Opinion Makers Section

About the 99th Meeting of the EWG on MCDA in Venice, Italy

From April 10 to 12, 2025, the 99th meeting of the European Working Group on Multiple Criteria Decision Aiding (EWG-MCDA) occurred at the Department of Economics, Ca' Foscari University of Venice, Italy. The event was organised by Maria Barbati, in collaboration with Franco Corti, Silvio Giove, and Paolo Pellizzari.This edition's central theme, "Multicriteria Decision Aiding in Portfolio Selection," sparked valuable discussions about using multicriteria methods to navigate increasingly complex decision-making challenges. The meeting emphasised the growing relevance of these approaches in several contexts, including the financial one.

Figure 1 Group photo in the Historic Baratto Hall

Held in the historic Aula Baratto, a hall overlooking Venice's iconic Canal Grande, the venue set a stunning backdrop for three days of academic exchange and networking.

Figure 2 View from the balcony of the Baratto Hall

The event welcomed 50 researchers worldwide, including participants from the USA, Canada, Brazil, England, France, Germany, Switzerland, Poland and Italy.

The meeting opened on Thursday at noon with a reception and welcome address by Professor Giacomo Pasini, the Head of the Department of Economics. This was followed by brief greetings from Paolo Pellizzari, who introduced the keynote session delivered by Michael Doumpos. Unfortunately, Professor Doumpos could not attend in person due to a general strike in Greece and the cancellation of his flights the day before. The lecture was delivered virtually thanks to some quick-thinking technical adjustments by the organisers. The keynote was well received, leading to a lively discussion and reflections, which were particularly meaningful in the current challenging financial climate.

The following sessions showcased a range of applications of multicriteria methods, from financial portfolio optimisation to sustainable urban planning, reinforcing the versatility of MCDA tools.

Thursday evening concluded with a warm and relaxed social dinner at Ristorante San Trovaso, where attendees enjoyed traditional Venetian cuisine.

The next day began with a packed regular session focusing on how MCDA methods can be effectively used to build composite indicators. One of Friday's highlights was a dynamic round table discussion. The speakers included Salvatore Greco from the University of Catania, Ralph Steuer from the University of Georgia, and Antonella Basso from Ca' Foscari University of Venice. Salvatore opened the conversation by discussing the history of the portfolio optimisation problem, tracing it from De Finetti's initial elaborations to the latest developments. Following him, Ralph Steuer addressed the financial portfolio optimisation issue and reflected on applying the Markowitz optimisation model. Antonella Basso highlighted the challenges of measuring and incorporating ESG criteria into portfolio optimisation. The session was highly informative, gathering insights from multiple perspectives and leading to a thoughtful discussion representing diverse viewpoints.

Following the round table, the participants continued their conversation over lunch in the adjoining room, Sala dell'archivio, while tasting the local Prosecco wine.

The subsequent group activities session included several announcements, particularly regarding the next two EWG-MCDA meetings. The 100th meeting, chaired by Milosz Kadziński, will take place in September 2025 in Poznan, while the 101st meeting, chaired by Sajid Siraj, will follow in April 2026 in Leeds.

The afternoon continued with another regular session presenting the latest advancements in MCDA methods and applications. This was followed by the final regular session, during which the speakers discussed how multicriteria methods can support decision-making in public policy and

governance. The day concluded with an interesting presentation by one of the group's youngest members.

As per tradition for the EWG-MCDA meetings, participants enjoyed a social excursion by boat on Saturday, visiting the islands of Murano and Burano. They first boarded a panoramic two-deck boat and stopped in Murano, where they visited a glass factory and attended a glass-blowing masterclass.

Figure 3 Attending the glass-blowing Masterclass

After some free time to explore the island, they boarded a traditional Venetian "lancione" boat and headed to the picturesque island of Burano, known for its colourful houses. There, they enjoyed a traditional aperitif featuring Cicchetti and Spritz in a "Campiello" of the island, as shown in the drone picture.

Figure 4 Aerial shot of "Cicchetti and Spritz" in Burano island

Following some leisure time for shopping for traditional sweets and "merletti", the local fabric, the excursion concluded with a return trip to the meeting point at San Giobbe, home to the economic campus of Ca' Foscari University.
We sincerely hope all participants enjoyed their experience, including the scientific program and social activities. The detailed meeting program is attached. You can also find the program and the Book of Abstracts on the conference website: www.unive.it/ewgmcda99.
We look forward to the next EWG-MCDA milestone event in Poznan this September.

Maria Barbati and Franco Corti
maria.barbati@unive.it
franco.corti@unipd.it

99th EWG-MCDA meeting PROGRAM

Thursday 10th April 2025

12:00 – 13:00	Registration and lunch
13:00 – 13:15	Opening Session

13:15 – 14:15 Keynote Lecture – Michalis Doumpos, *Incorporating ESG Factors in Multicriteria Portfolio Optimization: An Overview and Empirical Evaluation*	**Chair: Paolo Pellizzari**

14:15 – 16:00 Session 1 Multicriteria Approaches to Financial Portfolio Optimization	**Chair: Silvio Giove**
The effects of the introduction of volume-based liquidity constraints in portfolio optimization with alternative investments *Antonella Basso, Diana Barro, Stefania Funari and Guglielmo Alessandro Visentin*	
ELECTRE Tri-BR outranking method within PERTUSATU framework: application to formation of a stock portfolio *Pascal Oberti, Frédéric Leca and Saliha Ozayo*	
Mitigating ESG scores divergence in multi-criteria portfolio decisions: The case study of blue economy *Sofia Baiocco, Amelia Bilbao-Terol and Mar Arenas Parra*	
Sustainable Index Tracking *Sebastian Utz, Ralph Steuer and Maximilian Wimmer*	
Submitted to Discussion Tracking-based green portfolio optimization *Diana Barro, Marco Corazza and Gianni Filograsso* Multi-objective Portfolio Optimization considering Entropy as Diversification Objective *Fouad Ben Abdelaziz, Meriem Hemici and Djaafar Zouache* Optimizing Real Estate Portfolios: A Fuzzy MCDA Methodology for Risk and Return Analysis *Rubina Canesi and Chiara D'Alpaos* Optimising Sustainable Circular Waste Management: A Portfolio Theory Approach Through a Multiple Case Study of Practice and Performance Linkage *Kannan Govindan, Devika Kannan, Laura Gregersen, Mikkel Stampe Nielsen and Simon Ølholm* Integrating Social Multi-Criteria Evaluation into European Commission Impact Assessments: a workflow analysis approach *Nicole Ostlaender*	

16:00 – 16:30 Coffee Break

16:30 – 18:00 Session 2 Sustainable Development and Urban Planning in MCDA	Chair: Salvatore Corrente

A dynamic approach to Strong Sustainability: theoretical foundations for practical application *Beatrice Mecca, Isabella M. Lami and Matteo Brunelli*

Bridging strategy and practice: the IBTool as an innovative multicriteria system for sustainable urban transformation *Francesca Abastante, Giuliano Poli and Francesco Piras*

Exploring the potential of multi-objective optimization for the co-construction and co-evaluation of urban transformation alternatives *Caterina Caprioli, Marta Bottero and Elena De Angelis*

Towards Excellence: Developing a Multidimensional Benchmarking Framework for Assessing Success in Mobility as a Service (MaaS) Systems *Davide De Vita, Nunzia Carbonara, Antonio Messeni Petruzzelli, Michele Ottomanelli and Marco Locurcio*

Submitted to Discussion Assessing Multi-Dimensional Impacts in Urban Regeneration: A Decision-Support Framework for Public Building Reuse *Marta Bottero, Giulio Cavana, Federico Dell'Anna, Danny Casprini, Alessandra Oppio and José Rui Figueira*

Beyond Financial Metrics: A MCDA-Based Methodology for Social Value Assessment in Portfolio Selection *Alessandra Oppio and Marta Dell'Ovo*

19:30 – 23:00 Social Dinner at *"Ristorante San Trovaso"*

Friday 11th April 2025

9:00 – 11:00 Session 3 Recent Trends in MCDA for Building Composite Indicators	Chair: Marco Corazza

Analysing Human Development Index with a MultiCriteria Decision Aiding Perspective *Meltem Öztürk*

Environmental, social, and governance evaluation for European small and medium enterprises: A multicriteria approach *Marco Corazza, Diana Barro and Gianni Filograsso*

An enhanced simulation-based approach for multicriteria evaluation problems of SME's performance *Maria Rosaria Pappalardo, Silvia Angilella, Michalis Doumpos and Constantin Zopounidis*

Identifying ties in countries' AI capability ranking through the Kullback-Leibler Divergence *Renata Pelissari, Betania Campello, Guilherme Dean Pelegrina and LeonardoTomazeli Duarte*

An Explainable Composite Indicator Based on Decision Rules *Silvano Zappalà, Salvatore Corrente, Salvatore Greco and Roman Słowiński*

Submitted to Discussion Multidimensional evaluation of deprivation through Expert judgement *Luca Anzilli, Marta Cardin and Silvio Giove*

Modelling confidence and optimism in Stochastic Multicriteria Acceptability Analysis *Sally Giuseppe Arcidiacono, Salvatore Corrente and Salvatore Greco*

