news of bahrain THE tribune

Use Anaerobic fermentation to manage biodegradable waste, says AGU expert

- AF will help Bahrain produce 213.3 gigawatt-hours of electricity annually
- To produce 107,050 tons of compost
- Stop 536,000 tons equivalent of Carbon dioxide annually

TDT | Manama

mplementing anaerobic ferto manage biodegradable rain would help curb the prolent of Carbon dioxide annually, from its sales. said a top expert from Arabian Gulf University.



mentation (AF) technology Participants at the 14th Gulf Water Conference in Riyadh

sources and Environment De- ence in Riyadh. Dr Sumaya Youssef of the partment at AUB said this while Dr Youseef pointed out that ering that each tonnes of organic

waste and sewage waste in Bah- Bahrain produce approximately tion technology for managing 213.3 gigawatt-hours of electric- organic waste and sludge from duction of 536,000 tons equiva- ity and earn \$4,265,950 annually wastewater treatment plants in through the sales of compost produce 107,050 tons of com- environmental benefits achieved Bahrain and biogas production produced along with biofuels. post, at an international selling by stopping biodegradable waste The Head of the Natural Re- at the 14th Gulf Water Confer-

Arabian Gulf University said presenting a study on the fea- sewage generated from landfill water produces 0.2 tonnes of the annually in backfill costs in the through an anaerobic fermentathe technology would also help sibility of anaerobic fermenta- wastewater treatment plants digester."

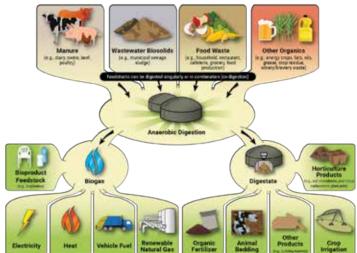
emits methane, a greenhouse gas 25 times more powerful than carbon dioxide, for its ability to cause global warming.

In this regard, Dr Youssef called on the decision-makers to utilise anaerobic fermentation technology to manage biodegradable water in Bahrain, especially for sewage sludge.

Production of biogas, the doctor said, is a promising source of renewable energy for Bahrain.

The anaerobic fermentation facility for treating biodegradable waste that goes to landfills annually would help generate approximately 213.3 gigawatt-hours of electricity and annual revenue of \$4,265,950 from electricity sales.

The second source of revenue from this project would be "This would generate revenues price of \$6 per tonnes." in the range of \$64,2301, consid-



This figure illustrates the flow of feedstocks through the AD system to produce biogas and digestate. (Courtesy of United States Environmental Protection Agency).

"This project is expected to

It would also result in direct in the landfill, which amounts The project, Dr Youssef said, to about 536,000 tons equivawould save about \$8.47 million lent of Carbon dioxide annually, tion plant.



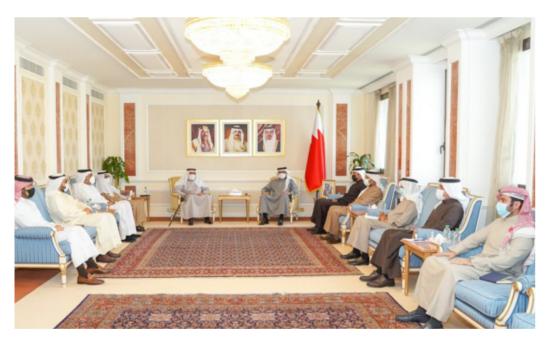
What is anaerobic digestion technology?

Anaerobic digestion is a process through which bacteria break down organic mattersuch as animal manure, wastewater biosolids, and food wastes-in the absence of oxygen. Multiple organic materials can be combined in one digester, a practice called co-digestion. The anaerobic process removes the bulk of COD (Chemical Oxygen Demand) from the wastewater by converting it into biogas (= methane + carbon dioxide) at low operational costs

Anaerobic digestion is particularly suited to organic material, and is commonly used for industrial effluent, wastewater and sewage sludge treatment.

How does anaerobic digestion make electricity?

