+44 20 8123 2220
info@marketpublishers.com

Global Second Generation Biofuels Market Size study, by Type (Cellulosic Ethanol, Biodiesel, Bio Butanol, Others), by Feedstock (Simple Lignocellulose, Complex Lignocellulose, Syngas, Algae, Others), by Process (Biochemical Process, Thermochemical Process), by Application (Transportation, Power Generation, Others) and Regional Forecasts 2022-2032

https://marketpublishers.com/r/G3A5ACE9B021EN.html
Date: July 2024
Pages: 200
Price: US$ 6,250.00 (Single User License)
ID: G3A5ACE9B021EN

Abstracts

Global Second Generation Biofuels Market is valued approximately USD 8.2 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 26.80% over the forecast period 2024-2032. Second-generation biofuels utilizes feedstocks such as agricultural residues (corn stover, wheat straw), forestry residues (wood chips, sawdust), energy crops (switchgrass, miscanthus), and organic waste (municipal solid waste, landfill gas) to produce liquid transportation fuels such as ethanol, biodiesel, and renewable diesel. These biofuels are considered more sustainable than first-generation alternatives because they don't compete with food production and often have lower greenhouse gas emissions. The market is witnessing a diversification of feedstock options beyond traditional sources such as agricultural and forestry residues. Trends such as energy crops include switchgrass, miscanthus, and dedicated woody crops are gaining traction due to their high biomass yield, low input requirements, and potential for marginal land utilization. Thus, these factors further help in growth of the Global Second Generation Biofuels Market.

Energy security concerns are a significant driver of demand for the Global Second Generation Biofuels Market. With increasing geopolitical tensions and volatile oil prices,

there's a growing recognition of the need to diversify energy sources and reduce dependence on fossil fuels. Second-generation biofuels offer a renewable and domestically-produced alternative to traditional petroleum-based fuels, enhancing energy security by mitigating the risks associated with oil imports and supply disruptions. Governments and industries worldwide are investing in biofuel technologies and infrastructure to bolster national energy security strategies. By promoting the development and adoption of second-generation biofuels, countries can strengthen their resilience to external shocks, ensure stable energy supplies, and contribute to a more sustainable and secure energy future. However, producing second-generation biofuels requires significant capital investment and sourcing enough biomass feedstock can be challenging due to seasonal availability and geographical distribution, these factors stifle market growth during the forecast period 2024-2032.

The key regions considered for the Global Second Generation Biofuels market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market in terms of revenue. Policies such as the Renewable Fuel Standard (RFS) in the United States and renewable fuel mandates in Canada provide regulatory frameworks and incentives to promote the production and use of biofuels, including second-generation biofuels. These mandates create a stable market demand for biofuels and encourage investment in biofuel production facilities. Furthermore, ongoing research and development efforts have led to advancements in biomass conversion technologies, making second-generation biofuel production more efficient and cost-effective. Innovations in pretreatment, enzymatic hydrolysis, fermentation, and biofuel refining contribute to the competitiveness of Second Generation Biofuels Market. The market in Asia Pacific is expected to grow at the fastest rate over the forecast period.

Major market player included in this report are:
?rsted A/S
INEOS Group
Algenol Biotech LLC
POET, LLC.
International Flavors & Fragrances Inc.
Clariant AG
Fiberight Ltd.
Granbio Investimentos S.A.
Reliance Industries Limited
ZeaChem

+44 20 8123 2220
info@marketpublishers.com

The detailed segments and sub-segment of the market are explained below:

By Type
Cellulosic Ethanol
Biodiesel
Bio Butanol
Others

By Feedstock
Simple Lignocellulose
Complex Lignocellulose
Syngas
Algae
Others

By Process
Biochemical Process
Thermochemical Process

By Application
Transportation
Power Generation
Others

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan

+44 20 8123 2220
info@marketpublishers.com

Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Middle East & Africa
Saudi Arabia
South Africa
RoMEA

