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- Engineering Applications of Artificial Intelligence (Elsevier); Q1, IF:8.0
- Neural Computing and Applications (Springer);Q1, IF:6.0
- Artificial Intelligence Review (Springer); Q1, IF: 12.0



Outline

- Rules to be Considered in Article Writing
- Journal Selection
- Journal Format
- Checking Plagiarism
- ChatGPT and ethical issues
- Publishing tips

Rules to be Considered in Article Writing



- The most critical points in an article
 - Title
 - Abstract
 - Introduction
 - Literature review (Research Gaps)
 - Methodology
 - Results and discussion
 - Conclusion









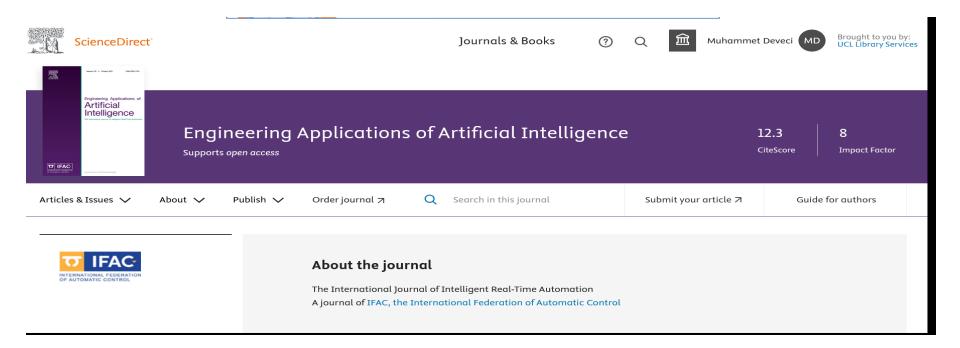
Title

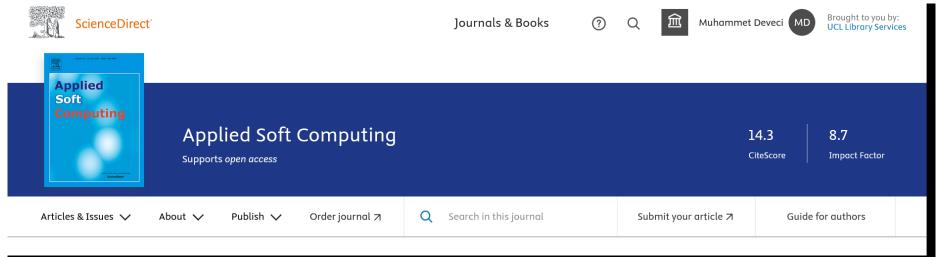
- The title of the article should be hot
- Title is the most important factor affecting citations
- The title should be Max 20 words, but the average is generally desired to be 12 words.
 - The title should summarize the whole article
 - No abbreviation/ Acronyms in the title













Abstract

- The abstract tells the reader what the research is about,
- which methods are used and
- What is your novelty and contributions
- It should explain what was found.







Abstract



The ideal summary should include:

- The purpose of the research should be defined
- Research metods should be determined
- The main results of the study should be summarized
- The effectiveness of the proposed model should be explained
- The abstract should be between 150 and 200 words
- It should not contain mathematical representations or equations.
- <u>Keywords</u>- should generally be a maximum of 6 and should be impressive.







Abbreviation



Abbreviations should be defined if they appear first time

 If the abbreviation is well established in the field (for example, IT for Information Technology) definition is not necessary. Remember, excessive use of abbreviations reduces readability.









Contents lists available at ScienceDirect

Engineering Applications of Artificial Intelligence







Accelerating the integration of the metaverse into urban transportation using fuzzy trigonometric based decision making

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ABSTRACT

Metaverse is defined as a fictional universe that could serve as a simulation environment of reality. Beginning in the past with games, it becomes increasingly integrated into human life as time passes. Metaverse usage is inevitable in every aspect of life. One of its potential application areas could be urban transportation. A novel fuzzy trigonometric based on the combination of the Full Consistency Method (FUCOM) and Combined Compromise Solution (CoCoSo) is proposed to rank three alternatives with twelve criteria under four major aspects: managerial, safety, user, and urban mobility. In the first stage, fuzzy FUCOM methods are used to calculate the weights of the criteria. In the second stage, the fuzzy trigonometric based CoCoSo method is applied to evaluate and rank the alternatives. The proposed model enables the nonlinear processing of complex and uncertain information using fuzzy trigonometric functions. The findings demonstrate focusing on a particular age group can make it easier to integrate the metaverse with urban transportation. The findings of this study have the potential to serve as a guide for decision-makers. The metaverse-based applications could be started by policymakers, which is a promising opportunity with potential boundaries beyond human comprehension making this statement weaker.

1. Introduction

Recently, the metaverse has advanced, and it is rapid growth will be anticipated. The term METAVERSE, combining the prefix "meta" (implying transcending) with the word "universe," refers to a hypothetical synthetic environment connected to the physical world (Lee et al., 2021). It can be characterized as a made-up world that can mimic

Knowing that the metaverse has enormous potential to influence and benefit our lives, it is preferable to use it positively by integrating the metaverse into urban transportation could be a huge step forward in solving current and future problems. Even if the implementation of the imaginary world of the real world is not at the desired level, nextgeneration solutions are not far away given advances in computer science. The goal of this research is to support policymakers in choosing the best alternatives for urban transportation solutions by using intelligent decision support based on multi-criteria decision-making models integrated into the metaverse. Hence, this paper proposes a novel concept for MCDM in which two modules are implemented. The first module defines the weighting coefficients of the criteria and is based on the application of the fuzzy full consistency method (fuzzy FUCOM). The second one implements an original methodology for evaluating alternatives based on fuzzy nonlinear trigonometric weighted functions. Fuzzy trigonometric functions are implemented in the combined compromise solution algorithm (CoCoSo) model. The advantages and contributions of the proposed multi-criteria framework are presented below:

the real one. Many examples, particularly in the gaming industry, have emerged in recent years. Examples include Second Life (2003) and Half-Life: Alyx (2020). Interestingly, META, the parent company of Facebook, Instagram, and WhatsApp, is actively working to raise public understanding of what the "metaverse" is.