A methodology to construct a reduced Composite Indicator for Digital Divide: An application to the Digital Economy and Society Index (DESI) *Giuseppe Bruno, Antonio Diglio, Carmela Piccolo, Eduardo Pipicelli*

11:00 – 11:30 Coffee break

11:30 – 12:30 Round Table – Multicriteria Decision Aiding in Portfolio Selection

12:30 – 13:30 Lunch

13:30 – 14:00 Group Activities	Chair: Roman Słowiński

14:00 – 16:00 Session 4 Advancements in MCDA methods and latest applications	Chair: Nadia Papamichail

The Prison Life Index: Applying ELECTRE TRI for Ordinal Indicator Aggregation with Limited Compensation *Lola Martin Moro and Meltem Öztürk Escoffier*

Multicriteria Decision Aiding with Deck of the Cards based Ordinal Regression *Salvatore Greco, Maria Barbati and Isabella M.Lami*

A Decision Support Framework for Evaluating Policy Strategies *Nadia Papamichail, Peter Strong, Aditi Shenvi, Xuewen Yu and Jim Q Smith*

Submitted to Discussion Generalising the distance-induced ordered weighted averaging (DIOWA) operators *Sajid Siraj and Chengju Gong*

An improvement of the arithmetic Heuristic Rating Method *Jacek Szybowski and Konrad Kułakowski*

Towards an MCDA approach for supporting sustainable decision making in agri-food production processes *Nikos Tsotsolas, Eleni Koutsouraki and Aspasia Antonakaki*

Deck of Cards method for Hierarchical, Robust and Stochastic Ordinal Regression *Silvano Zappalà, Salvatore Corrente and Salvatore Greco*

16:00 – 16:30 Coffee break

16:30 – 18:00 Session 5	Chair: Giuseppe Bruno

Saturday 12th April 2025
9:30 - 16:00: Social excursion

A heartfelt memory of Prof. Anna Ostanello (1938-2023)

Professor Anna Ostanello passed away on October 7, 2023. She was part of the generation of the founders of the EURO Working Group on Multiple Criteria Decision Aiding (EWG-MCDA) and a pioneer of Operational Research (OR) and Multiple Criteria Decision Aiding (MCDA) in Italy.
Anna Ostanello made a very important contribution to MCDA through her pioneering efforts in research, teaching and consulting.

Background
Anna Ostanello was born in 1938 and obtained a degree in Mathematics at the University of Turin in 1960. She was part of the EURATOM CETIS group of ISPRA (Istituto Superiore per la Protezione e la Ricerca Ambientale - Italian institute for environmental protection and research) until 1962 as a junior researcher and then she was assistant professor of Rational Mechanics at the Politecnico di Torino from 1963 onwards.

Figure 5 Anna Ostanello (1938-2023)

Anna started to work on OR in 1961 and was aggregated to the Operations Research Centre of the University of California, Berkeley, from 1966 to 1968. She was an appointed professor and then an associate professor of Operational Research at the Politecnico di Torino from 1974 to 1997, the year she retired for health reasons.
She initially worked on the Graph Theory and Multiobjective Optimisation problems and was a dedicated contributor to the EWG-MCDA from the moment Bernard Roy founded the European Working Group. She organised two EWG-MCDA meetings in Turin, in 1977 and 1987, and she actively participated in EWG-MCDA meetings and newsletters, where she usually proposed her vision of the decision aid methodology, complex decision problems in organisational and territorial contexts, and the actors' behaviour in the decision processes.
She participated, as a Professor, in the first international summer school on "Multiple criteria decision making methods, applications and software" (1983, Costa Ionica, Sicily, Italy). As coordinator of the Turin Territorial Section of the Italian Association of Operations Research in the eighties', she organised seminars and workshops on decision aid models and decision processes, and built up and maintained a close relationship with CSI-Piemonte, the regional Consortium of Information Systems, which, since 1977, has being creating digital services for public administrations.

Education
Anna Ostanello launched one of Italy's first courses on OR, at the Politecnico di Torino, in 1975. The next year, Multicriteria (MC) analysis was introduced, for the first time in Italy, into the OR course, together with Mathematical programming. As an active member of the Italian Association of Operational Research, she documented and disseminated this new methodological vision in the OR context and the powerful and operational message of the ELECTRE methods in annual presentations at national OR conferences, workshops and seminars throughout Italy
MCDA is a methodology that adopts a constructivist approach, where the concepts, constructed models, procedures

and results are developed, shared and criticised as a body of knowledge that evolves during the decision aid process. The methodology was included into the OR course at the Politecnico di Torino in 1977 and then into different courses until the year 1997, when Anna Ostanello retired. In those twenty years, she proposed the description of cases where MC methods had facilitated decision processes focusing on both the process of problem understanding and formulation and on the analytical treatment of data, evaluations and preferences. The students learned to analyse the possible roles of analysts and tools in actual and sometimes complicated MCDA cases, and they were stimulated to identify decision problems in their environments (personal decision problems or organisational problem situations in which some of their relatives or friends had been involved) and to study a specific case in teams of students, with the help of a tutor. This educational idea, which was completely innovative in that period for a technical university, produced interesting presentations of the teams' work at the end of each course and often led to an interaction with decision problems and processes during the students' master theses. Anna Ostanello left an indelible mark on the Politecnico and its students.

Research

She made significant contributions to the scientific field until 1999, when health problems obliged her to start a different but still active life. She developed MCDA applications, above all in the municipalities of Milan and Turin and in several enterprises, in the seventies and eighties. This activity involved close and fruitful relationships with research teams interested in decision processes (with G. Hirsch, E. Jacquet-Lagrèze and J. Moscarola, who were involved in a research project at LAMSADE) or in the role of rational modelling in the organisational processes of choice and decision making (with A. Hatchuel and H. Molet at the Centre de Gestion Scientifique - Ecole des Mines de Paris), which led to an approach that combined research and action. This approach always required a great deal of time, but it helped Anna Ostanello to envisage practical experiences, to use this analysis in new MCDA applications and to facilitate communication with decision process actors in different organisations. This approach, which can be described as a reflective practice, produced an in-depth analysis of the role of MC models and methods in practice, in complex problem situations, and a framework, to analyse and document the steps of a decision aid process.

She proposed studying the reasons behind backward and forward cycles, the elements that had forced analysts to backtrack to previous activities or to change elements of the model or of problem understanding. Starting from these analyses, Anna used the framework to reflect on a more mature and integrated development of an analyst's activities and to focus on the need for new tools, such as neural networks, or of an integration of modelling and problem solving tools and MC methods, which could produce «valid» answers to a client's demand for decision aid. She presented certain methodological considerations concerning some new trends of MCDA research and the development/validation process of these 'new tools' in keynote speeches and in papers.

She conducted analyses of the complex relationships between actors and organisation processes that characterise any public decision process, and generated a model that can facilitate an integrated representation of a variety of simultaneous processes, for interpretative purposes and to support the identification of 'coherent' behaviour. This seminal idea was at the base of the research field that is now called Policy analytics.

In one of her last papers, Anna proposed her vision of complex problem structuring in relation to the concept of an "understanding perspective" within a decision aid intervention. "A participative paradigm, which should naturally integrate analytical, organisational and political or social actions of an analyst in a decision aid process, could make the logic of the used tools understandable, improve the validity of any cognitive process and its results, facilitate learning, communication, cooperation, negotiation and thus organisational change". Thus, Anna Ostanello proposed a structuring approach whose "objects" could not be limited to data, evaluation systems or complex problems, but should also include the analyst's role, activities and tools, in relation to specific contexts of action and process constraints. This approach anticipated the behavioural analysis of decision aid processes.

A new life after 1999

When health problems obliged Anna to reduce her scientific work, she started a new but still active life in the Langhe hills in Piedmont, at Cessole, where she welcomed friends to her warm and cheery home until October 2023.

She dedicated all her energy to new and somewhat different activities. After a diligent attendance of courses on calligraphy, lettering and art bookbinding, some of her artistic results were appreciated in national and international competitions. Anna then became a volunteer in the Asti prison, where she taught young prisoners the basics of bookbinding. Some of these prisoners realised booklets (as collections of personal thoughts, poetry, and so on), which they bound and presented in an exhibition in Turin.

Anna was a good friend of doctor Rizzolio, who had been the municipal doctor of a large area of the Bormida valley for sixty years. They shared their love of literature and poetry. On the doctor's death, in 2010, his books were given to the municipality of Cessole, and Anna created the cultural association Pietro Rizzolio and the Pietro Rizzolio public library, which hosted his books. More than four thousand books from private donations had been received, catalogued and made accessible to the public and above all to the young people of the valley. Anna often used the library when she organised cultural events for adults and children. Her passion for culture was specifically directed towards the culture of the Langhe, as impressively proposed by writers, such as Cesare Pavese and Beppe Fenoglio, in opposition to fascism.

Her knowledge of and enthusiasm for the authenticity of Piedmontese cuisine, the quality of all the good and simple local products and the local wine makers' passion for their work were always evident when she welcomed her friends to

her home in Cessole. Her rich culture, enthusiasm and friendliness were manifested to the EWG-MCDA members for the last time at the end of the meeting in Turin in 2010, when she organised and took part in a visit to the hills in the area, to some wine producers and to a restaurant that served traditional cuisine.