Years considered for the study are as follows:
Historical year – 2022
Base year – 2023
Forecast period – 2024 to 2032

Key Takeaways:
Market Estimates & Forecast for 10 years from 2022 to 2032.
Annualized revenues and regional level analysis for each market segment.
Detailed analysis of geographical landscape with Country level analysis of major regions.
Competitive landscape with information on major players in the market.
Analysis of key business strategies and recommendations on future market approach.
Analysis of competitive structure of the market.
Demand side and supply side analysis of the market

Contents

CHAPTER 1. GLOBAL SECOND GENERATION BIOFUELS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

1.1. Research Objective
1.2. Market Definition
1.3. Research Assumptions
  1.3.1. Inclusion & Exclusion
  1.3.2. Limitations
  1.3.3. Supply Side Analysis
    1.3.3.1. Availability
    1.3.3.2. Infrastructure
    1.3.3.3. Regulatory Environment
    1.3.3.4. Market Competition
    1.3.3.5. Economic Viability (Consumer's Perspective)
  1.3.4. Demand Side Analysis
    1.3.4.1. Regulatory frameworks
    1.3.4.2. Technological Advancements
    1.3.4.3. Environmental Considerations
    1.3.4.4. Consumer Awareness & Acceptance
1.4. Estimation Methodology
1.5. Years Considered for the Study
1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

2.1. Global Second Generation Biofuels Market Size & Forecast (2022- 2032)
2.2. Regional Summary
2.3. Segmental Summary
  2.3.1. By Type
  2.3.2. By Feedstock
  2.3.3. By Process
  2.3.4. By Application
2.4. Key Trends
2.5. Recession Impact
2.6. Analyst Recommendation & Conclusion

CHAPTER 3. GLOBAL SECOND GENERATION BIOFUELS MARKET DYNAMICS

3.1. Market Drivers
3.2. Market Challenges
3.3. Market Opportunities

CHAPTER 4. GLOBAL SECOND GENERATION BIOFUELS MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model
  4.1.1. Bargaining Power of Suppliers
  4.1.2. Bargaining Power of Buyers
  4.1.3. Threat of New Entrants
  4.1.4. Threat of Substitutes
  4.1.5. Competitive Rivalry
  4.1.6. Futuristic Approach to Porter's 5 Force Model
  4.1.7. Porter's 5 Force Impact Analysis
4.2. PESTEL Analysis
  4.2.1. Political
  4.2.2. Economical
  4.2.3. Social
  4.2.4. Technological
  4.2.5. Environmental
  4.2.6. Legal
4.3. Top investment opportunity
4.4. Top winning strategies
4.5. Disruptive Trends
4.6. Industry Expert Perspective
4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SECOND GENERATION BIOFUELS MARKET SIZE & FORECASTS BY TYPE 2022-2032

