

REPORT ON SUSTAINABLE SANITATION: WEBINAR

MoEF & CC's ENVIS (Environment Information System) Resource Partner, Consumer Education Research Centre (CERC), Ahmedabad working on the thematic mandate of "Environment Literacy: Eco - Labeling and Eco Friendly Products" organized a **Webinar on "Sustainable Sanitation"**. It was a joint effort by Gujarat's ENVIS Resource Partners - Gujarat Cleaner Production Centre (GCPC) and National Institute of Occupational Health (NIOH) working on the thematic mandate of "Cleaner Production and Clean Technology" and "Environment and Occupational Health" respectively.

Date: 18th June, 2020

Timings: 11.30AM - 12.30PM

Ms. Apeksha Sharma was the moderator who anchored the entire webinar.

The speakers and the topics are as follows:

- Dr. Bharat Jain, Member Secretary Gujarat Cleaner Production Centre & GCPC-ENVIS Coordinator:
Topic: Optimization of Resource Consumption for Sustainable Sanitation
- Dr. J Majumder, Scientist D (Ergonomics), ICMR-National Institute of Occupational Health & Coordinator ENVIS-NIOH
Topic: Sustainable Sanitation in Occupational Health
- Mr. Ravindra Deodhar, Chief Operating Officer, Shree Siddhi Group
Topic: Sustainable Sanitation in Real Estate
- Mr. Uday Mawani, CEO, Consumer Education & Research Centre and CERC-ENVIS Coordinator
Topic: WASH in health care facilities

Dr. Bharat Jain, GCPC-ENVIS Coordinator, gave a presentation on Optimization of Resource Consumption for Sustainable sanitation. Dr. Jain gave few statistics on the availability of water resources in Gujarat and in India. He also correlated water management with Sustainable Management and cited few case studies of 4 barrel system of wastewater treatment in Thiruvananthapuram (Kerala). He also focused on the Black and Grey water composition, the Design of Grey waste water management system and its possible uses. He also cited few advanced technologies that would help us consume less water such as Dual Flush Toilets, Aerators, Flow Fixtures, and Sensor Taps etc. He also explained Sewage Treatment Plant, its Compact Installation, Municipal Solid Waste Generation and its Management, Organic Food waste converters citing the examples of Temple Waste and case studies etc.

Dr. J Majumder, NIOH-ENVIS Coordinator, made a talk on Sustainable Sanitation in Occupational Health. He made some very good points on clean work station, provision of clean drinking water in offices, maintain personal hygiene etc. He also gave some tips and ideas to understand the health risk involved and the precautions and preventions to be taken to improve working conditions and practices.

Mr. Ravindra Deodhar, Chief Operating Officer, Shree Siddhi Group, gave an insightful presentation on how the past Harappan civilization practiced sanitation and compared it with the current scenario. He also aimed at the current problems faced and efforts there being taken to overcome these problems.

Mr. UdayMawani, CERC-ENVIS Coordinator, talked about some ancient practices and the science behind it. He also gave some examples on how reviving those traditions have played an important role during this COVID 19 pandemic.

Ms. Divya Namboothiri concluded the Webinar with a thank you note and appreciated all the speakers and participants for their time.

GALLERY:

Composition of Black water and Grey water Generation

Blackwater is water that has been mixed with waste from the toilet. Because of the potential for contamination by pathogens and gases, water from toilets and dishwashers should be excluded from greywater and considered as blackwater.

Greywater is water from non-toilet plumbing fixtures such as showers, basins and taps.

Element	Water Consumption for
Drinking and Cooking	3%
Toilet Flushing	28%
Showering/Clothes Washing	2%
Bathing	4%
Washing Machine	11%
Washing	4%
Kitchen Dishwashing	17%
Washing	17%
Washing	10%

Category: Kitchen = 46.2%

Category: Bath and Shower = 30%

Category: Laundry = 17%

Category: Toilet = 2%

Category: Drinking and Cooking = 3%

Dr. Bharat Jain presented on Optimization of Resource Consumption for Sustainable Sanitation

Dr. Dr. J Majumder spoke on Sustainable Sanitation in Occupational Health



Mr. Uday Mawani spoke on WASH in health care facilities and linked with Indian Traditions for hygiene

Problems:

- Water is like white gold, next wars could be over water
- NITI ayog has predicted that Bengaluru, Chennai, Delhi will have ground water scarcity. 600 million Indians would face water stress
- CapeTown in South Africa is already facing issues

• Advt: Hair Shampoo - Born in Cape Town, Made for the World

Mr. Ravindra Deodhar Presented on Sustainable Sanitation in Real Estate