Her death has left a huge gap that is felt by many.

Maria Franca Norese
maria.norese@formerfaculty.polito.it

MCDA Research Groups

Helmholtz working group on MCDA for sustainability assessment (HWG-MCDA)

https://www.mcda-helmholtz.de/

The Helmholtz Working Group on MCDA for sustainability assessment (HWG-MCDA), as part of the Helmholtz program Energy Systems Design (ESD), is dedicated to supporting the transformation of energy systems. This is done by fostering the development and dissemination of multi-criteria decision analysis (MCDA) methods to design, validate and assess societally feasible transformation pathways. The HWG-MCDA was established in 2021 and is coordinated by scientists from the Karlsruhe Institute of Technology (KIT), the Forschungszentrum Jülich (FZJ) and the German Aerospace Center (DLR). Research activities of the group are structured alongside four fundamental components of MCDA-assisted sustainability assessment, namely problem definition, sustainability criteria, MCDA methods and stakeholder's integration. Applicability and ease of use are fundamental parts of our research. Members of the HWG-MCDA from KIT have been working on a decision-support software called
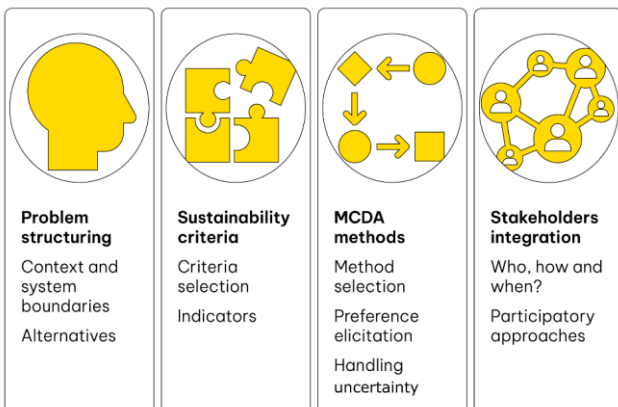
HELDA – Helmholtz MCDA Tool in order to facilitate the use of MCDA for sustainability assessment (see Figure 1).

HWG-MCDA members
KIT: Martina Haase, Tim Müller, Manuel Bauman, Jens Buchgeister, Carolina Godoy, Andreas Rudi, Laura Mesa Estrada
FZJ: Christina Wulf
DLR: Urte Brand-Daniels
Helmholtz Zentrum für Umweltforschung (UFZ): Walther Zeug

For detailed information about the members of the group visit our website https://www.mcda-helmholtz.de/68.php

HWG-MCDA: Engagement and collaboration

Since its establishment, the HWG-MCDA has organized workshops and joint activities in the field of MCDA for sustainability assessment. The group usually meets twice a year. Starting with workshops exclusively for Helmholtz scientists in 2021 (see Fig. 2), external speakers have been invited once a year since autumn 2023 to enrich the group's discussions (see Fig. 3). Members of the EWG-MCDA took part in the last two workshops including Marco Cinellli (Leiden University) and Giuseppe Munda (Decision Analysis Lab at the Joint Research Centre (JRC), European Commission) giving keynote presentations.

Figure 7 Participants at the Helmholtz MCDA Workshop in Fulda, July 2022

Figure 8 Participants at the Helmholtz MCDA Workshop in Karlsruhe, October 2024

Figure 6 Core contents of HWG-MCDA (Source: KIT-ITAS 2023

HELDA - Helmholtz MCDA Tool

https://www.mcda-helmholtz.de/64.php

Martina Haase, Tim Müller and Laura Mesa Estrada actively work on the development of HELDA. Several requests have been received to use HELDA for teaching purposes. We are taking advantage of this activity to encourage collaboration, promote the use of HELDA and gather feedback. The complete information about HELDA is available on our website, but here we share a brief description of the history and functionality of the software.

HELDA is a further development of MCDA Tool KIT which was originally created for nuclear emergency management at KIT-ITES. **HELDA** is the result of the ongoing collaboration of KIT-ITES and KIT-ITAS to provide a MCDA software to meet the demands for sustainability assessment. HELDA comes with a refreshed user interface, new logo, additional features and a plug-in for interactive stakeholder involvement. **HELDA** includes the following aggregation methods: Weighted sum, weighted product, weighted rank, TOPSIS, VIKOR, PROMETHEE I and II, ELECTRE III, and the following weighting methods: AHP, SWING, SMART, Deck of cards method, Direct weights (sliding bar or direct input). **HELDA** can perform uncertainty analysis on input data (performances and weights) using probability distributions, Monte Carlo simulation, sensitivity analysis on input data (performances and weights). **HELDA** allows visualization of weighting sets analysis for single or multiple stakeholder, ranking of alternatives from best to worst (including uncertainty analysis), sensitivity analysis (stability graph), dominance graph. A recently developed plugin for interactive stakeholder involvement allows for online survey generation to gather preferences on criteria and their weights. HELDA has been tested and actively involved in different activities:

- HELDA and the plugin for stakeholder integration were successfully tested within the EU project StoRIES. The objective of the workshop was to define and weigh sustainability criteria for assessing energy storage technologies in the short and long term, including stakeholders.

- The Lucerne University of Applied Sciences and Arts (HSLU) in collaboration with members of the HWG-MCDA from KIT, conducted a workshop with stakeholders on seasonal thermal energy storage (STES). The aim of the workshops was to create a well-founded decision-making basis by weighing technical, economic, ecological and social criteria and to identify a technology that meets the specific requirements.

- HELDA functionality was presented in an online webinar organized by StoRIES, the EERA Joint Program on Energy Storage, and POLiS. The webinar was called "MCDA for Sustainability Assessment - basics, challenges and software support by HELDA".

- Helmholtz project RESUR: representatives from science and society discussed and weighed criteria for a sustainable and robust energy system.

- Currently, we are preparing for a decision theater within the EU Project TWINVECTOR in which HELDA will play a major role.

Selected publications

Godoy, J. C.; Cajo, R.; Mesa Estrada, L.; Hamacher, T. (2025). Multi-criteria analysis for energy planning in Ecuador: Enhancing decision-making through comprehensive evaluation. Renewable Energy, 241, 122278. doi:10.1016/j.renene.2024.122278.

Estrada, L. M.; Haase, M.; Baumann, M.; Müller, T. (2024). Multicriteria Decision Analysis for Sustainability Assessment for Emerging Batteries. In S. Passerini, M. Baumann, M. Weil (Eds.), Emerging Battery Technologies to Boost the Clean Energy Transition : Cost, Sustainability, and Performance Analysis. Springer International Publishing, Cham, pp. 307–334. doi:10.1007/978-3-031-48359-2_18.

Wulf, C.; Haase, M.; Baumann, M.; Zapp, P. (2023). Weighting factor elicitation for sustainability assessment of energy technologies. Sustainable energy & fuels, 7 (3), 832–847. doi:10.1039/d2se01170k.

Rhoden, I.; Ball, C. S.; Grajewski, M.; Vögele, S.; Kuckshinrichs, W. (2023). Reverse engineering of stakeholder preferences – A multi-criteria assessment of the German passenger car sector. Renewable and Sustainable Energy Reviews, 181, 113352. doi: 10.1016/j.rser.2023.113352.

Vögele, S.; Josyabhatla, V. T.; Ball, C.; Rhoden, I.; Grajewski, M.; Rübbelke, D.; Kuckshinrichs, W. (2023). Robust assessment of energy scenarios from stakeholders' perspectives. Energy, 282, 128326. doi: 10.1016/j.energy.2023.128326.

Baumann, M.; Häringer, M.; Schmidt, M.; Schneider, L.; Peters, J. F.; Bauer, W.; Binder, J. R.; Weil, M. (2022). Prospective Sustainability Screening of Sodium-Ion Battery Cathode Materials. Advanced energy materials, 12 (46), Artkl.Nr.: 2202636. doi:10.1002/aenm.202202636.

Mesa Estrada, L. S.; Haase, M.; Wulf, C.; Baumann, M.; Zeug, W.; Ball, C.; Bezama, A.; Brand-Daniels, U.; Buchgeister, J.; Heck, R.; Kopfmüller, R.; Müller, T.; Naegler, T.; Oswald, M.; Rudi, A.; Siekmann, F. (2022). MCDA for sustainability assessment – insights to Helmholtz Association activities. Zenodo. doi:10.5281/zenodo.7273635.

Wulf C, Zapp P, Schreiber A, Kuckshinrichs W. Integrated Life Cycle Sustainability Assessment: Hydrogen Production as a Showcase for an Emerging Methodology. In: Klos ZS, Kalkowska J, Kasprzak J, (Eds.). Towards a Sustainable Future - Life Cycle Management: Challenges and Prospects. Cham: Springer International Publishing; 2022. p. 97-106.

Haase, M.; Wulf, C.; Baumann, M.; Ersoy, H.; Koj, J. C.; Harzendorf, F.; Mesa Estrada, L. S. (2022). Multi criteria

decision analysis for prospective sustainability assessment of alternative technologies and fuels for individual motorized transport. Clean technologies and environmental policy, 24 (10), 3171–3197. doi:10.1007/s10098-022-02407-w.