5.1. Cellulosic Ethanol
5.2. Biodiesel
5.3. Bio Butanol
5.4. Others

CHAPTER 6. GLOBAL SECOND GENERATION BIOFUELS MARKET SIZE & FORECASTS BY FEEDSTOCK 2022-2032

+44 20 8123 2220
info@marketpublishers.com

6.1. Simple Lignocellulose
6.2. Complex Lignocellulose
6.3. Syngas
6.4. Algae
6.5. Others

CHAPTER 7. GLOBAL SECOND GENERATION BIOFUELS MARKET SIZE & FORECASTS BY PROCESS 2022-2032

7.1. Biochemical Process
7.2. Thermochemical Process

CHAPTER 8. GLOBAL SECOND GENERATION BIOFUELS MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

8.1. Transportation
8.2. Power Generation
8.3. Others

CHAPTER 9. GLOBAL SECOND GENERATION BIOFUELS MARKET SIZE & FORECASTS BY REGION 2022-2032

9.1. North America Second Generation Biofuels Market
  9.1.1. U.S. Second Generation Biofuels Market
    9.1.1.1. Type breakdown size & forecasts, 2022-2032
    9.1.1.2. Feedstock breakdown size & forecasts, 2022-2032
    9.1.1.3. Process breakdown size & forecasts, 2022-2032
    9.1.1.4. Application breakdown size & forecasts, 2022-2032
  9.1.2. Canada Second Generation Biofuels Market
9.2. Europe Second Generation Biofuels Market
  9.2.1. U.K. Second Generation Biofuels Market
  9.2.2. Germany Second Generation Biofuels Market
  9.2.3. France Second Generation Biofuels Market
  9.2.4. Spain Second Generation Biofuels Market
  9.2.5. Italy Second Generation Biofuels Market
  9.2.6. Rest of Europe Second Generation Biofuels Market
9.3. Asia-Pacific Second Generation Biofuels Market
  9.3.1. China Second Generation Biofuels Market

+44 20 8123 2220
info@marketpublishers.com

9.3.2. India Second Generation Biofuels Market
9.3.3. Japan Second Generation Biofuels Market
9.3.4. Australia Second Generation Biofuels Market
9.3.5. South Korea Second Generation Biofuels Market
9.3.6. Rest of Asia Pacific Second Generation Biofuels Market
9.4. Latin America Second Generation Biofuels Market
9.4.1. Brazil Second Generation Biofuels Market
9.4.2. Mexico Second Generation Biofuels Market
9.4.3. Rest of Latin America Second Generation Biofuels Market
9.5. Middle East & Africa Second Generation Biofuels Market
9.5.1. Saudi Arabia Second Generation Biofuels Market
9.5.2. South Africa Second Generation Biofuels Market
9.5.3. Rest of Middle East & Africa Second Generation Biofuels Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

10.1. Key Company SWOT Analysis
10.1.1. Company
10.1.2. Company
10.1.3. Company
10.2. Top Market Strategies
10.3. Company Profiles
10.3.1. ?rsted A/S
10.3.1.1. Key Information
10.3.1.2. Overview
10.3.1.3. Financial (Subject to Data Availability)
10.3.1.4. Product Summary
10.3.1.5. Market Strategies
10.3.2. INEOS Group
10.3.3. Algenol Biotech LLC
10.3.4. POET, LLC.
10.3.5. International Flavors & Fragrances Inc.
10.3.6. Clariant AG
10.3.7. Fiberight Ltd.
10.3.8. Granbio Investimentos S.A.
10.3.9. Reliance Industries Limited
10.3.10. ZeaChem

CHAPTER 11. RESEARCH PROCESS

+44 20 8123 2220
info@marketpublishers.com

11.1. Research Process
11.1.1. Data Mining
11.1.2. Analysis
11.1.3. Market Estimation
11.1.4. Validation
11.1.5. Publishing
11.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Second Generation Biofuels market, report scope
TABLE 2. Global Second Generation Biofuels market estimates & forecasts by Region 2022-2032 (USD Billion)
TABLE 3. Global Second Generation Biofuels market estimates & forecasts by Type 2022-2032 (USD Billion)
TABLE 4. Global Second Generation Biofuels market estimates & forecasts by Feedstock 2022-2032 (USD Billion)
TABLE 5. Global Second Generation Biofuels market estimates & forecasts by Process 2022-2032 (USD Billion)
TABLE 6. Global Second Generation Biofuels market estimates & forecasts by Application 2022-2032 (USD Billion)
TABLE 7. Global Second Generation Biofuels market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 8. Global Second Generation Biofuels market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 9. Global Second Generation Biofuels market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 10. Global Second Generation Biofuels market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 11. Global Second Generation Biofuels market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 12. Global Second Generation Biofuels market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 13. Global Second Generation Biofuels market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 14. Global Second Generation Biofuels market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 15. Global Second Generation Biofuels market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 16. Global Second Generation Biofuels market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 17. U.S. Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 18. U.S. Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)