It is safe to predict that Metaverse will be the future of the Internet and modern civilization (Ramesh et al., 2022). Furthermore, the

Abstract



The abstract should include the following keywords:

- The aim of this study is to present.....
- We propose a novel/
- new model/
- improved/
- developed or the new model is presented......
- This study introduces/presents......
- The results show/indicate that......









Contents lists available at ScienceDirect

Energy





Interval type-2 fuzzy sets based multi-criteria decision-making model for offshore wind farm development in Ireland



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Levelized cost of electricity (LCOE)
Decision-making
Interval type-2 fuzzy sets
Renewable energy

ABSTRACT

Offshore wind energy takes up an important place in Ireland's renewable generation portfolio thanks to its abundant offshore wind resource. Optimal offshore site selection and developing site-specific energy policy instruments are of key importance to the success of offshore wind energy investments. In this respect, this study aims at developing a multi-criteria decision-making (MCDM) model considering technical, economic, environmental and social criteria to assess Ireland's most promising offshore wind sites in terms of their sustainable development. An interval type-2 fuzzy sets based MCDM model is developed that integrates the score function with positive and negative solutions to achieve better results. Moreover, advanced energy economic metrics such as levelized cost of electricity with higher resolution are integrated into the decision-making process to make more precise decisions. Case studies are conducted for the five of the offshore sites in development pipeline. Results are compared to those of other state-of-the-art MCDM methods. It is found that Arklow Bank-2 is the most favorable site while Sceirde is the least site. The ranking of other sites is found to be Oriel > Dublin Array > Codling Park. It is shown that the proposed approach is superior in terms of stability and implementation as compared to its counterparts.

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Contents lists available at ScienceDirect

Resources Policy







Rough sets based Ordinal Priority Approach to evaluate sustainable development goals (SDGs) for sustainable mining

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Sustainable mining
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Rough sets
Multi-criteria decision making
Decision support system

ABSTRACT

The Sustainable Development Goals (SDGs) have been adopted by countries and companies, including mining companies around the world. The aim of this study is to investigate the degree of importance of the seventeen sustainable development goals (SDGs) on sustainable mining using a rough sets based decision making approach. This novel approach consists of three consecutive stages, namely a questionnaire (survey), data analyses, and SDGs classification. Firstly, a survey is conducted to receive a response from internationally experts across different countries. Each participant is asked to evaluate the importance of each SDG. Secondly, the analyses are carried out to make a distinction among groups of participants who respond similarly and discover viewpoints from the industry, academia, and non-governmental organizations. Finally, the degree of importance of each SDG for sustainable mining is found using a novel decision making approach including Ordinal Priority Approach (OPA) based on rough sets. The survey of the results indicated that for all the participants of the survey, independently of their background, the most important SDG for sustainable mining was "SDG8: Decent work and economic growth", while the one perceived as the least important was "SDG14: Life below water". The main objective of SDG8 is to promote economic growth through job opportunities and decent work for all. This in turn leads to a more sustainable, long-term economic growth. While all SDGs play an important role, the proposed rough sets based decision making method provided a rational and objective evaluation performance of their perceived priority in the mining sector.



Technological Forecasting & Social Change

Technological Forecasting Social Change An international journal

journal homepage: www.elsevier.com/locate/techfore



An integrated multi-criteria decision-making and multi-objective optimization model for socially responsible portfolio selection

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ARTICLE INFO

Keywords: Socially responsible investment Portfolio selection Corporate social responsibility

Multi-criteria decision-making Multi-objective optimization

ABSTRACT

The influence of socially responsible investment (SRI) has caused much attention from both institutional and individual investors in capital markets. SRI considers the corporate social responsibility (CSR) criteria of firms is becoming an emerging topic in economics and management. The aim of this paper is to develop a hybrid SRI portfolio selection model with multi-criteria decision making (MCDM) and multi-objective optimization problem (MOOP) techniques. First, a multi-dimensional evaluation criteria system containing fundamental financial in-

dicators, CSR criteria, and stock market factors, is put forward for SRI to make the decision results more comprehensive and applicable. Second, a multi-stage MCDM decision mechanism including the affinity propagation clustering (APC) algorithm, the best-worst method (BWM), and the MULTIMOORA (Multi-Objective Optimization on the basis of a Ratio Analysis plus the full MULTIplicative form) is implemented. The APC algorithm is used for the reduction of financial indicators. The BWM is applied to determine the financial and CSR criteria weights. The MULTIMOORA method is integrated to derive the financial and CSR performance of the firms. Third, a multi-objective SRI portfolio selection model adding financial, CSR, and stock market performance is constructed, which serves as an extension of the classical mean-variance model. The compromise solution is utilized when solving the MOOP. Finally, a case study related to the medical stock investment is examined to recommend the optimal portfolio allocation for investors. Sensitivity and comparative analyses are performed to demonstrate the robustness, effectiveness, and superiority of the proposed methodology.