Ottenburger, S. S.; Möhrle, S.; Müller, T. O.; Raskob, W. (2022). A Novel MCDA-Based Methodology Dealing with Dynamics and Ambiguities Resulting from Citizen Participation in the Context of the Energy Transition. Algorithms, 15 (2), Article no: 47. doi:10.3390/a15020047.

Hottenroth, H.; Sutardhio, C.; Weidlich, A.; Tietze, I.; Simon, S.; Hauser, W.; Naegler, T.; Becker, L.; Buchgeister, J.; Junne, T.; Lehr, U.; Scheel, O.; Schmidt-Scheele, R.; Ulrich, P.; Viere, T. (2022). Beyond climate change. Multi-attribute decision making for a sustainability assessment of energy system transformation pathways. Renewable and Sustainable Energy Reviews, 156, Art.-Nr.: 111996. doi:10.1016/j.rser.2021.111996.

Wulf C, Zapp P, Schreiber A, Kuckshinrichs W. (2021). Setting Thresholds to Define Indifferences and Preferences in PROMETHEE for Life Cycle Sustainability Assessment of European Hydrogen Production. Sustainability, 13(13):7009. doi: 10.3390/su13137009.

Asselt, E. D. van; Twenhöfel, C. J. W.; Duranova, T.; Smetsers, R. C. G. M.; Bohunova, J.; Müller, T. (2021). Facilitating the Decision-Making Process After a Nuclear Accident: Case Studies in the Netherlands and Slovakia. Integrated environmental assessment and management, 17 (2), 376–387. doi:10.1002/ieam.4375.

Naegler, T.; Becker, L.; Buchgeister, J.; Hauser, W.; Hottenroth, H.; Junne, T.; Lehr, U.; Scheel, O.; Schmidt-Scheele, R.; Simon, S.; Sutardhio, C.; Tietze, I.; Ulrich, P.; Viere, T.; Weidlich, A. (2021). Integrated multidimensional sustainability assessment of energy system transformation pathways. Sustainability (Switzerland), 13 (9), 5217. doi:10.3390/su13095217.

Martina Haase and Laura Sofia Mesa Estrada
martina.haase@kit.edu; laura.mesa-estrada@kit.edu
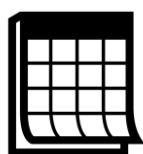
Forthcoming meetings

(This section is prepared by Carlos Henggeler Antunes ch@deec.uc.pt)

8-9/5/2025
1st Iberian Conference on MCDM/MCDA
Coimbra, Portugal
http://multicriterio.es/IMCDM-MCDA25.html

22-24/5/2025

71st EURO Working Group for Commodities and Financial Modelling Conference
Rabat, Morocco
https://www.ekf.vsb.cz/ewg/en/

3-6/6/2025
2025 Mixed Integer Programming Workshop (MIP 2025)
Minnesota, USA
https://www.mixedinteger.org/2025/

4-6/6/2025
Modelling, Computation and Optimization in Information Systems and Management Sciences (MCO 2025)
Metz, France
https://mco2025.event.univ-lorraine.fr/

9-13/6/2025
Workshop of Mathematical Solutions in Business and Industry
Palanga, Lithuania
https://mathworkshop.ktu.edu/

11-13/6/2025
IPCO 2025 - The 26th Conference on Integer Programming and Combinatorial Optimization
Baltimore, USA
https://ipco25.cs.jhu.edu/

11-14/6/2025
WODCA 2025—Workshop on Optimization, Dynamics, and Convex Analysis
Aveiro, Portugal
https://sites.google.com/view/wodca2025/

15-18/6/2025
25th International Conference on Group Decision and Negotiation
Zaragoza, Spain
https://gdnconference.org/gdn2025/

15-19/6/2025
LION - 19th Learning and Intelligent Optimization Conference
Prague, Czech Republic
https://lion19.org/

16-20/6/2025
MIT Discrete Choice Analysis short course
online (MIT)
https://professional.mit.edu/course-catalog/discrete-choice-analysis-predicting-individual-behavior-and-market-demand

16-20/6/2025
Applications of metaheuristics to large-scale problems
Sozopol, Bulgaria
http://parallel.bas.bg/Conferences/SciCom25/

17-20/6/2025
MOPTA 2025 and 70th Birthday of Tamás Terlaky
Bethlehem, Pennsylvania
https://coral.ise.lehigh.edu/mopta2025/

19-20/6/2025
International Summer Conference 2025 (ISC25)
Catania, Italy
https://decisionsciencealliance.org/isc-2025/

21/6/2025
OR Education Workshop at EURO 2025
Leeds, UK
https://euro2025leeds.uk/satellite-events/

22-25/6/2025
EURO 2025
Leeds, UK
https://euro2025leeds.uk/

22-27/6/2025
TRISTAN XII
Okinawa, Japan
https://tristanconference.org/

26-27/6/2025
Workshop on Choice-based Optimisation and Demand Modelling
Lancaster, UK
https://www.lancaster.ac.uk/lums/research/events/workshop-on-choice-based-optimisation-and-demand-modelling/

27-29/6/2025
EUROPT 2025 Summer School
Southampton, UK
https://europt2025.org/

30/6-3/7/2025
11th IFAC Conference on Manufacturing Modelling, Management and Control – IFAC MIM 2025
Trondheim, Norway
http://conferences.ifac-control.org/mim2025/blog/2023/01/27/welcome-ifac-mim2025/

1-3/7/2025
The 16th International Conference on Multiple Objective Programming and Goal Programming
Varese, Italy
https://mopgp.org/

1-3/7/2025
2025 Mixed Integer Programming European Workshop
Clermont-Ferrand, France
https://www.mixedinteger.org/EUROMIP/2025/

2-4/7/2025
8th European Conference on Industrial Engineering and Operations Management
Paris, France
https://ieomsociety.org/paris2025/

4-5/7/2025
5th Conference on Sustainable Supply Chains (SustSC 2025)
Graz, Austria

https://sustainable-supply-chains.uni-graz.at/en

6-11/7/2025
ORAHS 2025: Enabling Healthcare Innovation through Operations Research
Trondheim, Norway
https://www.ntnu.edu/orahs2025

14-18/7/2025
2025 Genetic and Evolutionary Computation Conference (GECCO2025)
Malaga, Spain
https://gecco-2025.sigevo.org/HomePage

28/7-1/8/2025
ICSP 2025 - XVIIth Conference on Stochastic Programming
Paris, France
https://icsp2025.org/

30/7-1/8/2025
SIAM Conference on Applied and Computational Discrete Algorithms (ACDA25)
Québec, Canada
https://www.siam.org/conferences-events/siam-conferences/acda25/

31/7-1/8/2025
WBO 2025, International Workshop on Big Optimization
Catania, Italy
https://www.ants-lab.it/wbo2025/

7-8/8/2025
AI-OPT 2025, The 2025 Workshop on AI-based Optimisation
Carlton, Australia
https://optima.org.au/2025-workshop-on-ai-based-optimisation-ai-opt-2025/

24-27/8/2025
ICBAP2025 International Conference on Business Analytics in Practice 2025
Piraeus, Greece
https://academyba.com/icbap2025/

1-4/9/2025
International Conference on Optimization and Decision Science 2025 (ODS2025)
Milan, Italy
https://www.airoconference.it/ods2025/

2-5/9/2025
Global Optimization Workshop 2025
Stockholm, Sweden
https://sites.google.com/view/stogo25/

2-5/9/2025
OR 2025, the annual meeting of the German Operations Research Society
Bielefeld, Germany
https://or2025.de/

4-5/9/2025   EURO-HOpe (EURO Working Group on Humanitarian Operations)
The University of Edinburgh Business School
https://www.business-school.ed.ac.uk/event/euro-hope-mini-conference

14-17/9/2025
Computational Optimization
Krakow, Poland
https://2025.fedcsis.org/thematic/co

17-19/9/2025
XXX Meeting of EURO Working Group on Locational Analysis
Jerez, Spain
https://ewgla2025.uca.es/

18-19/9/2025
ATMOS 2025 - 25th Symposium on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems
Warsaw, Poland
https://algo-conference.org/2025/atmos/

21-24/9/2025
LOD 2025 Call for papers: 11th International Conference on Learning, Optimization and Data - LOD 2025
Tuscany, Italy
https://lod2025.icas.events/

11-13/9/2025
100th Meeting of EURO Working Group on MCDA
Poznan, Poland
https://www.cs.put.poznan.pl/ewgmcda/

29/9-1/10/2025
7th European Conference on Computational Optimization (EUCCO)
Klagenfurt, Austria
https://eucco2025.aau.at

25-26/10/2025
M-PREF 2025
Bologna, Italy
https://mpref2025.mpref.org/

26-29/10/2025
2025 INFORMS Annual Meeting
Atlanta Convention Center, Georgia, USA
https://www.informs.org/Meetings-Conferences/INFORMS-Conference-Calendar/2025-INFORMS-Annual-Meeting