To get electricity from anaerobic digestion, we burn the biogas in generators. While this does produce CO†, it's still a renewable, carbon-neutral process. ... By capturing the methane and converting it to CO†, we generate electricity while preventing methane from escaping into the atmosphere.



The Minister of Foreign Affairs. Dr Abdullatif bin Rashid Al-Zavani. held discussions vesterday at the ministry with the editors-in-chief of local newspapers. Akhbar Al-Khaleei Editor-in-Chief. Anwar Abdulrahman. Editor-in-Chief of Al-Ayyam, Issa Al-Shayji, Editor-in-chief of Al-Bilad, Mounis Al-Mardi, and Editor-in-Chief of Al-Watan, Ihab Ahmed, were present. The minister briefed the latest developments and diplomatic efforts made to implement the foreign policy of Bahrain at the regional and international levels. The meeting was also attended by the Undersecretary for Political Affairs, Ambassador Dr Shaikh Abdulla bin Ahmed bin Abdulla Al Khalifa, the Chief Executive Officer of the National Communication Centre (NCC). Yousif Mohammed Albinkhalil, the Director-General of Ministry Affairs. Ambassador Talal Abdulsalam Al-Ansari, the NCC's Deputy Chief Executive Officer, Ahmed Khalid Al Oraifi, and the Acting Chief of Communications at the ministry, Dr Ismaeel Naji Al-Ameen.

Dilmun expo @ Louvre in Paris

TDT | Paris

 ${f B}$ ahrain's Ambassador in Paris Shaikh Khalifa bin Ahmed Al Khalifa yesterday held talks with the Director of the Musée des Arts Décoratifs, Olivier Gabet, on the upcoming Dilmun exhibition at the Lou-

This came as Shaikh Khalifa visited the Les Arts Décoratifs in Paris. Decoratifs is closing its "Cartier and Islamic Arts" exhibition sponsored by the Louvre and Cartier Foundation.

The exhibition sheds light on the contribution of Islamic arts to modernity in the West.

Shaikh Khalifa toured the section featuring pieces made using Bahraini pearls.

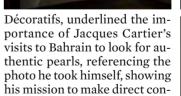
The upcoming Dilmun exhibition at the Louvre in Paris comes in response to a bilateral agreement on the sidelines of Décoratifs, underlined the imthe last visit of His Majesty the King to France.

Évelyn Possémé, the chief curator at the Musée des Arts



Shaikh Khalifa bin Ahmed Al Khalifa at "Cartier and Islamic Arts" expo





nections with pearl merchants. The exhibition includes a section on "Jacques Cartier in India and Bahrain". Jewellery on display has Bahraini pearls, which Jacques Cartier was looking for in the Kingdom.

The section also reviews archival documents and histori- the archives of Jacques Cartier





cal photos of pearl fishing and during his visit to Bahrain durtrade in Bahrain documented in ing the years 1911 and 1912.

Publishing Fake news: Public Prosecution releases 'Delmon Post' official on bail

TDT | Manama

Public Prosecution said it is investigating Delmon post, an online news website, for allegedly publishing a fabricated news piece on a meeting between local societies and a foreign party.

Without naming the person under investigation, the Prosecution said they had released

The online news website allegedly published

a new piece on a meeting between local societies and a foreign party, which the societies later denied.

ther investigation.

The statement said he gained claims made by the *Delmon Post*. his release on "the guarantee of his place of residence."

Interior Ministry, in a statement, earlier announced refer- to inflict damage to the public ring a person in charge of an interest of Bahrain. online news website to the Public Prosecution for publishing man facing the accusation in the

The investigation follows the Bahrain Journalists Association.

the person on bail, pending fur- statements issued by members in the said meeting denying

> The Public Prosecution statement said that the news published on the website is bound

> Prosecutors questioned the presence of the President of the

TENDER NOTICE

The Embassy of India, Bahrain invites bids/ quotations from reputed firms for supply of 04 (four) Local Security Guards for manning its Chancery cum Residential Complex. For details, please check the Tenders page of the Embassy's website at *http://eoibahrain.gov.in/* or send email to hoc.bahrain@mea.gov.in