

The Only 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

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)



Delhi, India Feb 25, 2022 (IssueWire.com) - A good read is a good read. Period. It begets information, knowledge, and power to its reader. Added to this punch, if it also brings to the table the trades and tactics for earning monies, the whole deal becomes a goldmine. Here we have with us a [Handbook on Biofuel, Ethanol and Bioenergy Based Products \(Ethanol as Biofuel, Methane Gas, Biodiesel, Biogas, Biomass Gasification, Bio-Chemical, Renewable Energy, Clean-Energy, Activated Carbon, Agricultural Residues, Forestry Residues, Animal Waste, Wood Wastes, Industrial Wastes, Municipal Solid Wastes and Sewage with Machinery, Manufacturing Process, Equipment Details, and Plant Layout\)](#) by Mr. P.K. Chattopadhyay. With 456 pages and a price tag of Rs 1875, this is a reservoir of abundant know-how on how to extract the most out of these products and make a fortune out of it in the process, no less. Published by the Asia Pacific Business Press Inc, one can get a firsthand account of all the relevant repertoire of these chemicals and that too in an extremely readable and user-friendly format. The biofuels market is a fast-growing one and is portended to grow at 7.3% CAGR. The prime reason for this astounding figure is that these chemicals are an environment-conducive alternative for combustion in automobiles. Hence, they are magical potions that are and will increasingly be more in use for transportation purposes. Hence, if you are involved in this line of work and are looking at expanding your base in any which way, this is just the handbook for you. It will aid and abet you in setting up or in enhancing the purview of your already-existing work spectrum. In addition, the global [ethanol](#) market is also expected to grow at a rate of 6.7% CAGR. It is widely utilized as an industrial chemical as a solvent, for the manufacture of diverse organic compounds, and as a fuel additive, among other purposes. Thus, it stands to logic and to reason that its details and product paraphernalia are of much interest to the segment of people that are working in this arena. So also, the bio-energy market is slated to cross the 6% CAGR figure. This, too, is a fascinating work sphere for those that are in the know of a related range of products. It is important to point out that the above-mentioned catalogue of products is set to sky-hike in terms of their potential in the business ethos the world over. The very nature of their utility is such that they are bound to bring in big bucks to their manufacturers' coffers. Thence, any information regarding not just their usage but also nuggets related to their manufacturing processes and integrated nitty-gritty is more than welcome for the brigade of producers interested in making them. This collation of literature on this field is something that will help avid manufacturers in a big way in their work.

This book [Handbook on Biofuel, Ethanol and Bioenergy Based Products \(Ethanol as Biofuel, Methane Gas, Biodiesel, Biogas, Biomass Gasification, Bio-Chemical, Renewable Energy, Clean-Energy, Activated Carbon, Agricultural Residues, Forestry Residues, Animal Waste, Wood Wastes, Industrial Wastes, Municipal Solid Wastes and Sewage with Machinery, Manufacturing Process, Equipment Details, and Plant Layout\)](#) gives a thorough look at the above-mentioned industries, the manufactures and suppliers' details of the raw materials, the machinery pictures, and the plant layouts for the respective utilities. Such information is much like just what the doctor ordered for anyone and everyone that is venturing into the business of manufacturing this lineup or anything in the same context. One point that has to be kept in mind about the real value of the content of this treasury is that any existing producer of such products will also want to update and upgrade his scale of present knowledge in this field. Thus, this handbook is a guide of sorts for them, too. It provides a lock, stock, and barrel approach to the A-Z of the ethanol, [bio-fuel, and bio-energy](#) posse of products. This one-stop window into this interesting and exacting world of such industrial chemicals is also a literal feast for those that research or study about them for their educational pursuits.

The contents begin by introducing the reader to wood, biogas, biodiesel, methanol, and butanol. Then the realm here extends into how such fuels reduce the toxicity in the atmosphere, are amongst the cleanest sources of energy, do not produce sulfur, and are a source of employment for the locals of their respective areas. The applications of ethanol, its uses including medical and recreational, the chemical formulae of fuels, their solvent properties, ethanol, its distillation and dehydration processes, ethanol production process from sugarcane, the same from cellulosic, how bio-fuels are made, their

classification (first, second, third, and fourth generation), gaseous and liquid bio-fuels, bio-fuel production from biomass crops, et al, are the boon and the bane of this complication. Specific crops and their residues including arhar, bajra, banana, barley, clove, green gram, maize, mango, masoor, potato, soyabean, and tea are given a good peek-a-boo. Advantages of biomass briquetting, biomass renewable energy, densities (true, apparent, bulk), thermodynamic properties including specific heat and heat of formation, biomass pyramids, compaction characteristics of biomass and their significance, types of waste biomass, biomass-based activated carbon, pyrolysis, and char activation, basic operational traits of the BAC process, biomass gasification, biochemicals from biomass, and then some more topics, are the samples of the subjects dealt with here. Processes like ethanol fermentation, butanol methanol fermentation, purification of lactic acid, silage making, composting, preprocessing, cement-based materials, BIS specifications, and the like are the further chapters in this book.

