

Fuzzy Analytical Hierarchy Process Disposal Method

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Fuzzy Analytical Hierarchy Process Disposal

In this study, Fuzzy Analytical Hierarchy Process is used to choose the best disposal method for an industrial state named Charmshahr with regard to the existence uncertainty and lack of knowledge. This state contains more than 200 factories most of which are leather and tannery industries.

Fuzzy Analytical Hierarchy Process Disposal Method ...

Fuzzy Analytical Hierarchy Process Disposal Method GIS Based Approach for Site Selection in Waste Management The heterogeneity of solid waste generated by a large population of different socio-economic backgrounds in India makes it difficult to have a universal best treatment option. The

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(PDF) Fuzzy Analytical Hierarchy Process Disposal Method ...

Lack of correct disposal procedure in solid waste management can lead to soil, water, air and aesthetic pollution, associated human health problem, as well as an increase in greenhouse gas emissions (RSA, 1998). ... By integrating fuzzy with analytic hierarchy process, ...

A Fuzzy-Analytical Hierarchy Model for Solid Waste ...

Construction and Demolition Waste, Fuzzy Analytic Hierarchy Process, Multi-Criteria Decision Making, Tehran, Iran Received 6th October 2019, accepted 11th February 2020 by Editor in Chief Arne ...

(PDF) Construction and demolition waste management: Fuzzy ...

Mathematical Theory and Modeling ISSN 2224-5804 (Paper) ISSN 2225-0522 (Online) Vol.4, No.1, 2014. www.iiste.org. A Fuzzy-Analytical Hierarchy Model for Solid Waste Management Location in South ...

A fuzzy analytical hierarchy model for solid waste by ...

Method Keywords: fuzzy, analytical, hierarchy, process, disposal, method Created Date: 11/19/2020 9:15:41 AM Fuzzy Analytical Hierarchy Process Disposal Method In this study, a novel framework was established based on the Fuzzy Analytic Hierarchy Process approach in order to assess different CDW management alternatives in Tehran, Iran.

Fuzzy Analytical Hierarchy Process Disposal Method | www ...

The analytic hierarchy process (AHP) is one of the most widely-used multiattribute decision-making

methods. In this section we overview the fuzzy AHP methods existing in the literature. We present the four different approaches of fuzzy AHP methods by giving numerical examples.

Fuzzy Analytic Hierarchy Process and its Application ...

It employed the fuzzy analytic hierarchy process to set the objective weights of the evaluation criteria and select the optimal infectious medical waste disposal firm through calculation and sorting. The aim was to propose a method of evaluation with which medical and health care institutions could objectively and systematically choose appropriate infectious medical waste disposal firms.

Optimal evaluation of infectious medical waste disposal ...

The fuzzy analytic hierarchy process (FAHP) was used to establish a hierarchical structure of infectious medical waste disposal firms and to calculate the weights of different hierarchical criteria. The adoption of an effective selection model is especially essential for hospitals because Taiwan's Bureau of National Health Insurance implements global budget payment system.

Optimal evaluation of infectious medical waste disposal ...

Later, Laarhoven and Pedrycz proposed the Fuzzy Analytic Hierarchy Process (FAHP), in 1983, which was an application of the combination of AHP and the fuzzy set theory of Zadeh . The FAHP was developed in order to overcome the weak points of AHP, and nowadays this contemporary tool is often used to solve MCDM problems which are difficult to interpret, instead of the traditional AHP.

Solving multi-objective facility location problem using ...

In this study, a novel framework was established based on the Fuzzy Analytic Hierarchy Process approach in order to assess different CDW management alternatives in Tehran, Iran. Proposed alternatives (including landfilling, recycling, reusing, and reduction) were investigated with respect

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to 16 different individual criteria.

Construction and demolition waste management: Fuzzy ...

Nowadays, decision-making methods are widely used and they are very reliable and efficient. Therefore, a model based on fuzzy analytic hierarchy process (AHP) has been developed in this study to optimize tailings disposal method selection. In the model, 21 criteria and a wide range of alternatives have been introduced.

Optimization of tailings disposal method using fuzzy ...

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waste management through a case study in the plating industry located in Tehran metropolitan area of Iran. The research was conducted using the Delphi method and based on the MCDM approach by applying the Fuzzy Analytical Hierarchy Process (FAHP) method (Ahadi and

Evaluation of optimal waste management in the plating ...

ISAHP Article: Fuzzy Analytic Hierarchy Process and TOPSIS for Business Site Selection To Be Submitted to the International Symposium of the Analytic Hierarchy Process 2018, Hong Kong, HK. In 2014, a study on the selection of the best plastic recycling method using the FAHP-FTOPSIS method was done.

FUZZY ANALYTIC HIERARCHY PROCESS (FAHP) AND TOPSIS FOR ...

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Fuzzy analytic hierarchy process Genetic algorithm Goal programming 1. Introduction The infectious waste disposal remains a serious problem in healthcare waste management of almost every country. During the past few years, there has been an increase in the level of public concern about the

Solving a multi-objective location routing problem for ...

using the analytical hierarchy process (AHP) before verifying the results using fuzzy TOPSIS (Fig. 1). consensus performance in healthcare centers Fig. 1. The steps involved in the process of this study As shown in Fig. 1, subsequent to reviewing previous works, a list of factors that influence environmental performance in healthcare

A Fuzzy Analytic Hierarchy Process Approach to Identify ...

In this work, four treatment systems for waste management in Libya are evaluated using fuzzy analytic hierarchy process (AHP) and fuzzy technique for order preference by similarity to ideal solution (TOPSIS) in respect to four main criteria and 22 subcriteria.

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