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Greenhouse Effect by Investigating an Internal Combustion Engine (IC Engine) Using Argemone Mexicana (Waste Plant) Biodiesel Blends

Prasanta Kumar Rout

KIIT Deemed to be University, Bhubaneswar, India

M.K. Parida

C.V. Raman College of Engineering, Bhubaneswar, India

Mamuni Arya

Radhakrishna Institute of Technology and Engineering, Bhubaneswar, India

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12.1 Introduction

A review of the world energy utilization highlights that a significant fraction of the aggregate energy consumed is obtained from the burning of fossil fuels. These fossil fuels like coal, natural gases and petrochemical sources are largely used in compression ignition (CI) engines, electric power production, transportation, industry, and agriculture. These sources will be consumed shortly due to limited reserve and current usage rates [1]. Among the fossil fuels, fluid petroleum-based powers contribute the maximum owing to their inborn physiochemical and burning properties. The best possible alternative to fossil fuels is biodiesel, which is a clean burning fuel and can be obtained from vegetable oils (edible and non-edible) of plant origin, tree-borne oil seeds, and waste cooking oil. The utilization of edible oil is of great concern being a food material. So, it is defended to utilize non-edible oil for the making of biodiesel. Numerous plant species are present in our country which bear seeds from which we can obtain vegetable oils. It is shocking that, despite their potential, only 6% is utilized. Non-edible oils like Mahua, Jatropha, Karanja, Neem, Polanga, Simarouba, Soapnut, etc., are the different feed stocks available in India [2]. In our country biodiesel can substitute for diesel since huge garbage areas, unutilized open space and country territories are available for cultivation of biodiesel plants. This encouraged recent interest in unconventional sources for petroleum-based fuels.

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Electronic Library administration in scientific epoch

November 2021

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Authors:



Abinash Dash
Instiue of Hotel Management , Bhubaneswar



Basant Kumar Das



Dr. Brundaban Nahak
Radhakrishna Institute of Technology and Engineering, Bhubaneswar, Odisha

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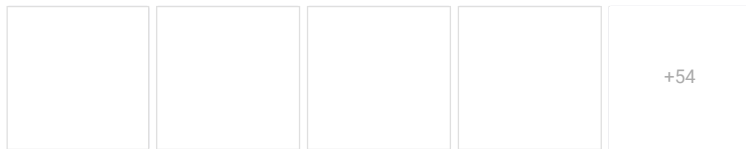
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Abstract and Figures

The library environment is changing at a very fast rate keeping pace with the development and application of Information Communication Technology in libraries. Users' inclination has also increased tremendously towards ICT based information resources and services. Accordingly, a new type of library resources in the form of electronic resources has entered into the collection of libraries irrespective of types and sizes. These e-resources have occupied a major portion of library collection and budget of almost all big libraries. Although there are many advantages of electronic resources over their print counterparts, a lot of challenges are there to manage and administer the electronic resources in libraries. At this juncture, Mr. Abinash Dash, Dr. Brundaban Nahak and Mr. Basanta Kumar Das have taken efforts in bringing out an edited volume on "Electronic Library Administration in Scientific Epoch" that focuses on library administration, particularly electronic library administration in scientific information age

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This paper presents the status of the 49 libraries in the first and second legislative districts of Leyte. It specifically discusses the profile of these libraries in terms of administration, library collection, services, budget, staff and physical facilities. In addition, it assessed the compliance of these libraries with the standards set forth in the Standards for Philippine Libraries (SPL), ... [\[Show full abstract\]](#)

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● Oyeronke Adebayo · ● Michael Fagbohun · ● Ugwunwa Esse · ● Nwanne Nwokeoma

The introduction of ICT has no doubt changed and redefined the way and manner in which library operations are carried out. In this chapter, the phenomenon of change management was discussed and Unfreeze-Change-Refreeze model was adopted. The chapter also delved into the management of change in academic libraries, types of Digital library collections, access mode to digital collections, the ... [\[Show full abstract\]](#)

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Rajeev Ranjan Mishra · ● Rohit ..

This paper deals with security of data in libraries through cloud computing for globalization and enhancement of library trends with the use of ICT tools and resources. Data securing is a major concern of today's world because of Data tempering, falsifying user identities in library systems, lack of accountability etc. play a vital role in the insecurity of data. Cloud computing enables secure ... [\[Show full abstract\]](#)

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The recent evolution of the profession is traced against the background of the broader transition from the modern to the postmodern era. The object is to reveal how the widespread social, cultural and technological changes of the 21st century are impacting on the library, the librarian, the customer or client and the fundamental nature of information itself. The librarian is no longer just the ... [\[Show full abstract\]](#)

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Anthony Oboite Solomon · Oluwabunmi Bakare

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Olalekan Abiola Awujoola · Oyinola Oluwaseun Bayowa

This study assessed the menace of ICT induced deviant acts among library users most especially, undergraduates in public university libraries in South-west, Nigeria. The study looked beyond other reasons of deviance among undergraduates to see what libraries have in respect of their security mechanisms and punishment strategies to reduce deviant acts among undergraduates. Control theory was used ... [\[Show full abstract\]](#)

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