10-13/11/2025
CPAIOR 2025: 22nd International Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research
Melbourne, Australia
https://sites.google.com/view/cpaior2025/home

Spring 2026
101st Meeting of EURO Working Group on MCDA

Leeds, United Kingdom
https://www.cs.put.poznan.pl/ewgmcda/

May 2026
International Conference on Multiple Criteria Decision Making
Marrakech, Morocco
https://www.mcdmsociety.org/

2-5/6/2026
OP26, SIAM Conference on Optimization
Edinburgh, UK
https://www.siam.org/conferences-events/siam-conferences/op26/

29/6/2026-3/7/2025
Conference on Industrial and Applied Mathematics
Kaunas, Lithuania
https://ecmi2026.org/

12-17/7/2026
IFORS 2026
Vienna, Austria
https://www.ifors2026.at/home/

Fall 2026
102st Meeting of EURO Working Group on MCDA
Zurich, Switzerland
https://www.cs.put.poznan.pl/ewgmcda/

11-14/7/2027
EURO 2027
Athens, Greece
https://www.euro-online.org/

Books

Triple Bottom Line and Multiple Criteria Decision Making Analysis
Fuzzy Slection Processes in the Financial Sector

Konstantina Ragazou, Constantin Zopounidis, Alexandros Garefalakis, Nikolaos Sariannidis

The significance of environmental sustainability in the business world is on the rise, necessitating that companies transfer their focus from evaluating and comparing their environmental impact to identifying the most effective methods for reducing it. Most financial institutions' decisions are significantly influenced by financial metrics. However, it is imperative to evaluate indicators from both the environmental and social domains as sustainability becomes a commercial objective. Nevertheless, conducting such an assessment in a pragmatic and methodical manner is a difficult

task. We offer an implementation of the multi-criteria decision analysis (MCDA) technique that addresses the identified challenges within the financial institution framework. As a result, we employ financial calculation methodologies and company surveys to evaluate environmental, economic, and social performance indicators, respectively. Weight entropy, fuzzy analysis, and TOPSIS methodologies have been employed to develop a comprehensive framework for organizations with a variety of stakeholders. The company's leadership can achieve successful implementation by prioritizing the selection of solutions from a variety of stakeholders.

The organization effectively incorporated a variety of indicators that were consistent with its social and environmental responsibilities by employing MCDA methodologies. This approach resulted in a comprehensive examination of the alternatives that considered factors beyond economics. We have discovered that the inclusion of triple bottom line indicators in our MCDA application provides a more comprehensive understanding of stakeholder preferences. Consequently, our book has established a framework for structured discussions regarding the organization's objectives and priorities, as well as a comprehensive comprehension of the available alternatives.
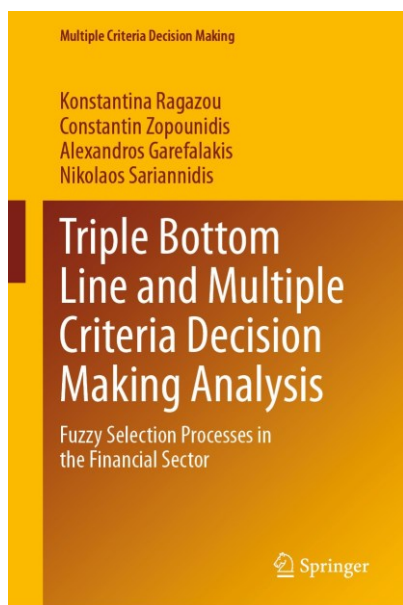
Announcements and Call for Papers

Call for the "Bernard Roy Award 2025" of the EURO Working Group on Multiple Criteria Decision Aiding

Policy
-The Bernard Roy Award of EWG MCDA (http://www.cs.put.poznan.pl/ewgmcda/) is a recognition conferred to a researcher under 40 years old for an outstanding contribution to the methodology and/or applications of Multiple Criteria Decision Aiding (MCDA).
-The award will be officially bestowed at the opening session of the EWG MCDA Autumn meeting (11-13 September, 2025 organized in Poznan) if there is a suitable candidate. In this case, following a presentation of the competition by the chair of the Jury, the laureate will be invited to give a talk.

Award
The laureate then will receive the financial award (1,000 EUR) and the diploma.

Eligibility
-The Bernard Roy Award of EWG MCDA shall be awarded for a body of work in MCDA, preferably published over the last decade. Although recent work will not be excluded, care shall be taken to allow the contribution to stand the test of time.
-The potential award recipient shall have a recognized stature in the MCDA community. Significance, innovation, depth, and scientific excellence shall be emphasized.

Nominations
- Candidates can be nominated by any three members of the EWG MCDA. Becoming a member is free (please, send an email to Milosz Kadziński).
- A candidature for the Bernard Roy Award of EWG MCDA is composed of the nomination letter along with a recent and detailed CV, up to 5 best publications, as well as a self-description of the achievements up to 3 page long in a standard manuscript format. The nominations must be sent to the Jury chair by the due date of May 20, 2025.

Selection process
-Only one award may be assigned on each occasion.
-One person may receive the award at most once in her/his lifetime.
-The jury evaluates the nominees essentially on the basis of their scientific activities (papers in top journals, editorials, relevance of methodological proposals and/or applications, ...).

Jury
-The jury for the current edition is composed of Professors Salvatore Greco (chair), Constantin Zopounidis, Yves De Smet, Sarah Ben Amor and Francis Macary.

Timing
-Deadline for nominations: May 20, 2025.
-The Jury chair informs the EWG coordinators who invite the laureate to the meeting: July 31, 2025.
-Preparation of the diploma by the EWG coordinators.
Presentation of the laureate and her/his talk during the EWG MCDA 100th EWG MCDA meeting, 11-13 September 2025, Poznan University of Technology, Poznan, Poland. An electronic copy of the laureate's presentation handed over to

the EWG coordinators will be made available on the EWG on MCDA Web Site.

Applications should be sent to Professor Salvatore Greco at: salgreco@unict.it.

Previous BR award winners

- 2024: Mohammad Ghaderi, Pompeu Fabra University, Spain
- 2023: Eleftherios Siskos, Technical University of Crete, Greece
- 2022: Banu Lokman, University of Portsmouth; UK
- 2021: Matteo Brunelli, University of Trento, Italy
- 2020: Salvatore Corrente, University of Catania, Italy
- 2019: Miłosz Kadziński, Poznan University of Technology, Poland

Interactive Multiobjective Optimization Course at Jyväskylä Summer School

We are excited to highlight the course "Interactive Multiobjective Optimization: Applications and Tools to Support Decision Making" (COM3) as part of the 34th Jyväskylä Summer School (JSS), which will be held from August 4-15, 2025, at the University of Jyväskylä, Finland. This course is one of several offerings in the summer school, which brings together advanced master's students, PhD candidates, and post-doctoral researchers from around the world to engage with leading scientists in various fields, including mathematics, and information technology. Notice that participants can select which courses to attend from a wide array of courses specifically prepared for the summer school. For a list of available courses, see the link at the end of this announcement.

The COM3 course, taking place from August 11-15, 2025, is of special interest to researchers and practitioners in the field MCDA. The course is tailored for those interested in interactive multiobjective optimization and is taught by experts from the Multiobjective Optimization Group at the University of Jyväskylä. This course will explore real-life optimization problems involving multiple conflicting objectives. Specifically, the course will focus on the decision-support aspects that interactive methods enable when supporting decision makers in solving multiobjective optimization problems.

The course participants will learn about interactive multiobjective optimization methods and gain hands-on experience in applying them. The course will utilize DESDEO, an open-source framework for implementing and applying interactive multiobjective optimization methods. In fact, the new and completely restructured version of DESDEO, version 2.0, is utilized, which is user friendlier and more capable than its predecessor. Participants that are familiar with the earlier version of DESDEO will therefore still find a lot of novelty in this course.

The course consists of both daily lectures and practical sessions. Each day will have its distinct theme. During the lectures, the theoretical background of the day's theme is first discussed. Then, following the lecture, the theme will be applied during a practical session utilizing DESDEO. Completion of the course will earn participants 2 ECTS credits, with the option to earn an additional 2 credits through a final project.

This course is a fantastic opportunity to learn about interactive multiobjective optimization and its application from the leading researchers in the field. After this course, participants will have the readiness to start applying interactive methods in their own works, both in academy and industry.

For more info on the available course in the summer school and to register, please visit https://www.jyu.fi/en/study-with-us/summer-and-winter-schools/jyvaskyla-summer-school.

Note that registration to the summer school closes on the 30th of April 2025, so act quickly!

Renewal of the MCDM society website and LinkedIn group

Dear Colleagues,

I am delighted to inform you that we are nearing completion of the renewal of our International Society on Multiple Criteria Decision Making website: link. In recent months, a task force comprising José Rui Figueira, Gulsah Karakaya, Giovanni Misitano, Serpil Sayin, and myself has been leading the renewal process, while Antonio Corrente generously handled the technical aspects, sharing his expertise at no cost.

The website is now fully operational, so if you would like to share MCDM-related news, please email secretary@mcdmsociety.org, and I will ensure it gets published.

Additionally, if you spot any typos or necessary corrections, please let me know.