+44 20 8123 2220
info@marketpublishers.com

TABLE 19. U.S. Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 20. Canada Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 21. Canada Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 22. Canada Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 23. UK Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 24. UK Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 25. UK Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 26. Germany Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 27. Germany Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 28. Germany Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 29. France Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 30. France Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 31. France Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 32. Italy Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 33. Italy Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 34. Italy Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 35. Spain Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 36. Spain Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 37. Spain Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 38. RoE Second Generation Biofuels market estimates & forecasts, 2022-2032

(USD Billion)
TABLE 39. RoE Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 40. RoE Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 41. China Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 42. China Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 43. China Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 44. India Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 45. India Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 46. India Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 47. Japan Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 48. Japan Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 49. Japan Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 50. Australia Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 51. Australia Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 52. Australia Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 53. South Korea Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 54. South Korea Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 55. South Korea Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 56.
TABLE 57. RoAPAC Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 58. RoAPAC Second Generation Biofuels market estimates & forecasts by

segment 2022-2032 (USD Billion)
TABLE 59. RoAPAC Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 60. Brazil Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 61. Brazil Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 62. Brazil Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 63. Mexico Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 64. Mexico Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 65. Mexico Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 66. RoLA Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 67. RoLA Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 68. RoLA Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 69. Saudi Arabia Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 70. Saudi Arabia Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 71. Saudi Arabia Second Generation Biofuels market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 72. South Africa Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 73.
TABLE 74. South Africa Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 75. South Africa Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 76. RoMEA Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 77. RoMEA Second Generation Biofuels market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 78. RoMEA Second Generation Biofuels market estimates & forecasts by

segment 2022-2032 (USD Billion)
TABLE 79. List of secondary sources, used in the study of Global Second Generation Biofuels Market.
TABLE 80. List of primary sources, used in the study of Global Second Generation Biofuels Market.
TABLE 81. Years considered for the study.
TABLE 82. Exchange rates considered

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

FIG 1. Global Second Generation Biofuels market, research methodology
FIG 2. Global Second Generation Biofuels market, market estimation techniques
FIG 3. Global market size estimates & forecast methods.
FIG 4. Global Second Generation Biofuels market, key trends 2023
FIG 5. Global Second Generation Biofuels market, growth prospects 2022-2032
FIG 6. Global Second Generation Biofuels market, porters 5 force model
FIG 7. Global Second Generation Biofuels market, pestel analysis
FIG 8. Global Second Generation Biofuels market, value chain analysis
FIG 9. Global Second Generation Biofuels market by segment, 2022 & 2032 (USD Billion)
FIG 10. Global Second Generation Biofuels market by segment, 2022 & 2032 (USD Billion)
FIG 11. Global Second Generation Biofuels market by segment, 2022 & 2032 (USD Billion)
FIG 12. Global Second Generation Biofuels market by segment, 2022 & 2032 (USD Billion)
FIG 13. Global Second Generation Biofuels market by segment, 2022 & 2032 (USD Billion)
FIG 14. Global Second Generation Biofuels market, regional snapshot 2022 & 2032
FIG 15. North America Second Generation Biofuels market 2022 & 2032 (USD Billion)
FIG 16. Europe Second Generation Biofuels market 2022 & 2032 (USD Billion)
FIG 17. Asia pacific Second Generation Biofuels market 2022 & 2032 (USD Billion)
FIG 18. Latin America Second Generation Biofuels market 2022 & 2032 (USD Billion)
FIG 19. Middle East & Africa Second Generation Biofuels market 2022 & 2032 (USD Billion)
FIG 20. Global Second Generation Biofuels market, company market share analysis (2023)

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Global Second Generation Biofuels Market Size study, by Type (Cellulosic Ethanol, Biodiesel, Bio Butanol, Others), by Feedstock (Simple Lignocellulose, Complex Lignocellulose, Syngas, Algae, Others), by Process (Biochemical Process, Thermochemical Process), by Application (Transportation, Power Generation, Others) and Regional Forecasts 2022-2032

Product link: https://marketpublishers.com/r/G3A5ACE9B021EN.html

Price: US$ 6,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G3A5ACE9B021EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**All fields are required

Custumer signature ___________________________

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970