Knowledge-Based Systems

journal homepage: www.elsevier.com/locate/knosys



A fuzzy Einstein-based decision support system for public transportation management at times of pandemic



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CoCoSo
Einstein norms
Logarithmic additive function

ABSTRACT

Optimal decision-making has become increasingly more difficult due to their inherent complexity exacerbated by uncertain and rapidly changing environmental conditions in which they are defined. Hence, with the aim of improving the uncertainty management and facilitating the weighting criteria this paper introduces an improved fuzzy Einstein Combined Compromise Solution (CoCoSo) methodology. Such a CoCoSo model improves previous CoCoSo proposals by using nonlinear fuzzy weighted Einstein functions for defining weighted sequences. In addition, it proposes a novel algorithm for determining the criteria weights based on the fuzzy logarithmic function, therefore it allows decisionmakers a better perception of the relationship between the criteria, as it considers the relationships between adjacent criteria; high consistency of expert comparisons; and enables the definition of weighting coefficients of a larger set of criteria, without the need to cluster (group) the criteria. Nonlinear fuzzy Einstein functions implemented in the fuzzy Einstein CoCoSo methodology enable the processing of complex and uncertain information. Such characteristics contribute to the rational definition of compromise strategies and enable objective reasoning when solving real-world decision problems. The efficiency, effectiveness, and robustness of the proposed fuzzy Einstein CoCoSo model are illustrated by a case study to create a conceptual framework to evaluate and rank the prioritization of public transportation management at the time of the COVID-19 pandemic. The results reveal its good performance in determining the transportation management systems strategy.

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Introduction



The ideal introduction should include:

The introduction should start with a <u>strong first</u> <u>sentence</u>, begin with generalizations, gradually narrow the focus and highlight contributions.

- Listing literature without explanation should be avoided.
- The purpose of the research should be stated
- The introduction should highlight the novelty and motivation of the work.
- The main contribution to the existing literature should be noted





Introduction



- The introduction should answer these questions:
 - Why is the research topic important? Or why are you working on this topic?
 - What has been studied so far?
 - What is the feature of the method you recommend?
 - What are your contributions?







Introduction



The ideal introduction should include:

- The objective/aim/goal of this study is to investigate......
- The <u>motivation</u> of the study......
- The <u>main contributions of the study</u> are as follows:...
 - > Xxxxxx
 - Yyyyyy
 - > Zzzzzz
- The advantage of the proposed model/used model....







climate change and epidemics such as COVID-19 have been observed to have a significant impact on freight transportation, even bringing these operations to a halt (Gonzalez et al., 2022). Implementation of freight fluidity measuring systems appears potential as a means of mitigating the effects of such events while maintaining full operational efficiency.

Freight transportation authorities and decision-makers are looking for ways to improve the fluidity of their operations. The companies do their research into the present status of freight fluidity measurement applications. One of the most commonly utilized approaches is the collecting of data, such as GPS data, from each mode of operation (Cedillo-Campos et al., 2019). Shipping ports are another data source used to gauge system fluidity, and data obtained from this source is mostly used for long-term freight planning and travel demand forecasting (Asbomo et al., 2020). Even if these measurement techniques appear to be effective, several new technologies are promising in terms of delivering more diverse fluidity measurement tools and assisting authorities in more efficiently improving their freight transportation systems. One example of such new technology is metaverse technology.

Blockchain technology and the Metaverse have quickly penetrated our lives in recent years. The production of digital twins, which mirror the real world in the digital verse, is one method that the Metaverse can be implemented in real life (Han et al., 2022). Creating digital twins of freight transportation agents and integrating these agents into Metaverse to track freight transportation operations and analyze freight fluidity has a lot of potential in terms of collecting diverse real-time data utilizing blockchain technology. Freight movement data gathered through the metaverse can be shared with clients in applications because data sharing can be handled using blockchain technology just as it is used for data gathering (Fan et al., 2018). For example, customers can track products being transported and purchase desired things while they are being transported, allowing enterprises to provide goods before they reach their destination, which is the warehouse. This type of solution is made possible by using freight fluidity metrics in Metaverse. Aside from Metaverse applications, another option for efficiently evaluating fright fluidity is the development of global governance of freight operations for measuring fluidity through available data.

Creating a global center for governing freight transportation concerns is a promising application in terms of collecting all data in one location and using the coupled data for overall freight fluidity measures. This type of application can greatly assist all authorities and decisionmakers in optimizing their operations using accessible big data and increasing the flexibility of freight transportation. This has the potential to improve time reliability and sustainability by assigning freight transportation activities to various available and uncongested modes to reduce delays and use environmentally favorable modes of

The motivation of this research is to present novel freight fluidity measuring methods and utilize expert comments to rank them in order of their advantages. A multi-criteria decision-making tool is utilized during the procedure, and each alternative is evaluated according to the specified criteria, which are determined following a thorough literature review. The evaluation procedure is carried out by developing a questionnaire in which each possibility is asked to be evaluated on each criterion. The questionnaires are then distributed to specialists for review of the alternatives. Multi-criteria decision-making (MCDM) techniques have been successfully integrated into many real-life problems.

This study aims to present an efficient fuzzy Dombi based MCDM model including Logarithmic Methodology of Additive Weights (LMAW) and Evaluation based on Distance from Average Solution (EDAS) (Keshavarz Ghorabaee et al., 2015) method for solving the freight fluidity measurement problem. The Dombi based LMAW (Pamucar et al., 2021) is applied for calculating the weight coefficients of the criteria. The Dombi based EDAS method is proposed for the evaluation of alternatives. The main contributions of this study are as follows:

- (i) This study adds to the field by suggesting two new freight fluidity measurement applications: integrating freight operations into Metaverse for fluidity measurement and developing global governance of freight activities for fluidity measurement using existing data.
- (ii) A case study is developed to serve as a foundation for the experts' evaluations, which may guide authorities and decision-makers in the transition to a more developed and advanced freight fluidity measuring system.
- (iii) The proposed model enables decision-makers to better perceive the relationship between criteria, which contributes to rational reasoning and objective evaluation of alternatives.
- (iv) EDAS method provides an optimistic and pessimistic evaluation of alternatives.
- (v) The application of the triangular fuzzy numbers based Dombi function improved the flexibility of the traditional EDAS method
- (vi) There is a scarcity of research on the integration of freight fluidity measurements with metaverse. This paper contributes significantly to the field by presenting various alternative integration approaches.
- (vii) The findings of this study can be used as a guide for authorities and decision-makers who seek to carry out projects such as the alternatives in this study because they can select the most advantageous alternative over this study.

