

Ref: KLEF/RO/CE/2023-24

Date: 13-12-2023

Orders of the I/c.Vice Chancellor & Pro Vice Chancellor Dr.A.V.S. Prasad dt.13-12-2023

CIRCULAR

Sub: Importance of Grey Water Treatment and Resource Recovery Technologies by
Department of CE, KLEF – Reg. Ref: Letter dated 13.12.2023 from Dr.P.Poluraju, HoD-
CE.

This is to inform that Department of Civil Engineering, KLEF, is conducting Importance of Grey Water Treatment and Resource Recovery Technologies on 15-12-2023.

Name of the Speaker : Dr. S. DHANASEKAR

Venue : Online

Time : 3:00 pm onwards

Meeting Link:

<https://kluniversity.webex.com/kluniversity/j.php?MTID=m0a9809d56ce41f479e77cea5351270ec>

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Thanks & Regards



Dr. K. Subba Rao
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Report

Online Webinar on

Importance of Grey Water Treatment and Resource Recovery Technologies

On 15th December 2023, 3.00 PM

In Association with CEA

Resource Person: Dr. S. DHANASEKAR, M.E., PhD, Assistant Professor, Department of Civil Engineering, SRM Institute of Science and Technology, Chennai.

Mode: Online

Total participated: 50

Faculty Coordinator: Dr. A. Aravindan, Professor, Department of Civil Engineering.

Wastewater generated from households can be classified into Grey water and black water. Grey water makes up a substantial portion of household wastewater. Such water consists of wastewater released from kitchen sinks, showers, laundries, and hand basins. Since the Grey water is not mixed with human excreta and due to the low levels of pathogenic contamination and nitrogen, it has received more attention for recycling and reusing in recent decades. Implementing decentralized grey water treatment systems can be an effective solution to overcome water scarcity by supplying a part of water requirement, at least non-potable demand, and decreasing pollutant emissions by eliminating long-distance water transportation in remote regions, like rural and isolated areas. This review focuses on grey water management in terms of reducing environmental risks as well as the possibility of treatment. Effective management of water reclamation systems is essential for a decentralized approach and to ensure the

protection of public health. In this regard, the environmental impacts of disposal or reusing the untreated Grey water are discussed. Furthermore, the most appropriate technologies that can be employed for the decentralized treatment of Grey waters like constructed wetlands, waste stabilization ponds, membrane systems, and elector-chemical technologies are described. Finally, this review summarizes resource recovery and sustainable resource reuse.

The poster features a background illustration of a house with various water fixtures labeled: DGTS, Washing Machine, Toilet, and Holding tank. A circular inset shows a portrait of Dr. S. Dhanasekar. The text is arranged in a structured layout with accreditation logos at the top and venue information at the bottom.

KL Department of **Civil Engineering**

CATEGORY 1 UNIVERSITY NAAC ACCREDITED BY THE STATE OF KERALA
RANKED 27 AMONGST NATIONAL UNIVERSITIES
42 YEARS OF EDUCATIONAL LEADERSHIP

In Association with CEA

Online Webinar on

IMPORTANCE OF GREY WATER TREATMENT AND RESOURCE RECOVERY TECHNOLOGIES

15th December.2023 @ 3 PM

Resource Person

Dr. S. DHANASEKAR. M.E., PhD,
Assistant Professor,
Department of Civil Engineering,
SRM Institute of Science and Technology,
Chennai.

Venue: Online (**WebEx**) Platform
Faculty Coordinator: **Dr. A. Aravindan**, Professor, CE, K L E F

Importance of Grey water treatment & Resource recovery technologies



Presented by
S. DIANASEKAR
Assistant Professor
SRM Institute of Science and Technology
Chengalpattu Dt - 603203., Tamilnadu,
INDIA.
Office: +91-044-27417859
Contact: +91- 9994150205



Handwritten signature of Dr. A. Aravindan.

Faculty Coordinator
(Dr. A. Aravindan)

Handwritten signature of Dr. P. Poluraju.

HOD-CE
(Dr. P. Poluraju)



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Co-host, me



Dr. S. DHANASEKAR

Host, presenter • Unverified



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