. Benefits of Biomass

10.7.2. Disadvantages of Biomass

10.8. Biomass Pyramids

10.8.1. Compaction Characteristics of Biomass and Their Significance

10.8.2. Effect of Particle Size

10.8.3. Effect of Moisture

10.8.4. Effect of Temperature of Biomass

10.8.5. Effect of Temperature of the Die

10.8.6. Effect of External Additives

10.8.7. Unit Operations

10.8.8. Anaerobic Digestion

10.9. Biomass Energy in India

11. PROSPECTIVE RENEWABLE RESOURCE FOR BIO-BASED PROCESSES

11.1. Waste Biomass

11.2. Types of Waste Biomass

11.2.1. Lignocellulose

11.2.2. Lignocellulose Composition

11.2.3. Cellulose

11.2.4. Hemicellulose

11.2.5. Lignin

11.3. Residual Biomasses and the Biorefinery Associated Concept

11.3.1. Bio-Based Processes

11.3.2. Value Addition of Waste Biomass

11.3.3. Biotransformation of Biomass

11.3.4. Transformation of Marine Process Wastes

11.3.5. Biotransformation of Biotechnological Process Wastes

11.3.6. Biochemical Extraction from Biomass

12. BIOMASS BASED ACTIVATED CARBON

12.1. Introduction

- 12.2. Biomass Pyrolysis and Char Activation
- 12.3. Biomass Properties
  - 12.3.1. Lab-Scale Pyrolysis
  - 12.3.2. Lab-scale Activation
  - 12.3.3. Activation Results
  - 12.3.4. Pore Size Distribution
  - 12.3.5. Generation of Granular Activated Carbon
  - 12.3.6. Rotary Kiln Reactor for Char Activation
- 12.4. Composition of Biological Activated Carbon Process
  - 12.4.1. Composition and Application
    - Basic Principles of Biological Activated Carbon Technology
    - Application Fields and the Typical Process Flow of Biological Activated Carbon Technology
    - Basic Operational Parameters of BAC Process
- 12.5. O<sub>3</sub>-BAC Process and the Evaluation of Ozonation
  - 12.5.1. Mechanism and Characteristics of O<sub>3</sub>-BAC Process
- 12.6. Effect of Ozonation on Molecule Weight Distribution and the Molecule Structure of Organic Matters
  - 12.6.1. Effect of Ozonation on Molecule Weight Distribution of Organic Matters
  - 12.6.2. Effect of Ozonation on the Structure of Organic Matters
  - 12.6.3. Improvement of Biochemical Properties of Organics by Ozonation
  - 12.6.4. Improvement of Ozonation on Biodegradability of Organic Matters
- 13. BIOMASS BASED CHEMICALS
  - 13.1. Chemicals from Biomass as Feedstock
  - 13.2. Biomass Conversion Chemicals
    - 13.2.1. Methane
    - 13.2.2. Methanol
  - 13.3. Production of Methanol from Biomass
  - 13.4. Uses and Applications of Methanol
    - 13.4.1. Waste Water Treatment
    - 13.4.2. Environmentally Friendly
    - 13.4.3. Chemical Intermediate and Fuel
    - 13.4.4. Safety in Automotive Fuels
    - 13.4.5. Government Policy
    - 13.4.6. Other Applications
  - 13.5. Ethanol
    - 13.5.1. Properties of Ethanol
    - 13.5.2. Ethanol Production Process from Sugarcane
  - 13.6. Cleaning of Sugarcane, Extraction of Sugars and Juice Treatment
    - 13.6.1. Juice Concentration and Sterilization
    - 13.6.2. Fermentation