I'd also like to take this opportunity to let you know that our MCDM Society has an official LinkedIn group: (International Society on Multiple Criteria Decision Making): https://www.linkedin.com/groups/8471476/. All members of the society, as well as all members of the EWG-MCDA, are welcome to request to join the group. Please, note that there is another LinkedIn group with a similar name (International Society on Multiple Criteria Decision Making (MCDM)) which is not managed by any member of our society.

I remain available for any further assistance.

Best regards,
Salvatore Corrente

Special Issues

Annals of Operations Research

Special Issue on "Collaborative Intelligence in Operations Research: Models, Methods, and Applications"

Submission deadline: May 31, 2026

Special Issue Editors:

Madjid Tavana, La Salle University, Philadelphia, USA

Olga Battaïa, MBS School of Business, France

Yasser Dessouky, San Jose State University, USA

Masood Fathi, University of Skövde, Sweden

Reza Zanjirani Farahani, Paris School of Business, France

More details can be found here!

Annals of Operations Research

Special Issue on "Multiple Objective Programming and Goal Programming: Artificial Intelligence for Decision Making in Economic and Social Sciences"

Submission deadline: June 30, 2027

Special Issue Editors:

Davide La Torre, SKEMA Business School, Université Côte d'Azur, Sophia Antipolis, France

Matteo Rocca, Insubria University, Varese, Italy

Constantin Zopounidis, Technical University of Crete, Greece

More details can be found here!

Annals of Operations Research

Special Issue on "Multiple Objective Programming and Goal Programming: Sustainability and Beyond"

Submission deadline: May 15, 2025

Special Issue Editors:

Ayhan Özgür Toy, Yaşar University, Türkiye

Levent Kandiller, Yaşar University,

Hatem Masri, University of Bahrain, Kingdom of Bahrain

More details can be found here!

Annals of Operations Research

Special Issue on "Operations Research and Artificial Intelligence in Banking and Finance"

Submission deadline: November 30, 2025

Special Issue Editors:

Michalis Doumpos, Technical University of Crete, Greece

Fotios Pasiouras, MBS School of Business, France

Menelaos Tasiou, University of Surrey, UK

Constantin Zopounidis, Technical University of Crete, Greece

More details can be found here!

International Journal of Production Economics

Special Issue on "Sustainable operations and supply chain management for climate change mitigation and net-zero emissions"
Submission deadline: September 30, 2025

Special Issue Editors:

Kannan Govindan, Centre for Sustainable Operations and Resilient Supply Chains (CSORSC), Adelaide Business School (ABS) & Institute for Sustainability, Energy and Resources (ISER) University of Adelaide, Adelaide

Qinghua Zhu, Antai College of Economics & Management, Shanghai Jiao Tong University

More details can be found here!

Journal of Multicriteria Decision Analysis

Special Issue on "Multi-objective Programming"
Submission deadline: September 30, 2025

Special Issue Editors:

Lavinia Amorosi, Sapienza Università di Roma, Italy

Sophie N. Parragh, Johannes Kepler University Linz, Austria

Michael Stiglmayr, University of Wuppertal, Germany

More details can be found here!

Recent contributions in brief

I. Azzini, G. Munda (2025). Sensitivity and Robustness Analyses in Social Multi-Criteria Evaluation of Public Policies. Journal of Multi-Criteria Decision Analysis, 32(1), 1-19. DOI: 10.1002/mcda.70006.

The Decision Analysis Lab at the Joint Research Centre (European Commission) mainly focuses on innovative decision and policy frameworks and tools useful throughout the policy cycle: link. In policy arenas, the major virtue of Multiple Criteria Decision Analysis (MCDA) is the possibility of dealing with a plurality of multidimensional features both at technical and social levels. However, in this process there is always the danger of oversimplifying complex issues by creating false certainties. MCDA outputs may seem a precise result, while they are not, frequently. In this research, we developed various improvements of the state of the art, in particular with reference to Social Multi-Criteria Evaluation (SMCE), which has been explicitly developed for public policies. From the theoretical point of view, local and global sensitivity analyses are considered as complementary, while habitually they are considered as separate analyses; this is particularly relevant for criterion weights, which are one of the most sensitive input parameters in real-world applications. Algorithmically, our approach allows to perform exhaustive sensitivity and robustness analyses in the context of the Kemeny median ranking aggregation rule by solving its computational time issue. From an empirical point of view, we propose an approach, based on frequency matrices, to make output uncertainty transparent and easy to communicate; this helps improving the policy learning process, too. Finally, we present an illustrative example, where we summarise the whole approach and put emphasis on the role of sensitivity analysis as a tool for better understanding the decision model and explore its informative content.

Contact: Giuseppe Munda
giuseppe.munda@ec.europa.eu

N. Belacel (2025). A Closest Resemblance Classifier with Feature Interval Learning and Outranking Measures for Improved Performance. Algorithms, 18(1), 7. DOI: 10.3390/a18010007.

Many existing classifiers rely on complex learning mechanisms. These mechanisms combine or transform data features, which can lead to overfitting, high computational costs, and a lack of interpretability, often referred to as the 'black box' effect. Additionally, these models struggle to handle noisy or missing data. To address these limitations, this paper introduces a novel classification approach the Closest Resemblance classifier (CR) that merges feature interval learning (FIL) with outranking measures to create nested generalized exemplar classifiers. By leveraging feature projections of training samples and outranking measures, our method offers a robust, interpretable, and effective solution for classification tasks. FIL partitions the feature space into intervals, associating each interval with a specific class. This approach offers enhanced robustness to noise and variability in the data. Outranking, rooted in preference learning, provides a mechanism for comparing alternatives based on their feature values, further improving the classifier's ability to handle uncertainty and noise. The results demonstrate that the CR classifier offers a promising approach for supervised classification tasks. By combining the strengths of FIL and outranking measures, the CR classifier is able to effectively handle noisy and imbalanced data, while also producing highly interpretable models. These findings have several significant implications for the field of machine learning:

1. Advancement of interpretable machine learning: The CR classifier's ability to provide clear explanations for its predictions contributes to the growing demand for transparent and accountable AI systems. This is particularly important in domains where understanding the decision-making process is crucial, such as healthcare, finance, and legal applications.
2. Improved performance on challenging datasets: The CR classifier's robustness to noise and imbalance makes it well suited for real-world datasets that often contain imperfections. This could lead to more reliable and accurate predictions in a variety of domains.
3. Potential for new applications: The interpretability and effectiveness of the CR classifier could enable its application in areas where traditional machine learning methods have fallen short. For example, it may be useful for analyzing complex medical data or for developing personalized recommendation systems.

The datasets and Python codes of CR classifier with other algorithms used in our comparative study are available on GitHub at: https://github.com/nbelacel/Closest-Resemblance.

Contact: Nabil Belacel
Nabil.belacel@nrc.gc.ca

G. Larraga, K. Miettinen (2025). Survey of interactive evolutionary decomposition-based multiobjective optimization methods. Evolutionary Computation, 1-39. DOI: 10.1162/evco_a_00366

Interactive multiobjective optimization methods aim to support decision makers in identifying the most preferred solutions to problems with multiple conflicting objective functions. These methods enable decision makers to express their preferences iteratively to find solutions of interest, allowing them to learn about the trade-offs in the problem as well as the feasibility of the preferences.

Among these methods, interactive multiobjective evolutionary methods are widely recognized in literature. They evolve a set of potential solutions utilizing evolutionary operators, such as selection, crossover, and mutation, with the goal of converging

toward a set of solutions that aligns closely with the preferences of the decision-maker.

Within this category, interactive decomposition-based evolutionary methods have attracted significant attention due to their effectiveness in tackling optimization problems involving many objectives. These methods decompose multiobjective optimization problems into smaller, more manageable subproblems, solving them collaboratively to generate a diverse range of solutions.

However, despite their potential, many decomposition-based evolutionary methods fall short in addressing the practical challenges faced by real-world decision makers. A significant limitation is that most existing methods are primarily evaluated on benchmark problems, rather than with real decision makers. As a result, critical issues, such as excessive cognitive load, lack of flexibility for preference elicitation, and inadequate support for final solution selection, are often overlooked, limiting the applicability of decomposition-based evolutionary methods in real-world contexts.

Our survey provides a comprehensive review of interactive decomposition-based evolutionary methods, proposing improvements in their structure to meet the desirable properties of an effective interactive solution process. These properties include minimizing cognitive burden, offering different ways of expressing preferences, and incorporating intuitive visualization tools to enhance decision-making.

Additionally, we outline key directions for future research. For instance, the development of graphical user interfaces to streamline communication between decision-makers and optimization methods, as well as the creation of performance indicators to facilitate the comparison and evaluation of different interactive methods. Our work offers valuable insights to improve the practical applicability of interactive decomposition-based evolutionary methods, making them more suitable for solving real-world problems.

Contact: Giovanni Misitano
giovanni.a.misitano@jyu.fi

J. Pajasmaa, K. Miettinen, J. Silvennoinen (2025). Group Decision Making in Multiobjective Optimization: A Systematic Literature Review. Group Decision and Negotiation, 34, 329-371. DOI: 10.1007/s10726-024-09915-8

Many real-world problems involve multiple conflicting objective functions and several decision makers with conflicting preferences. However, the literature on multiobjective optimization has mainly focused on a single decision maker context. Hence, group decision making methods specially designed for multiobjective optimization problems are needed.

