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Point for discussion this month
Energy requirement of Sewage Treatment Plants

(For private circulation only)

Dear Readers,

This photograph is not of a garden, but it's a treatment system based on ecological principles. It is a vertical filtration unit which treats wastewater from one chocolate making food industry.

We thank you all for receiving this newsletter enthusiastically. Especially we received encouraging responses from Dr. Madhavarao Chitale – Stockholm Water Prize winner, Dr. S. N. Karkhanis – expert in river monitoring, Dr. M. S. Kodarkar – renowned limnologist, and Dr. D. R. Ranade – well known authority on anaerobic digesters.

Dr. Madhavarao Chitale emphasized on judicious use of technologies to control the pollution while talking to our Sandeep Joshi in the journey to Pandharpur for Jaldindi. We Indians need less energy intensive pollution control systems as we have to achieve 100% efficiency in energy sector. Therefore, less energy requirement without compromising the results is the key in pollution treatment.

Sandeep Joshi says treating pollution properly means preventing deaths by slow poisoning - an effect of pollution – is a very responsible job for environmental professionals. They need to be trained properly. Hence, SERI plans to initiate students' study circle activity to discuss various environmental issues regularly.

We request you to send your comments on “point for discussion”. Wish you all Happy Diwali!

Thanking you,
Chief Editor

News capsule

Jaldindi 2006

This year's Jaldindi was organized during Oct. 3 - 14, 2006. It's a sacred journey of about 450 km through the waters of Indrayani and Bhima rivers using kayaks, motorboats, and sail boats.



Participants are from all walks of life - scientists, engineers, doctors, environment professionals, students, and villagers. In the Jaldindi river water quality is studied, health camps are organized and public awareness is done related to water quality and health issues.

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Consistency in Treatment of Food Industry Wastewater

The Soil Scape filter in combination with Biotower is consistently providing treated water having COD less than 70 mg /L. The ETP having these two units became operational in Morde Food Products, Manchar Dist. Pune last two years.



The Soil Scape filtration plant in combination with biotower has given consistency in reducing the pollution load up to 95% consistently. This was noted when SERI's representative visited the plant.

- Suhas Patil

SERI's Ecotechnology

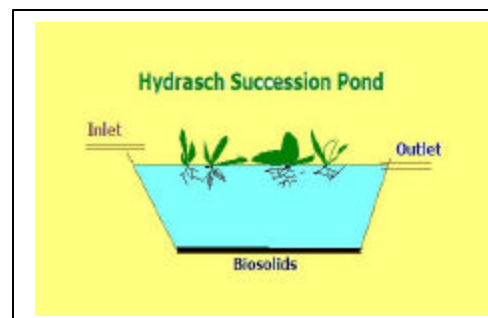
2. Hydrasch Succession Pond

Useful for domestic and industrial wastewaters

- Application of succession of communities in pond ecosystem and adaptation of aquatic flora and fauna to treat domestic and industrial pollution.



- It's an open water system, with floating and submerged plants, establishing a detritus food chain with various trophic levels responding quickly to the type and concentration of incoming pollutants.



It is experienced that this technique is useful for the areas where continuous supply of electricity is an issue.

- Sayali Joshi

For Microbial cultures in Waste Treatment

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