

HUNGARY

Monori sweet sugar sorghum in biogas production

The aim of the technology is the stabilization of the biogas production process utilizing the green stalk of the Monori sweet sorghum plant in relation with biomass, different organic materials, and liquid manure.

The sorghum secures primarily the stability of the gas production; it is also suitable for the production of gas in high quantities.

The application of sugar sorghum in the case of the materials mentioned not only stabilizes gas production but also secures a continuous and highly efficient level of its production. Therefore the operating costs will be much lower, and the time period necessary for the degradation of the biomass and the harmful influence on the environment will also be decreased.

Sector

Agriculture; and

Agro-industry.

Areas of application

The technology ensures stable gas production in biogas plants, and therefore it can be used firstly for biogas plants and biogas plants of agricultural, animal husbandry, and food processing companies.

Advantages

The procedure does not use chemicals, therefore it is eco-friendly. The Monori sweet sugar sorghum can be used for economical biomass production; besides it is energy efficient and can be easily processed and utilized as animal feed and for energy (high output of methane per ha) purposes, or for bioethanol production purposes. 1 kg of dry matter produces 480-600 litres of gas. The Monori sweet sugar sorghum is also used for sugar production, because of its high RF sugar content.

Transfer terms

Consultancy

Contact details:

Peter Mogyorosi

Laser Consult Ltd

H-6701, P. O. Box 1191

Szeged, Hungary

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HUNGARY

Utilization of wastes from sunflower or rape seed oil industries

Our partner, a Hungarian SME has developed a new procedure for the utilization of wastes produced by sunflower or rape seed oil industries.

The aim is to prepare a complex technology which contributes to the agricultural use of industrial oil residues.

That means that the end-products of the offered technology can be used for animal feeding and animal bedding in the cattle feedlots and it can be used as compost for plant nutrition.

Sector

Environment

Area of application

The offered technology can be used by the vegetable (sunflower or rape seed) oil industry.

Advantages

- The technology provides complex agricultural use of wastes produced by vegetable oil industry;
- The application of newly developed feed additives results higher weight gain and feed utilisation rate and shorter fattening period;
- The feed additives as an end-product of the procedure reduce the total N loss and the ammonia emission;
- The stabilized secondary wastes can be utilized as a bedding material; and
- The composted secondary wastes have high agronomic value: also the technology results a new solution for soil manuring and soil improvement.

Transfer terms

Technology licensing

Contact details:

Peter Mogyorosi

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INDIA**Waste plastics into industrial fuel**

We offer plants for converting non-recyclable waste plastics into industrial fuel - fuel quality far superior to the conventional industrial fuels such as furnace oil or light diesel oil. All types of plastics can be processed. We can also supply technology. Serious customers can get their waste plastics tested on our demo plant. Plants as small as 1 TPD of plastics up to 30 TPD can be supplied. They can also be custom made to specific requirements. Municipal bodies, industries involved in generation of non-recyclable plastic scrap, plastic scrap dealers who have access to non-recyclable cheap plastic scrap and entrepreneurs are most welcome.

Sector

Plastics

Area of application

Converting waste plastics (non-recyclable cheap plastic scrap) into industrial fuel.

Advantages

Disposal of non-recyclable waste plastics keeps the environment clean and gets excellent monetary returns, because the industries that have their own plastic scrap generation can generate fuel at a very low price.

Environmental aspects

Cleaner Production; Waste utilization; Energy efficiency; and Systems integration.

Development status

Pilot plant; Commercial prototype.

Legal protection

Trade mark; and
Patent.

Technical specifications

Plants having capacity as low as 1 TPD of plastics offered, and there are no upper limits on higher capacities.

Transfer terms

Consultancy;
Joint venture;
Technology licensing; and Turnkey.

Contact details:

Rajesh Kulkarni

Atharva ProcTek, Pune 411052, India

Tel: (+91) 9423014516

E-mail: response@aproctek.com

Web: www.aproctek.com

PHILIPPINES**Liquefaction technology for integrated solid waste**

This facility is a complex waste processing plant where waste segregation-treatment-conversion-recycling and final disposal of inert materials are conducted in a manner that is environmentally safe, proper and economically sustainable.

Sector

Environment

Areas of application

Local government units; and
Manufacturing companies.

Environmental aspects

Cleaner production;
Waste utilization;
Energy efficiency; and
Systems integration.

Development status

Fully commercialized

Legal protection

Patent

Transfer terms

Consultancy;
Joint venture;
Technical services; and
Technology licensing

Contact details:

Gloria Theresa Cutab

EPA, PCAPI

No. 1 Soliven St.

Commonwealth Heights Subdivision

Quezon City 1121

The Philippines

Tel: (02) 9324756

Fax: (02) 9324758

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THAILAND

**Food-paste
moulding machine**

The food-paste moulding machine produces cylindrical-shaped food paste with both ends sealed. This machine enables faster, hygienic production of food-paste with size consistency, and this increases business potential in bigger markets both locally and abroad. Colour-coated steel provides the framework for the moulding machine, which houses 3 stainless steel rollers. These rollers are driven by a 1/3 horsepower motor and the distance between the rollers can be adjusted to mould cylindrical pieces with diameter between 20-60 mm and length between 25-300 mm. The machine produces 100-500 pieces per hour. It is also easy to use, maintain, and clean.

Sector

Food processing

How to use

Put the food paste in the space between the lower pair of rollers and control the diameter of the pieces by pulling the lever. Push down the top roller until it touches the surface of the paste and then switch on the machine. All three rollers will roll at the same speed to shape cylindrical pieces in 50 seconds. The diameter-controlling lever is released before the cutting blade cuts a long piece into smaller pieces of a specified size. When the cutting blade is released, the product falls into the receiving tray waiting for the final wrap-up step.