We present a systematic literature review on the state-of-the-art of multiobjective optimization methods for group decision making, GDM-MOO for short. The review includes novel classifications and pinpoints key issues to consider when developing the GDM-MOO methods with real-world applicability in mind.

Furthermore, we describe the main approaches of GDM-MOO methods applied in the literature to solve multiobjective optimization problems. This includes, but is not limited to, information on how and when the decision makers provide their preferences, how the preferences are aggregated, and how the group selects the final Pareto optimal solution.

The review highlights that without considering realistic test settings, when developing GDM-MOO methods, many important aspects can be overlooked, such as how the final solution is selected. Furthermore, our work highlights future research directions, such as developing means to effectively test and validate GDM-MOO methods, and the importance of paying attention to the practical applicability of the proposed methods.

Contact: Giovanni Misitano
giovanni.a.misitano@jyu.fi

M.A. Pereira, G. D'Inverno, A.S. Camanho (2024). Learning mobility in European higher education: How has the Union's flagship initiative progressed? Annals of Operations Research. DOI: 10.1007/s10479-024-06195-y

In 2010, the European Commission prioritised the development of a knowledge- and innovation-driven economy as part of its Europe 2020 strategy for smart, sustainable, and inclusive growth. This led to the launch of the 'Youth on the Move' flagship initiative, designed to enhance the international standing of Europe's higher education institutions and improve education and training levels across the Union. Given its significance, assessing the performance of 'Youth on the Move' through composite indicators (CIs) is essential to monitor European countries' progress in fostering an environment conducive to learner mobility. To this end, we apply the CI-building 'Benefit-of-the-Doubt' approach in a robust and conditional framework, accounting for outliers and national human development levels, while leveraging the European Commission's Mobility Scoreboard framework from 2015/2016 to 2022/2023. Additionally, we integrate expert value judgements to develop utility scales and establish weight restrictions using multi-criteria decision analysis, transforming ordinal scales into interval ones based on informed insights into higher education realities. Ultimately, our findings indicate a modest performance improvement while underscoring the need for advancements in 'Recognition of learning outcomes', 'Foreign language preparation', and 'Information and guidance.'

Contact: Miguel Alves Pereira
miguelalvespereira@tecnico.ulisboa.pt

J. Silvennoinen, G.L. Larraga, A.B. Ruiz, F. Ruiz, G. Misitano, K. Miettinen (2025). Icons for Software Implementations of Interactive Multiobjective Optimization Methods: A Semantic Distance Study. Journal of Multi-Criteria Decision Analysis, 32(1) e70010. DOI: 10.1002/mcda.70010

In interactive multiobjective optimization methods, a decision maker provides preferences and explores candidate solutions in an iterative manner. To enable this interaction between an interactive method and a decision maker, user interfaces play a key role. These user interfaces should be easy to use, and as

intuitive as possible, so that a decision maker can focus on finding their most preferred solution.

In our work, we have specifically studied the icons to be used in interfaces for interactive multiobjective optimization methods. The icons represent six functionalities characteristic to interactive methods. These functionalities are Problem, Method, Start, Iterate, Visualization, and Archive. Because no existing icons for these functionalities existed prior to our study, we had to design different icons for each functionality.

We tested the icons designed for each functionality in an empirical study involving human participants. Our goal was to find out the closeness of the icons to their intended functionalities. We focused on semantic distance; a concept that measures how well an icon's visual representation aligns with its intended meaning. Through this study, we aimed to identify which icons were most intuitively understood by the participants.

The study involved two phases: first, we gathered participants' initial impressions of the icons' meanings, and second, we had them rank the icons based on how well they represented each functionality. The results were analyzed both qualitatively and quantitatively. This approach allowed us to determine which icons were most effective in communicating their intended functionalities.

Our findings revealed that certain icons, such as a (jigsaw) puzzle-piece icon for Problem and the play-button icon for Start, were particularly effective in conveying their respective functionalities. However, representing the Method functionality, for instance, proved more challenging, indicating a need for further exploration in this area.

By suggesting a set of icons based on our findings, we aim to contribute to the development of more intuitive and user-friendly interfaces for interactive multiobjective optimization methods. This will not only improve the decision-making process from the perspective of a decision maker but ultimately help make these complex tools more accessible.

Contact: Giovanni Misitano
giovanni.a.misitano@jyu.fi

Articles Harvest

(This section is prepared by River Huang
river.huang@psi.ch)

A R., Kannan D., Pati R.K., Padhi S.S., Bai C., 2025. Policy analysis in agrochemical supply chain: a system dynamics approach. Annals of Operations Research, 344(1), 533-561, 10.1007/s10479-024-06113-2.

Aalto E., Kuosa T., Stucki M., 2025. Generating sets of diverse and plausible scenarios through approximated multivariate normal distributions. European Journal of Operational Research, 320(1), 160-174, 10.1016/j.ejor.2024.08.003.

Abbas M.N., Liston P., Lee B., Qiao Y., 2024. CESDQL: Communicative experience-sharing deep Q-learning for scalability in multi-robot collaboration with sparse reward.
Knowledge-Based Systems, 306, 112714, 10.1016/j.knosys.2024.112714.

Abbasi-Pooya A., Lash M.T., 2024. The third party logistics provider freight management problem: a framework and deep reinforcement learning approach. Annals of Operations Research, 339, 965-1024, 10.1007/s10479-024-05876-y.

Abbaszadehpeivasti H., de Klerk E., Zamani M., 2024. On the Rate of Convergence of the Difference-of-Convex Algorithm (DCA). Journal of Optimization Theory and Applications, 202(1), 475-496, 10.1007/s10957-023-02199-z.

Abdel-Salam M., Alzahrani A.I., Alblehai F., Zitar R.A., Abualigah L., 2024. An improved Genghis Khan optimizer based on enhanced solution quality strategy for global optimization and feature selection problems. Knowledge-Based Systems, 302, 112347, 10.1016/j.knosys.2024.112347.

Abdel-Salam M., Chhabra A., Braik M., Gharehchopogh F.S., Bacanin N., 2025. A Halton enhanced solution-based Human Evolutionary Algorithm for complex optimization and advanced feature selection problems. Knowledge-Based Systems, 311, 113062, 10.1016/j.knosys.2025.113062.

Abdulvahitoğlu A., Vural D., Macit İ., 2024. Selecting facility location of Gendarmerie Search and Rescue (GSR) Units, An analysis of efficiency in disaster response. Computers and Industrial Engineering, 197, 110639, 10.1016/j.cie.2024.110639.

Abumalloh R.A., Nilashi M., Ooi K.B., Wei-Han G., Cham T.-H., Dwivedi Y.K., Hughes L., 2024. The adoption of metaverse in the retail industry and its impact on sustainable competitive advantage: moderating impact of sustainability commitment. Annals of Operations Research, 342(1), 5-46, 10.1007/s10479-023-05608-8.

Adida E., 2024. Indication-Based Pricing for Multi-Indication Drugs. Management Science, 70(11), 7506-7523, 10.1287/mnsc.2022.01721.

Adraoui M., Azmi R., Chenal J., Diop E.B., Abdem S.A.E., Serbouti I., Hlal M., Bounabi M., 2024. A two-phase approach for leak detection and localization in water distribution systems using wavelet decomposition and machine learning. Computers and Industrial Engineering, 197, 110534, 10.1016/j.cie.2024.110534.

Adsanver B., Balcik B., Bélanger V., Rancourt M.-È., 2024. Operations research approaches for improving coordination, cooperation, and collaboration in humanitarian relief chains: A framework and literature review. European Journal of Operational Research, 319(2), 384-398, 10.1016/j.ejor.2023.11.031.

Adsanver B., Coban E., Balcik B., 2025. A predictive multistage postdisaster damage assessment framework for drone routing. International Transactions in Operational Research, 32(2), 626-668, 10.1111/itor.13429.

Afonso G.P., Ferreira D.C., Figueira J.R., 2024. A Network-DEA model to evaluate the impact of quality and access on hospital performance. Annals of Operations Research, 342(3), 2169-2199, 10.1007/s10479-023-05362-x.

Afsar B., Silvennoinen J., Ruiz F., Ruiz A.B., Misitano G., Miettinen K., 2024. An experimental design for comparing interactive methods based on their desirable properties. Annals of Operations Research, 338, 835-856, 10.1007/s10479-024-05941-6.

Afshari H., Gurtu A., Jaber M.Y., 2024. Unlocking the potential of solid waste management with circular economy and Industry 4.0. Computers and Industrial Engineering, 195, 110457, 10.1016/j.cie.2024.110457.

Afsharian M., Ahn H., Bogetoft P., Kamali S., Lopes-Ahn A., 2025. Endogenous system-wide output prices in incentive regulation. European Journal of Operational Research, 320(1), 188-204, 10.1016/j.ejor.2024.05.005.

