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In this issue

Research Article

Open Access Research Article PTZAID:JCEES-10-181

Carbon capture, carbon storage and utilization

Published On: May 09, 2024 | Pages: 035 - 038

Author(s): Omotosho Oluwadamilola Marvellous*

This aspect of Energy law prompts the Department of Energy to initiate a series of research and development endeavors aimed at assessing environmental suitability and safety, capacity. Additionally, it explores proposed geological storage sites. High-purity carbon dioxide finds primary application in the electronics sector, medical research, and clinical diagnostics. ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000081

Open Access Research Article PTZAID:JCEES-10-178

Solid waste management challenges and solutions: The case of the city of Khouribga (Morocco)

Published On: March 02, 2024 | Pages: 011 - 020

Author(s): Youssef Salama* and Mohammed Chennaoui

In Morocco, like in many developing countries, the management of solid waste, especially household solid waste, is a major concern. It is estimated that each person generates an average of 0.67 kilograms of urban waste per day, while in rural areas, this figure is 0.3 kilograms per day. The collection of urban solid waste is regular and almost daily, reaching approxim ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000078

Open Access Research Article PTZAID:JCEES-10-177

A Kano regression analysis of consumer satisfaction in decision-making for old house renovation

Published On: February 03, 2024 | Pages: 005 - 010

Author(s): Huang Hsuan Pao and Chia-Hui Huang*

This study investigates the psychological and emotional factors influencing consumers' decision-making in old house renovation, focusing on how these factors impact satisfaction with the renovation outcomes. Employing Kano regression analysis, the study identifies charm quality attributes associated with satisfaction, such as the preservation of historical value, emot ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000077

Short Communication

Open Access Short Communication PTZAID:JCEES-10-179

Use of water resources and sustainability with concepts, definitions and examples

Published On: April 24, 2024 | Pages: 021 - 025

Author(s): Veysel Aslan*

Water is a vital resource for all living things (people, ecosystems, economic development, energy production, national security). Coordination and harmony in spatial and intersectoral planning and decision-making processes can be achieved through the rational and sustainable use of water resources. Protection and sustainable use of water resources is extremely importa ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000079

Mini Review

Open Access Mini Review PTZAID:JCEES-10-180

Intelligent complex for modeling safety movement of a multi-agent group of marine robots in uncertain environments

Published On: May 04, 2024 | Pages: 026 - 034

Author(s): Maevskiy AM, Kozhemyakin IV* and Zanin VU

Intensive development today is observed in the areas of data processing and analysis, as well as in the management of robotic systems; Artificial Intelligence (AI) systems are increasingly used. As the complexity of the tasks facing the Marine

Robotic Complex (MRC) increases, the need for the use of AI technologies becomes clear. These technologies provide safe moveme ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000080

Case Study

Open Access Case Study PTZAID:JCEES-10-176

Correction of the thermal power calculation in the lightweight floor heating based on NT VVS127:2001 standard

Published On: January 24, 2024 | Pages: 001 - 004

Author(s): Karpiesiuk Jacek*

There are many possibilities for determining the thermal power (thermal output) of underfloor heating systems. These may be mathematical, experimental, and numerical methods. Some of them are described in standards, manufacturers' guides (e.g. charts or tables based on experimental research), as well as programs with numerical calculations. This article concerns the i ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000076