To sum up, it is essential to say that this guidebook opens up vistas for many an entrepreneur. Anyone that has a good background in this field and is willing to delve into the manufacturing of biofuels, [ethanol](#), etc., and other similar products will find it of much use. It is also worthy of mentioning that by going through the pages of such material, one will realize that dreams of setting up viable production units are not as overwhelming or difficult as they may seem. If one has the necessary infrastructure or is able to garner enough resources to do so, this is one arena that may end up being very profitable and beneficial for its manufacturers and producers. After all, what is life without any sense of adventure or calculated risk? Thus, if you care to foray into a line that is worthwhile, you can try picking up this volume and reading about what all it takes to do so. Who knows - maybe you have found something right up your street and it was eluding you in the past!

About Niir Project Consultancy Services (NPCS)

NPCS provides reliable consultancy services worldwide and has been excelling its expertise in a wide range of services. NPCS also published a monthly magazine [Entrepreneur India](#) since 1995. Which is widely read by Entrepreneurs, businessmen, etc. The services include investment opportunities, technology transfers, [pre-feasibility study](#), business plan, new project identification, project feasibility, identification of profitable industrial project opportunities, thorough analysis of the project, plan all resources & details on capital and operational costs, economic feasibility study of the project, profile analysis, preparation of project profiles / pre-investment studies, market surveys/studies, preparation of techno-economic feasibility reports, funding analysis, market potential study, identification and section of plant /process/equipment, general guidance, technical and [commercial counseling for setting up new business](#).

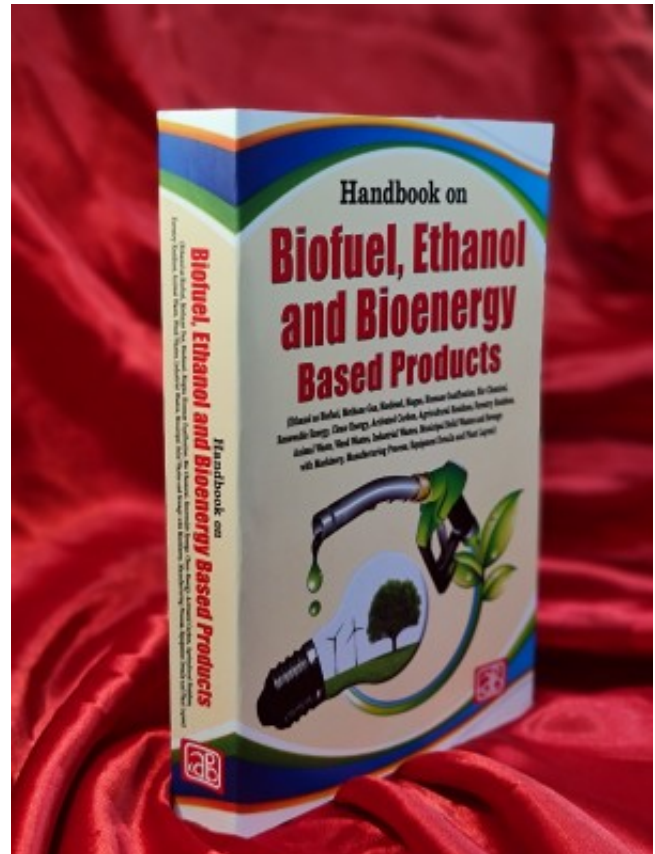
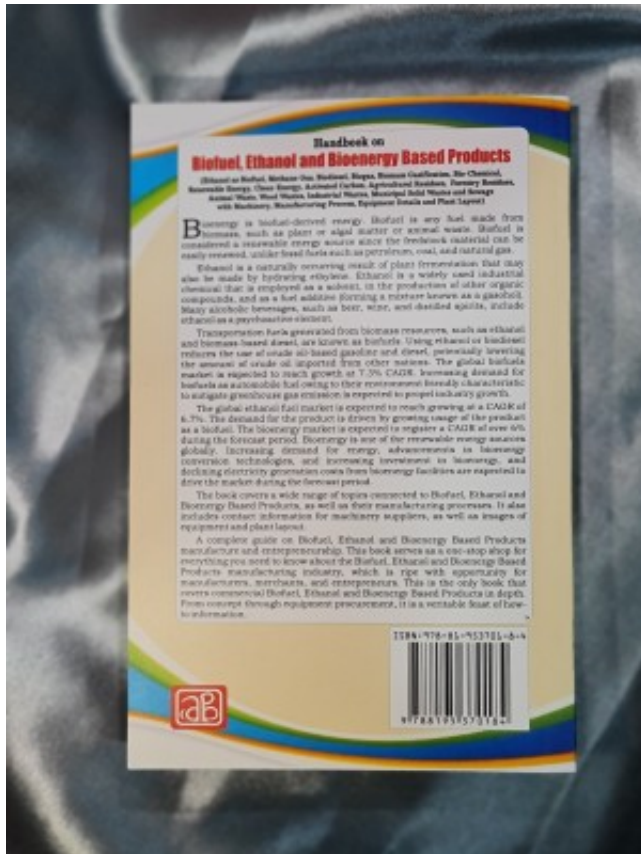
Media Contact:

Ajay Gupta

+91 8800733955

info@entrepreneurindia.co

<https://www.niir.org/>



Media Contact

Ajay kumar Gupta

akgupta@niir.org

09097075054

NIIR PROJECT CONSULTANCY SERVICES, 106-E KAMLA NAGAR, DELHI

Source : NIIR PROJECT CONSULTANCY SERVICES

[See on IssueWire](#)