The rest of this study is built as follows: Section 2 contains a literature review on freight fluidity and freight fluidity measurement methods. The definition of the problem, alternatives, and criteria related to this study is provided in Section 3. Section 4 gives the proposed methodology of the study. The case study, results of the proposed methodology, and stability are explained in Section 5. The results and discussion is presented in Section 6. Section 7 discusses the managerial and policy implications. Finally, Section 8 provides the conclusion.

2. Literature review

There are various studies in the literature on the importance and utility of freight fluidity and freight fluidity assessment methods. As stated in different studies, efficiency, safety, and travel time reliability are important aspects of supply chains, and increasing freight fluidity means improving these aspects (Bueno-Solano et al., 2022; National Research Council Canada, 2022; Pisarski, 2016). According to a previous study, freight fluidity in sea transportation strives to boost journey time reliability and reduce supply chain end-to-end shipping expenses (Kruse et al., 2018). It is also claimed that the US Army Engineer Research and Development Center and Texas A&M Transportation Institute collaborated to implement a freight fluidity measurement system at ports to evaluate these ports' fluidity measurements in terms of oceangoing vessels. A different freight fluidity measurement application developed by the US Army Engineer Research and Development Center attempts to measure the fluidity of vessels traveling between the most heavily trafficked ports by using data such as travel information, weather conditions, directional flow currents, and so on (Mitchell et al., 2019). The goal is to identify the factors that influence trip time reliability. According to another study, efficient freight fluidity increases serviceability and predictability, which are two of the most essential quality indicators in supply chains (Swai et al., 2021). As a result, it is easy to argue that enhancing the flexibility of freight transportation is critical. To promote fluidity, freight fluidity measuring systems are required so that systems can be improved.

There are numerous real-world uses for freight fluidity measurement systems in their current state. Freight fluidity measurement is critical for authorities searching for ways to improve their freight transportation operations (Eisele et al., 2016). Because freight fluidity measurement is a performance-based evaluation, decision-makers may easily identify and rectify the system's flaws. According to a study on a freight fluidity



Literature Review (LR)

- There should be a paragraph at the end of the LR that concludes your discussion
- In this paragraph, how your work differs from other works
 - difference, novelty,
 - originality and
 - contribution to the literature should be emphasized









Literature Review (LR)

At the end of the LR, the necessity of this study should be demonstrated using one of the **following patterns**:

- The lack of investigation of
- None of previous papers considers.....
- To fill this gap
- To best our knowledge, no study has...







Spacecraft tracking control and synchronization: An assessment of conventional, unconventional, and combined methods

Muhammet Deveci a,b,*, Dragan Pamucar , Ilgin Gokasar , Madjid Tavana e,f

2. Literature review

Spacecraft technology is a relatively new technology that has grown in importance since the twentieth century. As of the twenty-first century, this technology has become even more intense due to human curiosity to explore space and seek life on other planets. Spacecraft, like cars, trains, and engines on land, provide transportation in and out of the atmosphere. It is a problem that these spacecraft are not in a gravity environment and are exposed to meteor fragments while in transit. As a result, artificial intelligence methods are developed for these vehicles to continue operating as efficiently as possible, and non-AI methods are constantly updated. According to the research, a nonlinear control law has been proposed to avoid the obstacles that spacecraft in transit may encounter and make the formation styles most efficient. The most accurate rotation study has been carried out by developing special potential functional methods to avoid obstacles. According to one study, the simulation outputs of their proposed method resulted in advantageous flight configuration and fasttracking results (Hu et al., 2015a).

In another study, they continued to work on position controls for one or more spacecraft. A finite-time controller was designed by considering the finite-time monitoring attitude. Hence, it has been seen that attitude synchronization is possible in finite time. It aims to reduce possible negativities by proposing a finite-time control law on the routes of spacecraft (Du et al., 2011). Gao et al. (2022) sought to improve the control performance of a straight-line convergence trajectory during rendezvous and docking missions, as well as reduce the energy consumption associated with

research, and it is a method that can be used (Sun et al., 2019). Zhao et al. (2021) investigated distributed attitude synchronization for flexible spacecraft. The rotation matrix-based controller suggested is a combination of fundamental and additional patterns. Minimum learning parameter techniques are believed to increase the stability of finite time and reduce the computational overhead. Additionally, a surface with a modified sliding mode is used, which has the potential to eliminate singularity. Gao and Wang (2021) offered a fault estimation, and fault-tolerant control technique is offered as a new model. When an actuator malfunction is detected, the objective is to synchronize the follower spacecraft with the leader spacecraft. Numerical practical examples are conducted to identify the success of the model, and it is observed that the model is effective. In another study, the disrupted tracking control problem was examined by considering the disexperienced by spacecraft connections during communication. The study concluded that the tracking and estimation errors converged to zero with the proposed method, considering the Lyapunov-Krasovskii functional approach (Wang et al., 2019). Lawton and Beard (2002) proposed two control strategies have been proposed to prevent spacecraft position alignment failures in or out of earth's orbit. They have shown that it is analytically possible to prevent the problems experienced in position align-

ment with their proposed method. To the best of the authors' knowledge, no study has evaluated three alternative techniques, including non-AI methods, AI methods, and mixed approaches, for the tracking control and synchronization of spacecraft employing a fuzzy decision-making method.



Applied Soft Computing

journal homepage: www.elsevier.com/locate/asoc



An interval type-2 fuzzy sets based Delphi approach to evaluate site selection indicators of sustainable vehicle shredding facilities



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In addition, fuzzy Delphi method studies have been used for identifying and assessing the criteria [71], prioritizing failures [72], and identify critical sustainable transportation indicators [73]. Also, IT2FSs have been applied to various decision-making problems such as electric vehicle charging station allocation [74], selection of a car sharing station [75], and the assessment of smart city projects [76].

