

whatnext 2016

EMERGING TECHNOLOGIES AND TRENDS
SPOTTING NEXT GEN ENTREPRENEURIAL OPPORTUNITIES

Water

CLEAN TECHNOLOGY SESSION



Presented by

SAURABH GAUTAM – Founder [enviroX](#)

What Is clean Tech ?

IT IS USED TO DESCRIBE PRODUCTS, PROCESSES OR SERVICES THAT REDUCE WASTE AND REQUIRE AS FEW NON-RENEWABLE RESOURCES AS POSSIBLE.

YES!

IT CAN ALSO BE APP WHICH HELPS YOU SAVE PETROL BY SHOWING THE SHORTEST ROUTE



What Is Water Tech doing In Clean tech ?

ITS JUST NOT CLEANING OR PURIFYING WATER WHAT WE PERCIEVE.
ITS MORE THAN THAT AND LETS JOIN THIS JOURNEY.



LETS SEE WHAT IS ALREADY THERE IN NEXT SLIDES

Shower that saves 90% Water !



It Saves water in two ways

- ▶ First it has water droplets are smaller in size (droplets) as to conventional water droplets in shower
- ▶ Then It recycles waters which you use for showering .
- ▶ Simple technology and efficient one.

Source: Orbital Systems

The Israeli Invention which saves water

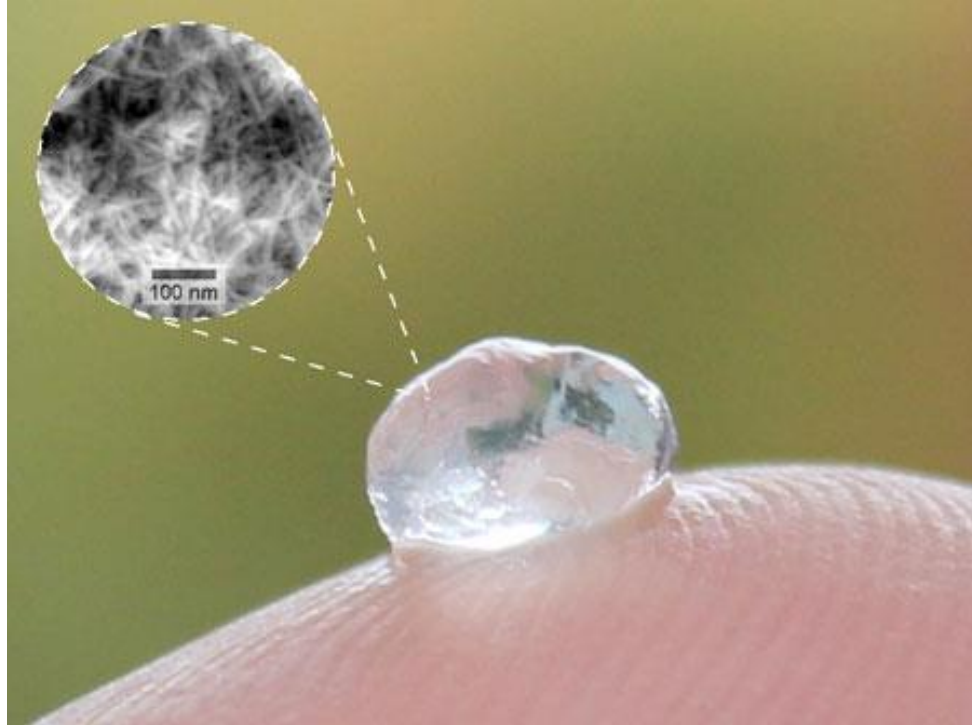


Drip Irrigation

- ▶ Invented by **Simcha Blass** an Israeli and it has transformed irrigation across the world
- ▶ Discovered in his backyard and simple concept by delivery of required water needed by plant.
- ▶ Preventing evaporation

