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# Fuzzy Measurement Of Sustainability By Yannis A Phillis

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**a fuzzy multi criteria approach for measuring**

**June 5th, 2020 - a fuzzy multi criteria approach for measuring sustainability performance of a supplier based on triple bottom line approach m and d v 0 0 is the distance measurement between two fuzzy numbers step 5 calculate the relative closeness to the ideal solution r saria new fuzzy multi criteria framework for measuring sustainability'**

**'evaluating emergency response solutions for sustainable**

**May 24th, 2020 - emergency management is vital in implementing sustainable munity development for which munity planning must include emergency response solutions to potential natural and manmade hazards to help maintain such solution repository we investigate effective fuzzy multi criteria group decision making fmcgdm approaches for the plex problems of evaluating alternative emergency response'**

**'fuzzy measurement of sustainability free online library**

**May 5th, 2020 - fuzzy measurement of sustainability phillis yannis a and vassilis s kouikoglou nova science publishers 2009 183 pages 89 00 hardcover hc79 one of the most fundamental questions of sustainable development according to this work is how to define and measure sustainability in a mathematical sense'**

**'assessing the sustainability of agricultural production**

**September 11th, 2018 - indicators are widely used as tools for measurement of sustainability in this study a prehensive index was proposed to measure sustainability in agricultural production systems this index takes advantage of fuzzy logic to bine all six indexes which were selected as the representative of three dimensions of sustainability'**

**'fuzzy measurement of sustainability book 2009 worldcat**

**May 21st, 2020 - covid 19 resources reliable information about the coronavirus covid 19 is available from the world health organization current situation international**

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travel numerous and frequently updated resource results are available from this worldcat search oclc s webjunction has pulled together information and resources to assist library staff as they consider how to handle coronavirus''**prehensive evaluation of sustainable ammonia production**

May 18th, 2020 - in this study an integrated fuzzy madm based framework under hybrid information was proposed for the sustainability assessment of ammonia production systems in which the tfn triangular fuzzy number was used to deal with the decision making issues with hybrid information a bined weighting method that incorporates the bwm best'

'fuzzy based sustainability evaluation method for

May 22nd, 2020 - performance evaluation is an important ponent of sustainability initiatives in manufacturing anizations this study proposes a sustainability evaluation method for manufacturing smes using integrated fuzzy analytical hierarchal process fahp and fuzzy inference system fis approach'

'fuzzy logic approach for sustainability assessment based

April 14th, 2020 - the fuzzy ist utilizes the bination of a multi stage fuzzy logic approach which aggregates basic sustainability indicators bsi into sustainability dimension indices sdi and subsequently'

'sustainable production and consumption journal elsevier

June 5th, 2020 - 2018 citescore 4 19 and top quartile journal in four scopus categories industrial and manufacturing engineering environmental engineering environmental chemistry and renewable energy sustainability and the environment see scopus for details sustainable production and consumption can be defined as production and use of products and services in a manner that is socially beneficial''sustainability measurement

June 6th, 2020 - sustainability measurement is the quantitative basis for the informed management of sustainability the metrics used for the measurement of sustainability involving the sustainability of environmental social and economic domains both individually and in various binations are still evolving they include indicators benchmarks audits indexes and accounting as well as assessment''a fuzzy set approach to the problem of sustainability

May 9th, 2020 - the elements are scaled such that 0 xijk 1 each xijk is taken to reflect the degree of satisfaction of a fuzzy criterion of sustainability ?jk with the value 1 by convention indicating absolute positive satisfaction and 0 indicating utter failure to satisfy the criterion'

'mathematics special issue fuzzy sets fuzzy logic and

June 3rd, 2020 - in the fuzzy collaborative approach each decision maker first applies the alpha cut operations method to derive the fuzzy weights of the criteria then fuzzy intersection is applied to aggregate the fuzzy weights derived by all decision makers to measure the prior consensus among them''sustainable development

June 6th, 2020 - sustainable development is the anizing principle for meeting human development goals while simultaneously sustaining the ability of natural systems to provide the natural resources and ecosystem services upon which the economy and society depends the desired result is a state of society where living conditions and resources are used to continue to meet human needs without undermining the''fuzzy measurement of sustainability request pdf

May 19th, 2020 - sustainability assessment by fuzzy evaluation safe is a model that measures the overall sustainability of countries by bining indicators of ecological sustainability and human sustainability'

'description fuzzy measurement of sustainability

May 31st, 2020 - fuzzy measurement of sustainability electronic resource yannis a phillis and vassilis s kouikoglou main author phillis yannis a 1950 corporate author ebook central academic plete proquest firm other authors kouikoglou vassilis s 1961 format ebook online access connect to electronic book via ebook central'