According to the literature review, the research gaps are:

- (i) The indicators of sustainable VSF location selection have not been identified and categorized before;
- (ii) None of the available studies for ELV management has integrated entropy and Delphi method into a unique decisionmaking framework;
- (iii) No IT2FS-based decision-making approach for ELV management has been applied before;

sites for a sustainable offshore wind development.

The rest of this paper is organized as follows. Section 2 presents relevant literature used in multi-criteria OWF site selection and fuzzy based decision-making models. Section 3 introduces the methodology, the site description, and the decision-making variables selected. The proposed IT2FS model is developed in Section 4. Experimental and comparison results are discussed in Section 5. Finally, Section 6 provides the concluding remarks.

2. Related work

2.1. OWF site selection

MCDM has been a common practice in offshore wind energy development planning since this process incorporates many decision criteria from various perspectives in its nature [12]. This process requires a pre-selection of eligible offshore sites based on multi-criteria site selection analysis [13]. As such, the site selection is of key importance to the success of offshore wind energy investments. Primary investigation of technical and regulatory restricted areas is first conducted to eliminate unsuitable sites [14]. Then the site selection involves qualitative and quantitative eval-

posed a fuzzy MCDM for the evaluation of GIS based onshore wind farm site selection in the Southeast of Spain. Ayodele et al. [16] applied a multi-criteria GIS based model which includes interval type-2 fuzzy AHP for onshore wind farm site selection in Nigeria. Hofer et al. [37] conducted a study to evaluate wind farm sites using a spatial AHP approach in Stadteregion Aachen.

As in Table 1, while the type-1 fuzzy sets have been often applied to the offshore site selection problem, the interval type-2 fuzzy hybrid MCDM method which includes positive and negative ideal solutions, and relative assessment matrix has not been used in finding the best offshore site selection. The hybrid model can provide better representation of vagueness with simplified calculations. In addition, the interval type-2 fuzzy captures uncertainty better than type-1 fuzzy sets [38]. This reflects less uncertainty in decision-making assessments.

3. Methodology

The methodology used in the MCDM process includes 4 steps as shown in Fig. 1. Step-1 starts at determining evaluation criteria that turned out to be 3 main and 24 sub-criteria. Studies on the offshore site selection analysis typically relies on the generic data sets

Table 1
Overview of studies on OWF site selection analysis.

Author(s)	Study Area	Main-criteria	Sub-criteria	Number of alternatives	Method/Tool	Energy Economic Considerations
[17]	Taiwan	-	-	5	GIS	Cost benefit
[22]	North Sea	-	18	Unspecified	GIS	LCOE
[23]	Greece	-	5	10	AHP and GIS	None
[19]	South Korea	5	9	8	Multi-criteria analysis	Cost benefit
[24]	Iran	6	31	4	Fuzzy ANP, DEMATEL and ELECTRE	Cost benefit
[25]	United States	-	8	3	GIS	None
[26]	Germany	_	9	Unspecified	GIS and Ordered Weighted Averaging Method	None
[20]	China	6	22	5	Intuitionistic fuzzy ELECTRE	External Resources
[14]	Еигоре	6	_	3	GIS	None
[21]	South Korea	4	14	Unspecified	GIS	Cost benefit
[12]	Baltic States	3	6	15	GIS	Only Cost (OPEX/CAPEX)
[15]	Greece	3	8	12	AHP and GIS	None
[27]	China	4	10	5	Fuzzy AHP	None
[11]	Turkey	3	_	3	Multi-criteria analysis	LCOE
[13]	Turkey	_	8	55	Multi-criteria analysis	None



Research Approach

- The research approach should be clear
- Data and data collection procedure should be clear
- A flowchart should be drawn to summarize the research approach.







A three-stage methodology for initiating an effective management system for electronic waste in Turkey

Vildan Çetinsaya Özkır*, Tuğba Efendigil, Tufan Demirel, Nihan Çetin Demirel, Muhammet Deveci, Burak Topçu

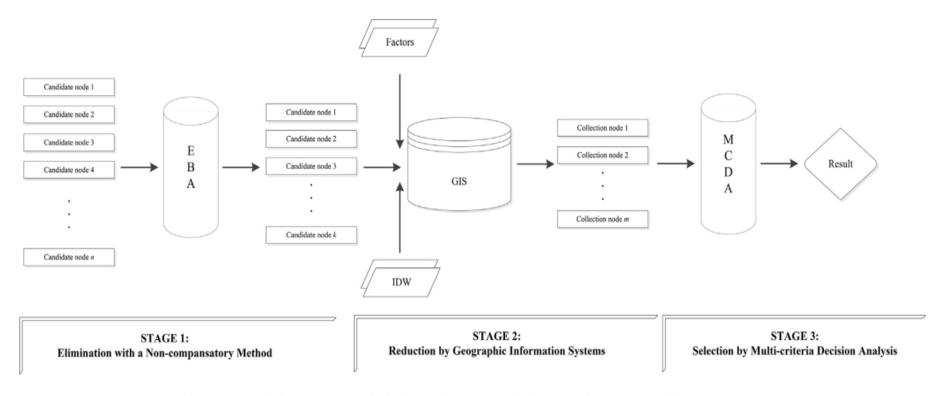


Fig. 2. Proposed three-stage methodology to determine the locations for e-waste collection campaign

Type-2 neutrosophic number based multi-attributive border approximation area comparison (MABAC) approach for offshore wind farm site selection in USA



Muhammet Deveci a,1, Nuh Erdogan b,c,1,*, Umit Cali d,1, Joseph Stekli e,1, Shuya Zhong f,1

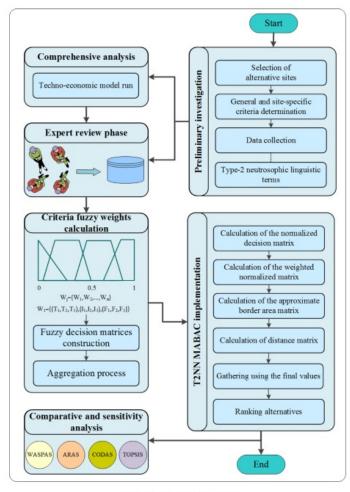


Fig. 1. Flowchart of proposed approach.