Advantages

This machine enhances productivity, and the finished products come in a regular shape and size. Also, it is very hygienic. This machine is another innovation which responds to the need of community business to produce food paste.

Environmental aspects

Cleaner production

Development status

Commercial prototype

Transfer terms

Technology licensing

Contact details:

*Thongchai, Coordinate
Office of Permanent Secretary, Ministry of Science and Technology Rama VI Road , Ratchathevi
Bangkok 10400, Thailand
Tel: (+662) 354 4466, ext 616
Fax: (+662) 354 3712; E-mail: tpd@most.go.th*

UNITED KINGDOM

**Non thermal
plasma technology**

A plasma technology has been developed after many years of research that can be used in the following two ways:

- As a diesel particulate trap; and
- To remove pollutants from industrial gas streams.

Sector

Environment

Areas of application

- Diesel engines of all types including stationary pollutant; and
- Odour removal from industrial gas streams.

Environmental aspects

Cleaner production

Development status

- Laboratory model; and
- Commercial prototype.

Legal protection

- Trade Mark;
- Patent;
- Copyright designs; and
- Technical reports.

Technical specifications

Prototypes tested by engine and vehicle manufacturers.
Tests conducted on industrial site.

Transfer terms

Technology licensing;
Sale of patents; and
Others.

Contact details:

*John Garrod
21 Haywards Close, Wantage
United Kingdom
Tel: 01235764885
E-mail: garrodje@tiscali.co.uk*

TECHNOLOGY REQUESTS

INDIA

Organic biofertilizers

Technology and related basic level information needed for setting up a new plant for the manufacture of organic biofertilizers.

Sector

Biotechnology

Area of application

Agriculture

Project type

Start-up

Contact details:

Rahul Gupta

17, Civil Lines Near Allahabad Bank

Moradabad 244001, India

Tel: (+91) 9837087337

Fax: (+91) 5912415647

E-mail: shivami1@sancharnet.in

INDIA

Spirulina cultivation

Latest technology and a detailed project report, if possible, needed for spirulina cultivation. Assistance is also sought for details of spirulina cultivation and marketing.

Sector

Biotechnology

Areas of applications

Bio-technology; and

Herbal products.

Project type

Start-up

Estimated project cost (US\$)

10000

Contact details:

Pradeep

Erode

Tamilnadu, India

Tel: 9884218485

E-mail: cpcp@aol.in

INDIA

Food processing

South Indian based firm intends to acquire technology consultants for the manufacture of chocolate from cocoa powder and also other variants of chocolates.

Sector

Food processing

Area of application

Food industry for ice cream, bakery products, etc.

Project type

New idea

Contact details:

Quinchem Pvt Ltd

Indian Drug Dept

C-29, Shop No:7, II Floor, II Avenue

Chennai 600040, India

Tel: (+91-44) 2628 6826; Fax: (+91-44) 2628 6830

E-mail: quinchem@vsnl.com

INDIA

Aloe vera extraction plant and machinery

Consultancy sought for setting up an aloe vera extracts manufacturing plant on a turnkey basis from plant commissioning to end product marketing. Consultants interested in forwarding their services can also forward their quotes for their respective field of strengths.

Sector

Consultancy and other services

Area of application

Herbal extraction plant

Project type

Start up

Contact details:

Prashant Rastogi

India

E-mail: *rastogi.prashant@gmail.com***Estimated project cost**

US\$ 2000000

Contact details:

*Hari Nagumalli**3-1/4-1, Dakkini Street**Vizianagaram 535001, India*

Tel: (+91) 9849838990

E-mail: *nvharikumar@hotmail.com***INDIA****Patented intra-ocular lens designs and polishing**

Technology or knowledge base sought for designing and developing state-of-the-art intra ocular lenses or IOLs. We want to develop IOLs that are more affordable for poor families but with superior design and quality. We are also looking for technology that will help us polish these new technologically developed lenses - hydrophilic or hydrophobic lenses.

Sector

Medical technologies

Area of application

Manufacturing process for hydrophilic or hydrophobic intra ocular lenses.

Project type

Start up

INDIA**Welding electrodes**

Technology sought for the manufacture of welding electrodes; along with details about the manufacturer of the plant and machinery and the prices.

Sector

Electrical and Electronics

Project type

New idea

Contact details:

*Pradeep**Marwari Para**Sambalpur 768001**Orissa, India*

Tel: (+91-66) 32541958

E-mail: *jpk101@gmail.com***ASEAN Supporting Industry Database**

The ASEAN Supporting Industry Database (ASID) is one of ASEAN's attempts to increase the awareness of supporting industries in ASEAN member countries. Investment promotion organizations in ASEAN member countries are responsible for developing this database, consolidating and updating the data, and activating the service on the Internet to permit global access to the ASEAN industry information. The portal acts as a business information centre to facilitate business translations for the ASEAN manufacturers.

It links buyers and sellers by being an information source to both parties, and also minimizes costs of buyer and seller sourcing. A registered user with ASID will be able to send inquiries direct to suppliers, post buyer requests, view and respond to buyer requests. The Database is available to companies free of charge.

The Database provides the following services:

- A home page with a link to the company's existing website.
- An on-line catalogue which enables a company to provide any information to the public as much as needed on the internet.
- A document which provides information (e.g. studies, roles and regulations, ASEAN agreement etc) for downloading.

For more information, access: <http://www.asidnet.org>