Source: Eliyahoo's Branches book

The Invention which stores water

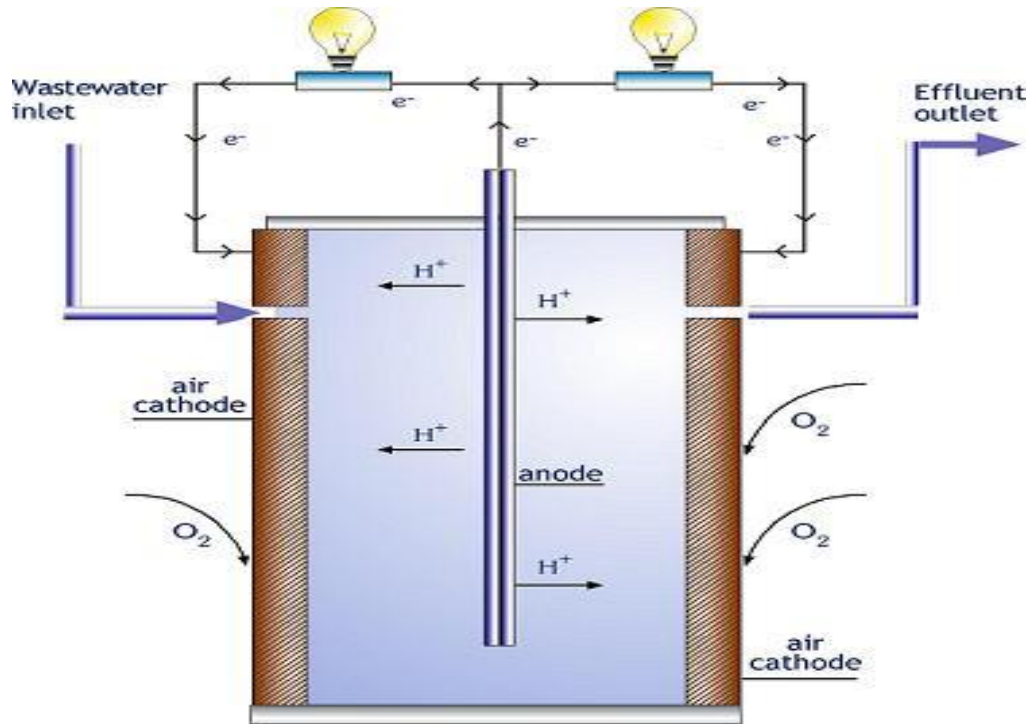


Biodegradable Hydrogel

- ▶ Invented at IARI, Pusa Road
- ▶ Absorbs water or any water soluble materials 100 times their weight
- ▶ Added to the soil to increase water retaining capacity of soil esp. In sand.

Source: IARI Tech Transfer

The innovation which generates electricity from waste water

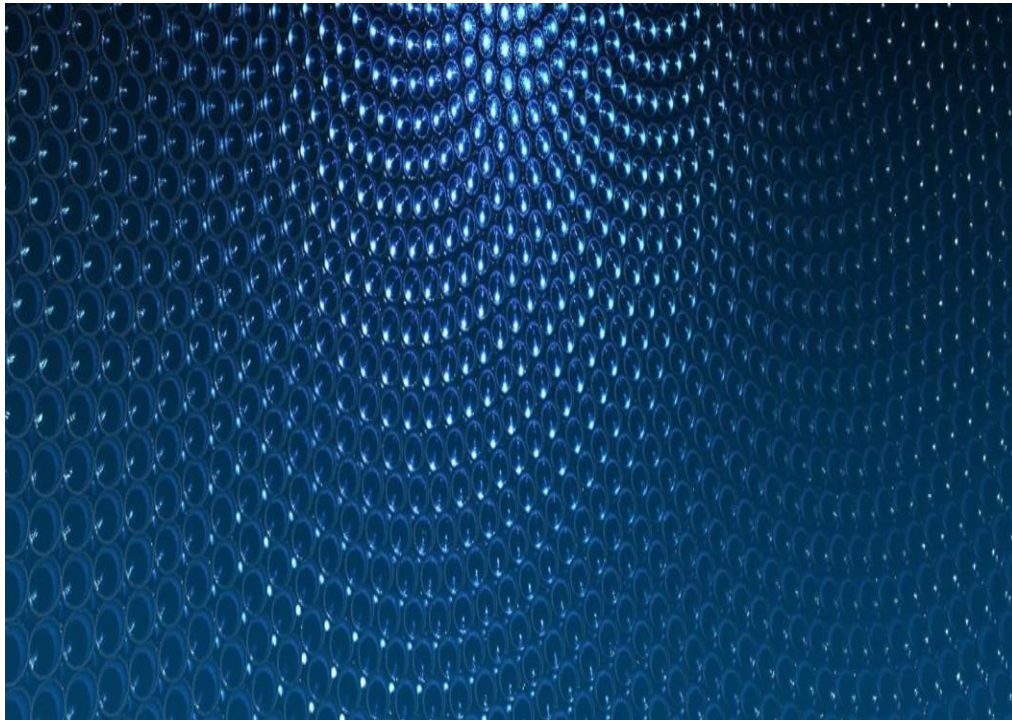


Microbial fuel cell

- ▶ Uses electrogenic bacteria i.e bacteria which produces electricity form the waste water
- ▶ This technology is developed in Israel.
- ▶ One of the most efficient technology in waste water treatment.