Discussion

 Authors should discuss the study's findings in detail

 It should be explained how the proposed method can be used by practitioners in real life problems. (policy implication)







Conclusion



- Authors should summarize the overall results of the study in the conclusion section.
- If not mentioned in the Introduction, the advantages of the proposed method should be stated.
- Authors should discuss the limitations of the proposed method and case study.

In the conclusion section, limitations of the study and suggestions for future studies should be presented.





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, Ilgin Gokasar ^e, Oscar Castillo ^d, Tugrul Daim ^{e,f,*}

Naval Academy, National Defence Univ on, London SW7 2AZ, UK versity, 34342 Bebek, Istanbul, Turkey



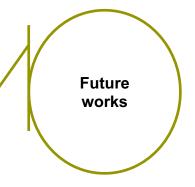
According to the study's findings, integrating freight activities into Metaverse for measuring freight fluidity is the most advantageous alternative, while doing nothing and leaving the system as it is is the least advantageous. This study contributes to the literature by introducing new technologically advanced ways of freight fluidity measurement alternatives and by employing a novel MCDM model to advantage prioritization. The results can also serve as a guide for authorities and decision-makers seeking to improve freight fluidity.

The limitation of the study is the computational complexity of the Dombi operator. A software tool can be developed for this in future studies. In future studies, various operators such as the fuzzy Aczel-Alsina function, Einstein function, and fuzzy Hamacher for aggregation can be integrated to handle the uncertainty in the information. Also, various decision-making models such as the Ordinal Priority Approach can be used to calculate criterion weights in the proposed model. Another limitation of the study is that the metaverse is a relatively new technology with few uses, such as those proposed in the alternative. As a result, the developed metaverse fluidity measurement system's problem-free continuity may not be possible in the short run. Furthermore, there is a lack of solid data privacy policies governing data acquired and used in the metaverse. Because the metaverse's main value is the simplicity of data collecting, a lack of a policy in this area may cause problems in the short term. In addition, the number of experts in this field is another limitation

In future investigations, the choices and criteria of the study might be varied and extended in quantity to increase the study's adaptability. In addition, a pilot region can be chosen and the alternative implemented in the area to assess the real-life applicability and real-life advantages of the most favorable alternative, which is integrating freight activities into Metaverse for measuring fluidity. The results of the pilot project may provide a greater understanding of the alternative's potential if it is implemented on a bigger scale.









Muhammet Deveci a,b,*,





References

- References must be sufficient and up to date.
- Each article should contain approximately 30-50 references from academic journals.
- 25-30% of the sources should be current and published in the last two or three years.
- Also check the conference references. If do not reference 2024 and 2023, they are likely outdated and more than two years old.









References

 Whichever journal the article is planned to be submitted to, 3-4 references must be given from that journal.

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Equations

 Equations should be numbered consecutively in parentheses.









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Figures and Tables should be descriptive.

 Meaningful titles should be placed directly below the figure and above the table.

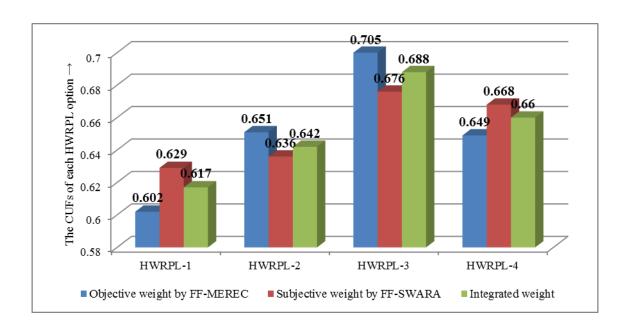
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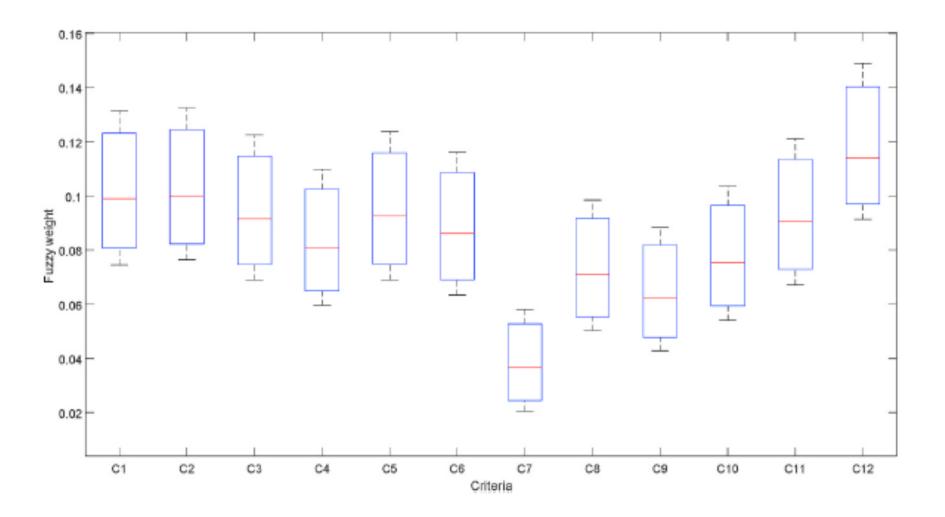


