

Waste Management in Food

Processing Industry

(Recovery of Food Waste, Recovery of Fruit and Vegetable Wastes, Recovery of Protein, Fat Extraction, Silage Production, Uses of Enzymes, Treatment of Dairy Wastes, Treatment of Wheat Starch Effluent, Production of Earthworm Proteins, Utilization of Waste in Animal Feeds)



Introduction

The Food Industry is a complex, global collective of diverse businesses that supplies most of the food consumed by the world population. Only subsistence farmers, those who survive on what they grow, and hunter-gatherers can be considered outside of the scope of the modern food industry.

Food industry produces large volumes of wastes, both solids and liquid, resulting from the production, preparation and consumption of food. These wastes pose increasing disposal and can pose severe pollution problems and represent a loss of valuable biomass and nutrients.

Many standard industrial waste treatment texts sufficiently address a few major technologies for conventional in plant environmental control strategies in the food industry. Environmental legislation has significantly contributed to the introduction of sustainable waste management practices worldwide. Considering the challenges in the area of food industry, efforts are to be made to optimize processing technologies to minimize the amount of waste. Food processing wastes have a potential for conversion into useful products of higher value as by product, or even as raw material for other industries, or for use as food or feed after biological treatment.

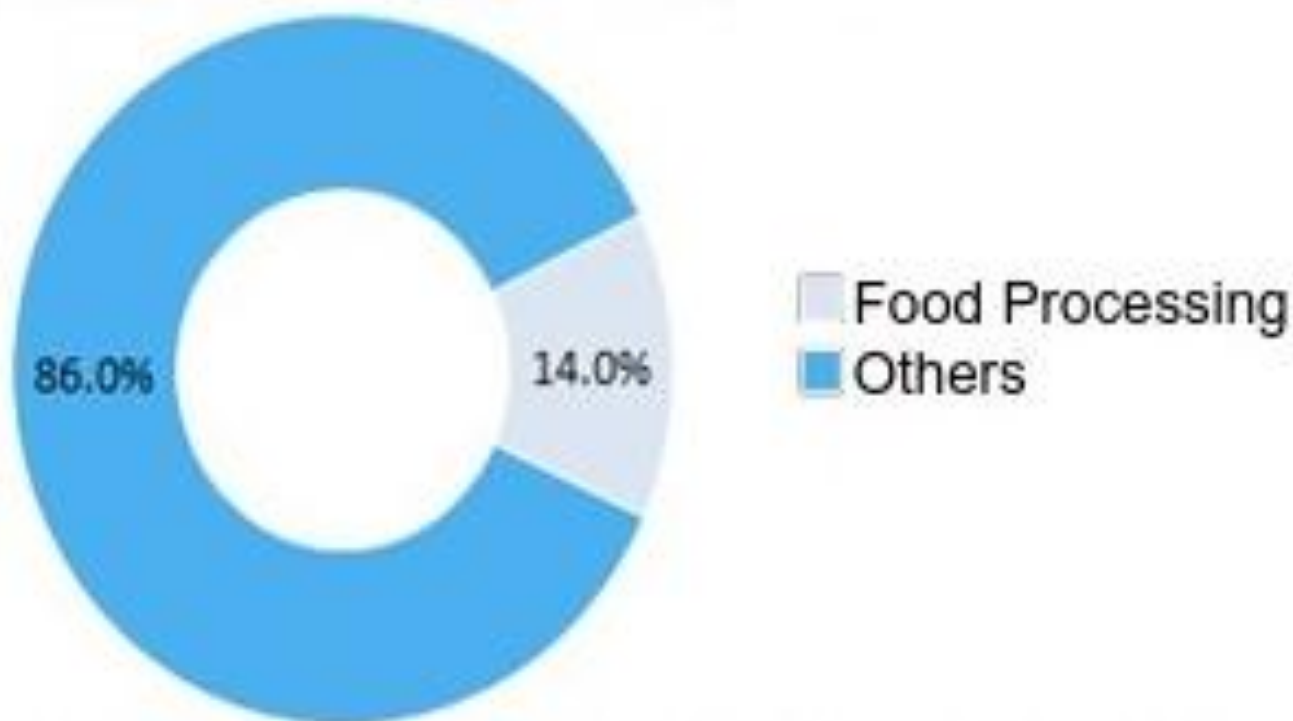
There are many examples of utilizing waste materials from plant material processed by canneries, there are many other types of waste that can be utilized. In many canneries, the organic from the processing system is combined with the other types of non-usable wastes, such as hardware, glass, cans, nails etc. Food industry should also have to concentrate on waste avoidance as well as utilization of process wastes. All the combined efforts of waste minimization during the production process, environmentally friendly preservation of the product, and utilization of by products would substantially reduce the amount of waste, as well as boost the environmental aspect of food processing industry.


Market Outlook

The food processing industry is one of the largest industries in India and ranks fifth in terms of production, consumption and exports. As per the latest data available, food processing sector is expected to reach US\$ 258 billion in FY15.

In FY16*, food processing industry constituted 14 per cent to India's GDP through manufacturing.

Food Processing Industry's Contribution to india's GDP through Manufacturing






During FY11–16, India's exports of processed food and related products (inclusive of animal products) grew at a CAGR of 11.74 per cent, reaching US\$ 16.2 billion.