13.6.3. Distillation and Dehydration

13.6.4. Acetic Acid

13.6.5. Ethylene

13.6.6. Glycerol

13.6.7. Lactic Acid

13.6.8. Acetone

13.7. Butanol

13.7.1. Sorbitol

14. BIOMASS GASIFICATION

14.1. Gasification Reactor Types

14.1.1. Moving Bed (Fixed Bed)

14.1.2. Down-draft Gasifiers

14.1.3. Up-draft Gasifier

14.1.4. Fluidized Bed Gasifier

14.1.5. Bubbling Fluidized Bed

14.1.6. Circulating Fluidized Bed Gasifier

14.1.7. Entrained-Flow Reactor

14.2. Gasification Reactions and Steps

14.2.1. Gasifying Medium

14.2.2. Chemical Reactions

1. Reactions with Molecular Oxygen

2. Reactions with Carbon Dioxide

3. Reactions with Steam

4. Reactions with Hydrogen

14.3. Fuel-Gas Production and Utilization

14.3.1. Synthesis Gas Production

14.4. The Gasification Process

14.4.1. Drying

14.4.2. Pyrolysis

14.5. Char Gasification Reactions

14.5.1. Speed of Char Reactions

14.5.2. Boudouard Reaction

14.5.3. Water-Gas Reaction

14.5.4. Shift Reaction

14.5.5. Hydrogasification Reaction

14.5.6. Char Combustion Reactions

14.6. Catalytic Gasification

14.7. Catalyst Selection Criteria

14.7.1. Advantages and Limitations

14.8. Generation of Thermal Energy from Wood through Biomass Gasification System

14.9. Scope of Supply

- 14.10. Equipment Description
- 14.11. Appendix & Annexure
- 15. BIOCHEMICAL FROM BIOMASS
  - 15.1. Biomass Conversion
    - 15.1.1. Thermo Chemical Conversion
    - 15.1.2. Combustion
    - 15.1.3. Gasification
    - 15.1.4. Pyrolysis
    - 15.1.5. Biochemical Conversion
    - 15.1.6. Fermentation
    - 15.1.7. Anaerobic Digestion
    - 15.1.8. Mechanical Extraction
  - 15.2. Biochemical from Biomass
    - 15.2.1. Biomethanation
    - 15.2.2. Feature of Biomethanation
    - 15.2.3. Mechanism of Biomethanation
    - 15.2.4. Current Status
    - 15.2.5. Ethanol Fermentation
    - 15.2.6. Ethanol Fermentation of Saccharine Materials
    - 15.2.7. Ethanol Fermentation of Starch
    - 15.2.8. Ethanol Fermentation of Lignocellulosics
      - (a) Concentrated Sulfuric Acid Process
      - (b) Dilute Sulfuric Acid Process
    - 15.2.9. Acetone-Butanol Fermentation
    - 15.2.10. Characteristics of Acetone-Butanol Fermentation
    - 15.2.11. Reactions of Acetone-Butanol Fermentation
    - 15.2.12. Energy Efficiency of Acetone-Butanol Fermentation
    - 15.2.13. Products of Acetone-Butanol Fermentation
    - 15.2.14. Hydrogen Fermentation
    - 15.2.15. Characteristics of Hydrogen Fermentation
    - 15.2.16. Reactions of Hydrogen Fermentation
    - 15.2.17. Energy Efficiency of Hydrogen Fermentation
    - 15.2.18. Products of Hydrogen Fermentation
    - 15.2.19. Lactic Acid Fermentation
    - 15.2.20. Lactic Acid Bacteria
    - 15.2.21. Biomass Resources for Lactic Acid Fermentation
    - 15.2.22. Utilization of Unused Biomass from Palm Oil Industry
    - 15.2.23. Lactic Acid Fermentation from Kitchen Garbage
    - 15.2.24. Purification of Lactic Acid
    - 15.2.25. Silage
    - 15.2.26. Silage Making

- 15.2.27. Silage Fermentation
- 15.2.28. Roll Bale Silage
- 15.3. Composting
  - 15.3.1. Basic Principles of Composting
  - 15.3.2. Basic Elements of Composting
    - (a) Preprocessing
    - (b) Fermentation
    - (c) Product Forming Process
- 15.4. Current Composting Technology
- 16. REUSE OF BIO-GENIC IRON OXIDES AND WOODY BIOMASS FLY ASH IN CEMENT BASED MATERIALS AND AGRICULTURAL AREAS
  - 16.1. Introduction
  - 16.2. Materials and Methods
    - 16.2.1. Preparation of Hardened Cement Paste Specimens
    - 16.2.2. Monolith Leaching Test
  - 16.3. Characterization of WBFA
  - 16.4. Leaching Behavior of Blended Cement Pastes
- 17. BIS SPECIFICATIONS
- 18. PHOTOGRAPHS OF MACHINERY WITH SUPPLIERS CONTACT DETAILS
  - Charcoal Briquettes Machine
  - Automatic Agrowaste Cum Biomass Briquette Making Machine
  - Automatic Biomass Briquette Machine
  - Agro Waste Biomass Briquetting Plant
  - Biomass Pellet Making Machine
  - Activated Carbon Making Plant
  - Biodiesel Plant
  - Fuel Ethanol Plant
  - Automatic Bioethanol Plant
  - Fully Automatic Fly Ash Brick Making Machine
  - Biomass Gasification Plant
  - Fluid Bed Gasifier for Thermal & Electrical
  - Acetic Acid Recovery Plant
- 19. PLANT LAYOUT & PROCESS FLOW CHART

## About Niir

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