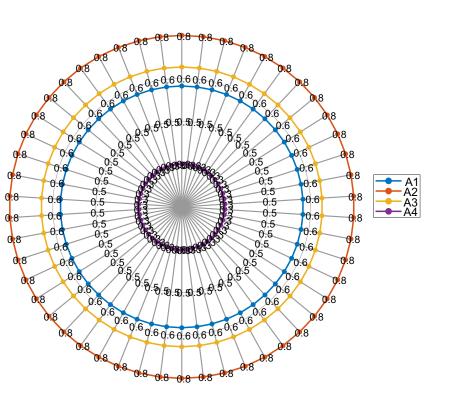


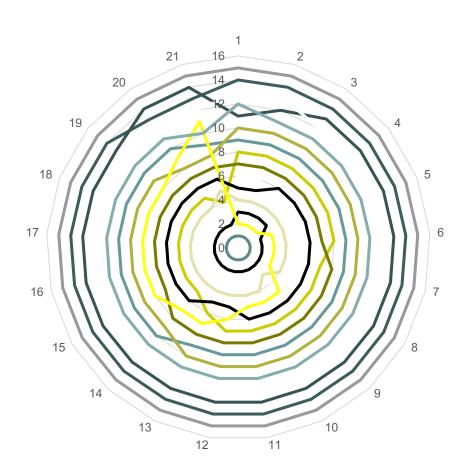


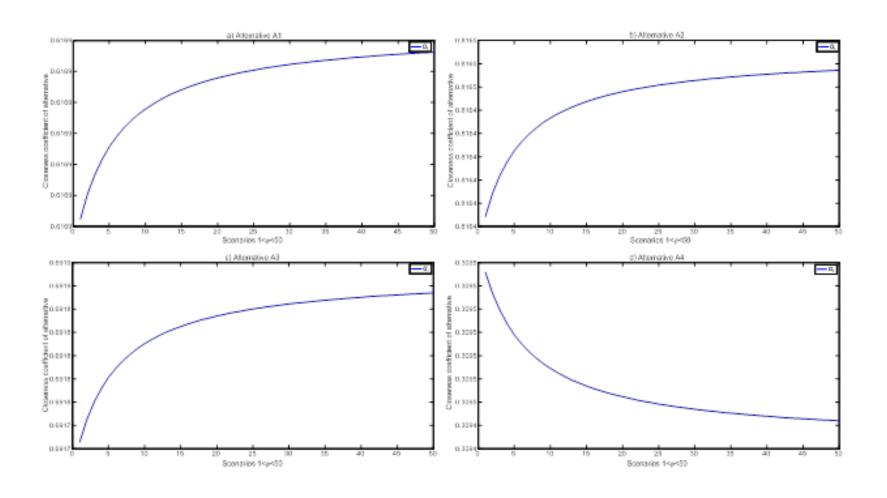
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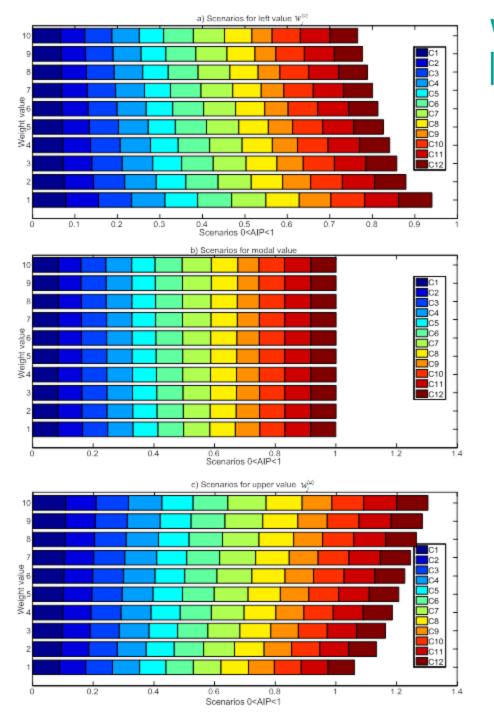