In FY17* India's exports stood at US\$ 1.3 billion.

Export in US\$ Billion





The Indian food retail market is expected to reach Rs. 61 lakh crore (US\$ 915 billion) by 2020.

The Indian food processing industry accounts for 32 per cent of the country's total food market, one of the largest industries in India and is ranked fifth in terms of production, consumption, export and expected growth.

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Tags

Food Processing Management, Food Processing, Management in Food Processing Industry, Managing Food Processing Industry Waste, Industrial Food Processing Waste, Managing Food Processing Industry in India, Managing Food Processing Unit, Food Production Management, Waste Management in Food Processing Industry, Treatment and Disposal of Food Processing Waste, Waste Management in Food Industry, Waste Treatment in Food Processing Industry, Waste Management and Utilization, Food Waste Disposal, Industrial Food Waste Management, Food Waste Disposal and Handling, Food Wastes Disposal Methods, Waste Management Opportunities in Food Processing Industry, Management and Utilization of Food Processing Wastes, Solid Waste Management in Food Processing Industry, Disposal of Food Processing Wastes, Waste Management and Methods of Waste Disposal, Reducing and Managing Food Waste, Treatment of Food Processing Wastes, Food Processing Waste Management, Industrial Wastes Food Processing, Food Industry Waste Management, Waste Treatment Plants, Processing of Food Wastes, Waste Management and Utilization in Food Production, Managing Food Industry Waste, Food Waste Management, Management of Food Processing Waste, Food Waste Recycling, Waste Management in Food Manufacturing, Food Waste Collection, Food Waste Collection, Disposal & Recycling, Waste Management Plan, Food Waste Recovery, Fruit Waste Utilization, Waste Utilization of Fruits and Vegetables, Fruit and Vegetable Waste Management, Waste Utilization in Food Industry, Method for Quantitative Recovery of Protein,

Tags

Recovery of Protein, Fat Extraction, Treatment of Fatty Effluent, Recovery of Utilization of Protein, Conversion of Bone to Edible Products, Making Animal Feed from Food Waste, Food Waste to Animal Feed, Animal Feed from Food Waste Process, Food Waste Conversion to Animal Feed, Protein Production of Earthworm, Production and Processing of Earthworm Protein, Food Processing Waste and Agricultural Effluents, Recycling Coffee and Tea Wastes, Tea Waste Management, Tea Waste Composition, Starch Waste Treatment, Aerobic Process for Treatment of Wheat Starch Effluents, Dairy Industry Waste, Treatment of Dairy Waste, Waste Management in Dairy Industry, Dairy Waste Management, Dairy Industry Waste & its Treatment, Disposal of Dairy Waste, Waste Management in Dairy Processing Industry, Managing Waste in Dairy Processing Industry, Mechanical Recovery of Meat, Recovery from Effluents, Utilization of Food Waste in Pet Food Industry, Canning and Food Processing Wastes as Feedstuff and Fertilizers, NPCS, Niir, Process Technology Books, Business Consultancy, Business Consultant, Project Identification and Selection, Preparation of Project Profiles, Startup, Business Guidance, Business Guidance to Clients, Startup Project, Startup Ideas, Project for Startups, Startup Project Plan, Business Start-Up, Business Plan for Startup Business, Great Opportunity for Startup,

Small Start-Up Business Project, Best Small and Cottage Scale Industries, Startup India, Stand Up India, Small Scale Industries, New Small Scale Ideas for Food Processing Management Industry, Food Processing Management Business Ideas You Can Start on Your Own, Indian Food Wastes Disposal Industry, Small Scale Food Waste Collection Processing, Guide to Starting and Operating Small Business, Business Ideas for Silage Production, How to Start Food Waste Collection Business, Starting Silage Production, Start Your Own Food Wastes Disposal Business, Food Processing Management Business Plan, Business Plan for Food Waste Collection, Small Scale Industries in India, Food Processing Management Based Small Business Ideas in India, Small Scale Industry You Can Start on Your Own, Business Plan for Small Scale Industries, Set Up Food Processing Management, Profitable Small Scale Manufacturing, How to Start Small Business in India, Free Manufacturing Business Plans, Small and Medium Scale Manufacturing, Profitable Small Business Industries Ideas, Business Ideas for Startup

Niir Project Consultancy Services (NPCS) can provide Process Technology Book on

Waste Management in Food Processing Industry

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in Animal Feeds)*

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- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*

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We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.



What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Business Plan*
- *Industry Trends*
- *Market Research Reports*
- *Technology Books and Directory*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*



Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

Sectors We Cover

- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

Sectors We Cover *Cont...*

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

Sectors We Cover *Cont...*

- *Copper & Copper Based Projects*
- *Dairy/Milk Processing*
- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

Sectors We Cover *Cont...*

- *Fruits & Vegetables Processing*
- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitability Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

Sectors We Cover *Cont...*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

Sectors We Cover *Cont...*

- *Paints, Pigments, Varnish & Lacquer*
- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

Sectors We Cover *Cont...*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

Sectors We Cover *Cont...*

- *Township & Residential Complex*
- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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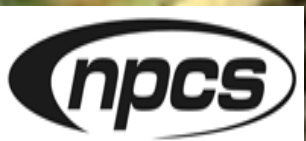
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