Source: emefcy

Desalination using biomimetic membranes

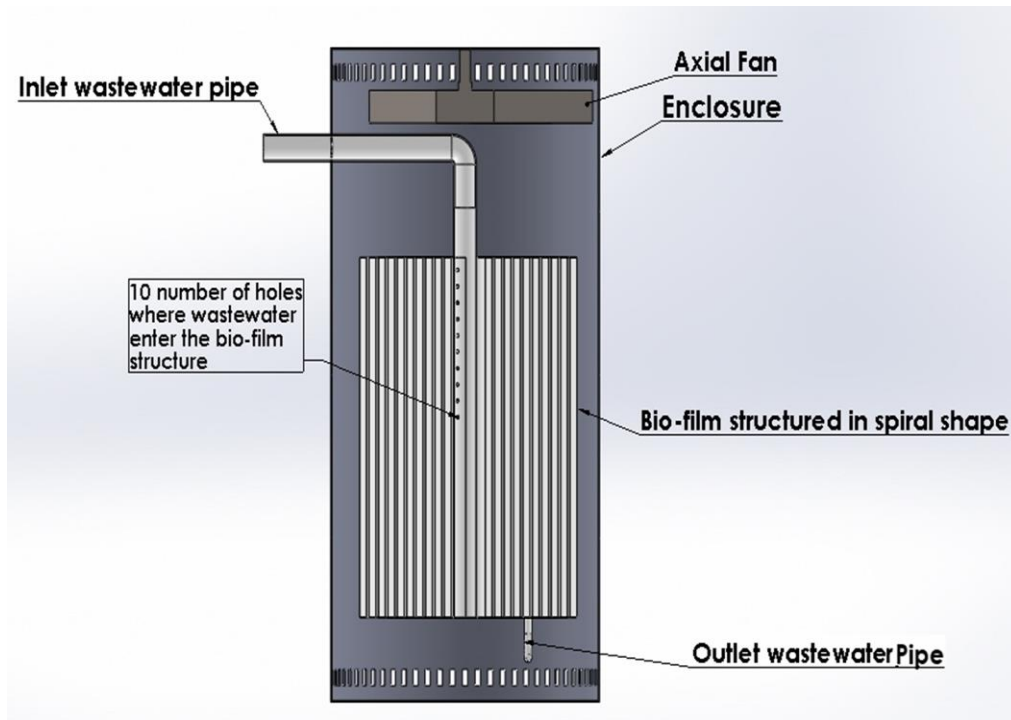


Biomimetic Membranes

- ▶ The membranes developed to mimic mangroves
- ▶ Mangroves grow in is salt water and use fresh water made by them
- ▶ The technology mimicking the nature

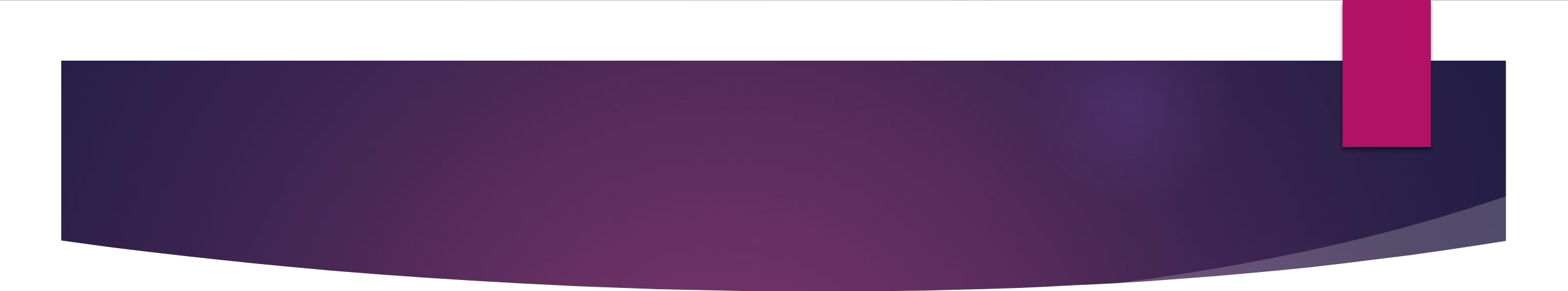
Source: mangrove membranes

The Product we are making



TBBM

- ▶ We are using biofilm formation
- ▶ It reduces electricity consumption by 60% during waste water treatment
- ▶ Modular design
- ▶ Scalable



*“When the well runs dry, we shall know
the value of water.”* –**Benjamin Franklin**

What we can do at our ends

- ▶ The Home RO WATER WASTES 75%of waste water to Give 25% waste water.
- ▶ We can collect his waste water and can be used for washing cloths, gardening etc.
- ▶ Less than **1%** of all the water on earth is fresh water that we can actually use, CONSERVE IT ,REDUCE AND RECYCLE.



Thank You!