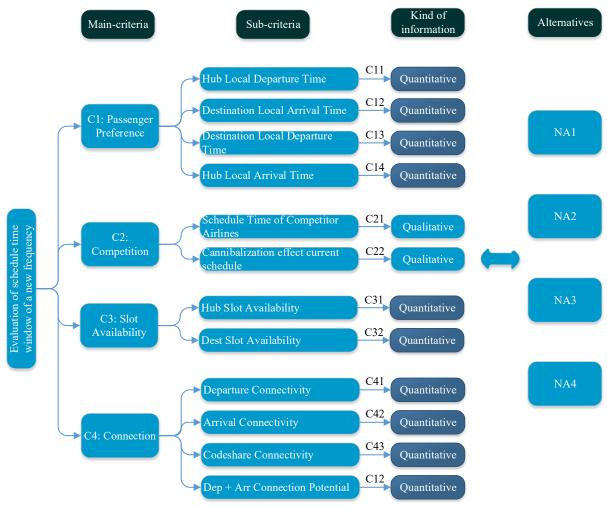


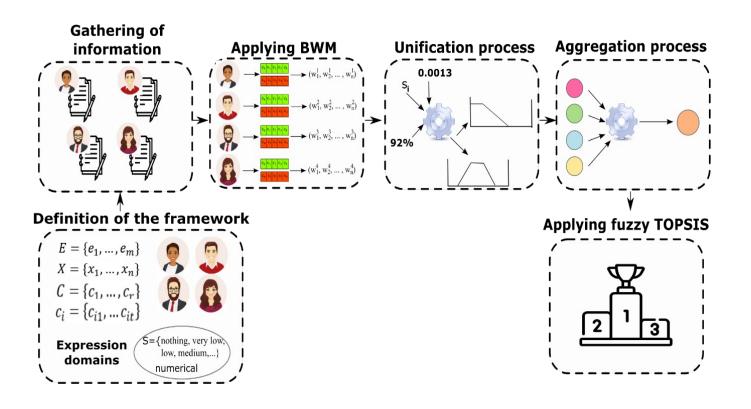








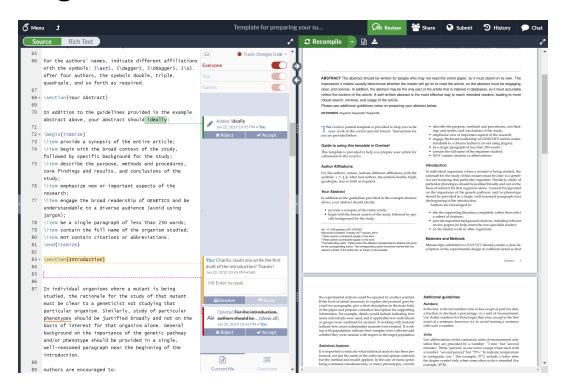


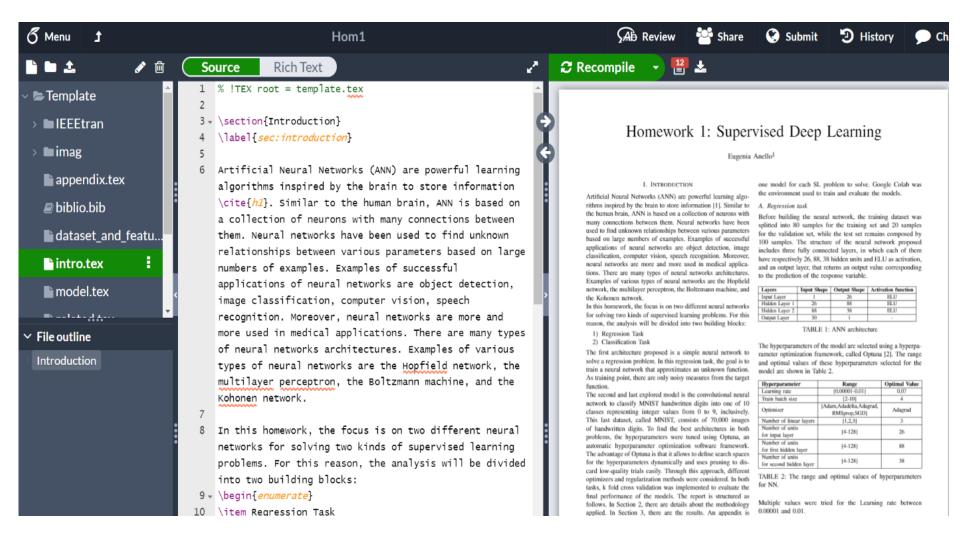




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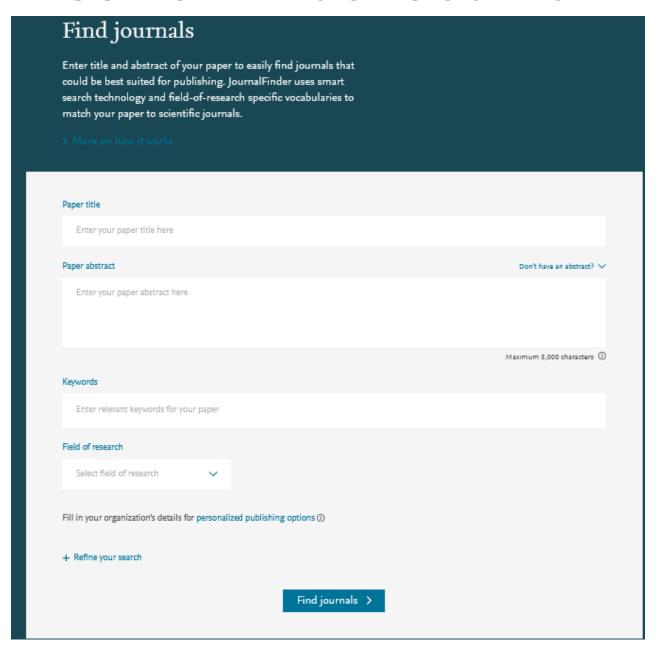
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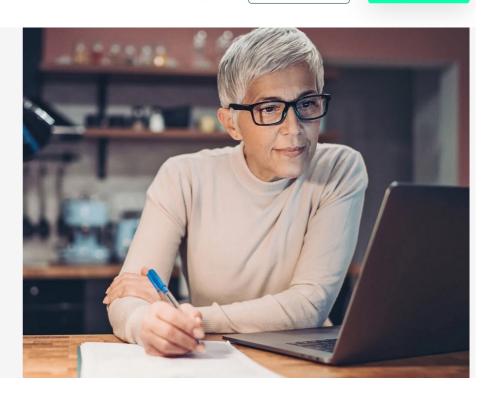
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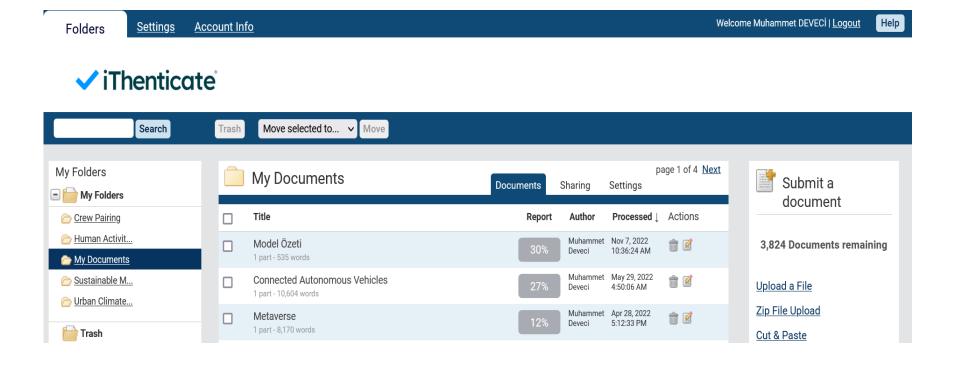
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- it should include many citeable keywords.
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Q&A

Assoc. Prof. Muhammet Deveci muhammetdeveci@gmail.com

Thanks