'fuzzy group decision making in the measurement of

March 4th, 2020 - a fuzzy analytic network process model was constructed to evaluate the potential sustainability of ecotourism and the relative importance the weights of the criteria and sub criteria the study provides a valuable integrated tool for sustainable destination management''sustainability free full text fuzzy measures of

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May 22nd, 2020 - in fact the fuzzy set approach introduces a classification of a measure in terms of degree of for the individual s position and in this way this measure can successfully include qualitative as well as quantitative aspects of a phenomenon this is the reason why the application of the method can be valuable in this context''indicators and a neuro fuzzy based model for the

May 10th, 2020 - in the field of water management the evaluation of sustainability has no universal methodological approach nor any consensus regarding the definitions of sustainability or sustainable development there is an essential need therefore for a precise definition of sustainability in different water management fields this paper deals with the sustainability of one part of urban water management''**sustainability assessment of an automotive anisation**

June 2nd, 2020 - sustainability assessment is an important part of the decision process in anisations sustainability is difficult to define or measure because it is a plex concept to assess the sustainability level of an anisation a unique attempt has been made using fuzzy based kano model based on the stakeholders satisfaction'

'article dynamic design of sustainable supply chain

May 13th, 2020 - this paper proposes a fuzzy based approach to support the dynamic design and planning of sustainable supply chain networks from a stakeholder s perspective an approach is introduced to define and select sustainability measures''evaluating sustainability in anisations with a fuzzy

May 16th, 2020 - process the fuzzy output is changed into numerical values there are several defuzzification methods in the literature lee 1990 but the centroid is the most frequently employed wu and lee 2007 besides its use as a measurement tool for sustainability fuzzy logic zadeh 1965 is extensively'

'sustainability free full text a novel decision making

May 16th, 2020 - this study presents a novel multi attribute decision making madm model on the basis of pythagorean fuzzy linguistic information measures to do so we first present a new concept of pythagorean fuzzy linguistic sets to describe fuzziness and inconsistent information in which the pythagorean fuzzy linguistic values pflvs are represented by the linguistic membership degree and linguistic'

'fuzzy measurement of sustainability pdf free download

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'evidence matters measuring sustainability hud user

June 1st, 2020 - these dimensions however only outline the general scope of a measurement framework sustainability is a plex and subjective concept so in order to measure it anizations must first define what it means to them and then choose indicators that give the most relevant information about their system and time scale of interest 3'

'assessing the sustainability of agricultural production

May 30th, 2020 - fuzzy approach was offered and extended as a valuab le tool for sustainability measurement e g prato 2000 phillis and andrian tiatsaholiniaina 2001 cornelissen 2003 mendoza and prabhu 2003 fuzzy logic provides the ability of translating sophisticated statement from natural la nguage into a mathematical 318'

'safe sustainability assessment by fuzzy evaluation

June 2nd, 2020 - sustainability assessment by fuzzy evaluation safe is a model for the numerical assessment of sustainability safe uses fuzzy logic reasoning and basic indicators of environmental integrity economic efficiency and social welfare and derives measures of human ecological and overall sustainability'

'fuzzy measures of multidimensional poverty in the

May 27th, 2020 - the main scope of the paper is to adopt a fuzzy sets approach for the measurement of multidimensional poverty over a period of eight years from 2007 to 2015 which takes into account the effect of the 2008 economic and financial crisis in particular the focus is on the financial dimension of poverty and its effects on

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citizens in the eu mediterranean area' **'sustainability an ill defined concept and its assessment**

May 21st, 2020 - fuzzy logic is well suited to handle such a vague uncertain and polymorphous concept in this paper we develop a model called sustainability assessment by fuzzy evaluation safe which provides a mechanism for measuring development sustainability'

**'an adaptive neuro fuzzy inference system anfis approach**

May 13th, 2020 - for example houshyar et al 2014 used fuzzy set theory to measure the sustainability performance of agriculture development cavallaro 2015 proposed an application of takagisugeno fuzzy inference modelling to build a synthetic index for monitoring the sustainability performance of energy production'

**'fuzzy assessment**

May 31st, 2020 - fuzzy assessment sustainable decision making involves plex often ill defined parameters with a high degree of uncertainty due to inplete understanding of the underlying issues the dynamics of any socio environmental system cannot be described by traditional mathematics because of its inherent plexity and ambiguity' **'parison of fuzzy based and ahp methods in**

May 31st, 2020 - at the second level fig 3 the fuzzy variables representing the social environmental and economic sustainability indices output en output ec output so are examined in pairs in order to obtain the fuzzy index of equity output eq social economic dimension viability output vi economic environmental dimension and'