Aggarwal M., 2024. On fuzzy entropy functions based on human attitude. Journal of the Operational Research Society, 75(8), 1510-1523, 10.1080/01605682.2023.2254802.

Agrawal N., Rabiee M., Jabbari M., 2024. Contextual relationships in Juran's quality principles for business sustainable growth under circular economy perspective: a decision support system approach. Annals of Operations Research, 342(1), 47-77, 10.1007/s10479-023-05737-0.

Ahmad I., Adnan M., ul Amin N., Umer A., Khurshid A., Aurangzeb K., Gulistan M., 2024. Adaptive and Priority-Based Data Aggregation and Scheduling Model for Wireless Sensor Network. Knowledge-Based Systems, 303, 112393, 10.1016/j.knosys.2024.112393.

Ahmadi T., Hesaraki A.F., Mahmoodi A., Marandi A., 2025. Managing customer waiting times in an inventory system using Conditional Value-at-Risk measure. Annals of Operations Research, 344(1), 108538, 10.1007/s10479-024-06221-z.

Ahmeti A., Musliu N., 2025. Hybridizing constraint programming and meta-heuristics for multi-mode resource-constrained multiple projects scheduling Problem. Journal of Heuristics, 31(1), 1-37, 10.1007/s10732-024-09540-3.

Ahn D., 2024. Data-driven resource allocation for multi-target attainment. European Journal of Operational Research, 318(3), 954-965, 10.1016/j.ejor.2024.05.045.

Aïder M., Boulebene S., Hifi M., 2025. An adaptive multi-objective scatter search for solving the dynamic bin packing problem. Journal of Heuristics, 31(1), 1-69, 10.1007/s10732-024-09537-y.

Aishvarya, Das T., Kumar U.D., 2024. Decision support system for policy-making: Quantifying skill and chance in daily fantasy sports. Decision Support Systems, 182, 114237, 10.1016/j.dss.2024.114237.

Akbalik A., Gicquel C., Penz B., Rapine C., 2025. Lot sizing with capacity adjustment using on-site green and grid electricity. Omega (United Kingdom), 133, 103260, 10.1016/j.omega.2024.103260.

Akbarzadeh B., Maenhout B., 2025. A dedicated branch-price-and-cut algorithm for advance patient planning and surgeon scheduling. European Journal of Operational Research, 322(2), 448-466, 10.1016/j.ejor.2024.10.042.

Akhondi-Bajegani E., Jolai F., Torabi S.A., 2024. A new mathematical model for designing and improving the performance of a home health care logistics network. Annals of Operations Research, 340, 1189-1220, 10.1007/s10479-024-06135-w.

Akpan I.J., Kobara Y.M., Owolabi J., Akpan A.A., Offodile O.F., 2025. Conversational and generative artificial intelligence and human–chatbot interaction in education and research. International Transactions in Operational Research, 32(3), 1251-1281, 10.1111/itor.13522.

Alaei S., Razavi Hajiagha S.H., Hosseinzadeh M., 2025. An efficient MILP-based algorithm for the qualitative flexible multi-criteria method under incomplete or conflicting weights. Computers and Operations Research, 176, 106951, 10.1016/j.cor.2024.106951.

Alcaraz J., 2024. Redesigning a NSGA-II metaheuristic for the bi-objective Support Vector Machine with feature selection. Computers and Operations Research, 172, 106821, 10.1016/j.cor.2024.106821.

Alfitian J., Sliwka D., Vogelsang T., 2024. When Bonuses Backfire: Evidence from the Workplace. Management Science, 70(9), 6395-6414, 10.1287/mnsc.2022.00484.

Ali H., Das S., Akhtar F., Akbar Shaikh A., Kumar Bhunia A., 2024. Analysis of reduction of carbon emission and dynamic service policies in a green manufacturing system under isoperimetric fixed servicing budget constraint. Computers and Industrial Engineering, 197, 110529, 10.1016/j.cie.2024.110529.

Ali O., Côté J.-F., Coelho L.C., 2024. A GRASP algorithm for the concrete delivery problem. Computers and Operations Research, 172, 106818, 10.1016/j.cor.2024.106818.

Alikhani R., Ranjbar A., Torabi S.A., Zobel C.W., 2025. Performance evaluation of concurrent supply chain resilience strategies. International Journal of Production Economics, 279, 109446, 10.1016/j.ijpe.2024.109446.

Alipour-Vaezi M., Tsui K.-L., 2024. Data-driven portfolio management for motion pictures industry: A new data-driven optimization methodology using a large language model as the expert. Computers and Industrial Engineering, 197, 110574, 10.1016/j.cie.2024.110574.

Alizadehsani R., Roshanzamir M., Hussain S., Khosravi A., Koohestani A., Zangooei M.H., Abdar M., Beykikhoshk A., Shoeibi A., Zare A., Panahiazar M., Nahavandi S., Srinivasan D., Atiya A.F., Acharya U.R., 2024. Handling of uncertainty in medical data using machine learning and probability theory techniques: a review of 30 years (1991–2020). Annals of Operations Research, 339(3), 1077-1118, 10.1007/s10479-021-04006-2.

Allen S., Terekhov D., Gabriel S.A., 2024. A hybrid inverse optimization-stochastic programming framework for network protection. Journal of the Operational Research Society, 75(7), 1347-1370, 10.1080/01605682.2023.2247008.

Almathkour F., Magnouche Y., Mahjoub A.R., Taktak R., 2025. Design of survivable networks with low connectivity requirements. International Transactions in Operational Research, 32(2), 918-960, 10.1111/itor.13511.

Almeida A.L.B., de Castro Lima J., Carvalho M.A.M., 2025. On serial and parallel evaluation functions for Job Sequencing and Tool Switching problems. Computers and Operations Research, 177, 106969, 10.1016/j.cor.2024.106969.

Almeida M.C., Oliveira L.G., Rotella Junior P., Peruchi R.S., 2024. Multivariate process capability analysis with decision-maker preferences. Computers and Industrial Engineering, 198, 110664, 10.1016/j.cie.2024.110664.

Alonso A.M., Sipols A.E., Santos-Martín M.T., 2024. Energy forecast for a cogeneration system using dynamic factor models. Computers and Industrial Engineering, 197, 110525, 10.1016/j.cie.2024.110525.

Alpar O., Soukup O., Ryska P., Paluska P., Valis M., Krejcar O., 2024. Automated multiple sclerosis progression rate

computation of a patient from 2D FLAIR images with Rayleigh-Weibull-Fuzzy imaging and augmented morphing method. Knowledge-Based Systems, 305, 112580, 10.1016/j.knosys.2024.112580.

Alvarez G., Kröhling D., Martinez E., 2024. A data-driven model for the operation and management of prosumer markets in electric smart grids. Computers and Industrial Engineering, 196, 110492, 10.1016/j.cie.2024.110492.

Álvarez-Miranda E., Epstein R., Pereira J., Sinnl M., Urrutia R., 2025. A multi-criteria districting approach with a lexicographic compactness metric: An application to the Chilean postal service. Computers and Operations Research, 173, 106845, 10.1016/j.cor.2024.106845.

Amenta P., D'Ambra A., Lucadamo A., 2024. Partial cumulative correspondence analysis. Annals of Operations Research, 342(3), 1495-1527, 10.1007/s10479-022-05141-0.

Amici G., Ballotta L., Semeraro P., 2025. Multivariate additive subordination with applications in finance. European Journal of Operational Research, 321(3), 1004-1020, 10.1016/j.ejor.2024.10.010.

Amiri-Aref M., Doostmohammadi M., 2025. Relax-and-Fix and Fix-and-Optimise algorithms to solve an integrated network design problem for closing a supply chain with hybrid retailers/collection centres. Computers and Operations Research, 177, 106981, 10.1016/j.cor.2025.106981.

Amorim P., DeHoratius N., Eng-Larsson F., Martinsa S., 2024. Customer Preferences for Delivery Service Attributes in Attended Home Delivery. Management Science, 70(11), 7559-7578, 10.1287/mnsc.2020.01274.

An S., Song Y., Wang C., Guo G., 2025. A locally distributed rough set model for feature selection and prototype learning. Fuzzy Sets and Systems, 498, 109137, 10.1016/j.fss.2024.109137.

Anh L.Q., Tai V.T., Tam T.N., 2025. Stability Analysis to Parametric Multiobjective Optimal Control Problems. Journal of Optimization Theory and Applications, 204(1), 3, 10.1007/s10957-024-02584-2.

Arian H., Norouzi Mobarekeh D., Seco L., 2024. Backtest overfitting in the machine learning era: A comparison of out-of-sample testing methods in a synthetic controlled environment. Knowledge-Based Systems, 305, 112477, 10.1016/j.knosys.2024.112477.

Ariningsih P.K., Irawan C.A., Paulraj A., Dai J., 2025. A pharmaceutical distribution network considering supply cycles, waste, and inequity. Computers and Operations Research, 176, 106943, 10.1016/j.cor.2024.106943.

Arslan C., Karasakal O., Kırca Ö., 2024. Naval Air Defense Planning problem: A novel formulation and heuristics. Naval Research Logistics, 71(7), 895-919, 10.1002/nav.22186.

Arslan Ö., