Gmail Sharan Karthik P M <sharan4karthik@gmail.com>

Fwd: Acceptance of chapter titled "The Overview of Sustainable Technologies for the Treatment of Industrial Wastewater and its Potential for Reuse" with ID "DPS06G82-31JL198RSAU31" under IIP Edited Book series

1 message

Bharathi Selva <selthi2003@gmail.com> Thu, Nov 30, 2023 at 12:05 PM
To: Sharan Karthik P M <sharan4karthik@gmail.com>

---------- Forwarded message ---------
From: **K Thara** <tharadinesh17@gmail.com>
Date: Wed, Sep 20, 2023 at 5:03 PM
Subject: Fwd: Acceptance of chapter titled "The Overview of Sustainable Technologies for the Treatment of Industrial Wastewater and its Potential for Reuse" with ID "DPS06G82-31JL198RSAU31" under IIP Edited Book series
To: Dr.N.Sampathkumar <drnsampathkumar@gmail.com>, Bharathi Selva <selthi2003@gmail.com>

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From: **IIP Series** <ashaiip@nbennur.in>
Date: Wed, 20 Sep 2023, 1:12 pm
Subject: Acceptance of chapter titled "The Overview of Sustainable Technologies for the Treatment of Industrial Wastewater and its Potential for Reuse" with ID "DPS06G82-31JL198RSAU31" under IIP Edited Book series
To: tharadinesh17 <tharadinesh17@gmail.com>

Dear "Dr. K. THARA, . G.Selvabharathi, Dr. N.Sampathkumar",

We are happy to inform you that your valuable chapter titled "**The Overview of Sustainable Technologies for the Treatment of Industrial Wastewater and its Potential for Reuse**" with ID "**DPS06G82-31JL198RSAU31**" submitted to IIP Book Series "**IIPV3EBS06_G82 Futuristic Trends in Chemical Material Sciences & Nano Technology**" under **Volume 3, 2023, IIP** Proceedings is accepted for publication after the transparent review from the committee which can be checked at your author dashboard.

We request you to register your paper on or before **9th October 2023** to proceed with the publication process. You need to mail the following to **register@iipseries.org** within said date:

1. Final paper in word file format. (Try to incorporate suggestions by the reviewers if possible)

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3. Single Postal address with contact number to dispatch the books and certificates

4. Mention your chapter ID (as mentioned above) in the subject of your email

The Overview of Sustainable Technologies for the Treatment of Industrial Wastewater and its Potential for Reuse

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ABSTRACT:

Industrial wastewater has been discharged into the environment as a result of industrial operations, which comprises organic/inorganic/toxic compounds that have been present in the form of dissolved/suspended matter. The amount and quality of industrial effluent vary greatly based on the type of industry that produces it. Depending on wastewater composition, it could be highly biodegradable/non-biodegradable, or include chemicals that are resistant to treatment. The growing prevalence and diversity of synthetic chemicals is a major problem with industrial wastewater. During wastewater treatment, highly complex, putrescible organic particles are partially removed and partially decomposed into mineral or fairly stable organic substances. Conventional treatment methods often need significant energy inputs, extensive land expanses, and high operating and maintenance expenses. Recently, improved wastewater treatment techniques such as membrane technology, electrochemical processes, and oxidation processes have been developed and the treated water from these systems may be reused in a variety of applications, including irrigation and landscaping. In this study, a variety of industrial wastewater sources, treatment methods, and reuse techniques are explored.

Keywords:

Industrial wastewater, Nano technology, Biochemical Oxidation, Activated sludge process

INTRODUCTION:

The Disparate behavior of industrial effluent treatment is used to adjust the pH in the treated Water, removal of oily nature substances like grease particles, removal of metals, biodegradable pollutants and other hazardous substances. The various industries like chemical, pharmaceutical,textile, mining, fertilizer manufacturing, pulp and paper industry, distillery, food processing industries are still suffering the wastewater treatment process because of removal of