**'sustainable development in the mining sector and its**

May 3rd, 2020 - measurement of sustainable development for this specific economic sector requires specific considerations and implements in a sustainable development concept this paper provides essential information regarding sustainable development issues sustainable development evaluation and the wide range of effective applications of the two multi'

**'dealing with uncertainty integrated sustainability**

May 8th, 2020 - dealing with uncertainty integrated sustainability assessment based on fuzzy logic r j baumgartner university of leoben austria abstract assessing environmental and social impwith uncertainties acts is associated caused by applied assessment tools the definition of the object of assessment system boundaries of assessment and data quality' **'analysis measurement and evaluation of sustainable**

May 16th, 2020 - the sustainable development denotes the balanced status among various dimensions of development that aims to improve conditions of quality of life for the human urban sustainable development is deemed as the ideal objective for the planners and urban development directors in order to exploit suitably from the resources and to establish balanced relationship among human and munity and nature'

**'a dynamic network efficiency measurement of airports**

May 16th, 2020 - in this paper sustainability of airports is considered through a multi perspective multi system and multi process operation it is explored how an extension of fuzzy dynamic network performance measurement approach helps to determine the efficiency performance of an airport system'

**'measuring project sustainability maturity level a fuzzy**

April 20th, 2020 - the fuzzy based approach is seen as appropriate for reflecting the uncertainty in sustainability maturity assessments the originality of this paper lies in showing how sustainability can be' **'decision making in a fuzzy environment management science**

May 25th, 2020 - by decision making in a fuzzy environment is meant a decision process in which the goals and or the constraints but not necessarily the system under control are fuzzy in nature renewable and sustainable energy reviews vol 127 a fuzzy measure theoretical approach for multi criteria decision making problems containing sub criteria'

**'prioritization of sustainable supply chain measurement**

June 3rd, 2020 - measurement indicators using fuzzy ahp f tunç bozbura ahmet be?kese erkan bayraktar selen i?çi bahçe?ehir university department of industrial engineering be?ikta? 34100 istanbul turkey abstract this study deals with prioritization of sustainable supply chin measurement indicators which are'

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#### **'evaluation of sustainable mobility measures using fuzzy**

June 3rd, 2020 - keywords evaluation fuzzy copras measure rank sustainable mobility is the civitas wiki 1 a framework for evaluating measures defined within the civitas ii initiative as well as projects maestro 2 and civitas modern 3 which are focused on a detailed evaluation of already'

#### **'assessment of nuclear energy sustainability index using**

May 9th, 2020 - the overall sustainability is then a non linear function of the individual sustainabilities each subsystem is evaluated by means of many ponents pressure status and response the bination of each group of indicators by means of fuzzy logic provides a measurement of sustainability for each subsystem'

#### **'a fuzzy evaluation of tourism sustainability request pdf**

May 28th, 2020 - a fuzzy evaluation of tourism sustainability which is a measure that takes into account the preservation of a geographical area by measuring the number of tourists the visitor flow and the'

#### **'fuzzy modeling of customized solutions for corporate**

April 28th, 2020 - the fuzzy it is suitable for industrial firms to monitor the performance indicators that can contribute to a sustainable petitive position keywords corporate performance assessment fuzzy modeling expert system design decision making'

#### **'assessing the sustainability of agricultural production**

May 22nd, 2020 - assessing the sustainability of agricultural production systems using fuzzy logic 2013 14 3 p 1171 1183 móslem sami mohammad shiekhdavoodi morteza almassi afshin marzban abstract first stage for attaining sustainability in a system is the measurement of current state of sustainability'

#### **'environmental assessment for sustainability determination**

May 17th, 2020 - or measure because it is inherently vague and plex concept 2 in this paper a fuzzy model was developed which uses data sampled from different environmental indicators that were then processed via fuzzy logic algorithms to derive measures for ecological sustainability of the region fuzzy'

#### **'fuzzy group decision making in the measurement of**

April 20th, 2020 - a fuzzy analytic network process model was constructed to evaluate the potential sustainability of ecotourism and the relative importance the weights of the criteria and sub criteria the study'

#### **'what is fuzzy set analysis university of manchester**

June 3rd, 2020 - measurement in sage volume in set theory we call the fuzzy set a measure of membership in the set it is then thought of as a cardinal measure i e on a continuous scale see smithson amp verkuilen 2006 or longest and vaisey stata fuzzy 2009 another way to construct a fuzzy set is to develop it from a continuous measure such as gdp per capita''

#### **'fuzzy measure of national sustainable development**

April 21st, 2020 - in this paper is proposed fuzzy measure of national sustainable development aggregate index nsdai taking into account the sub indices of economic social and environmental sustainability at the example of azerbaijan republic''

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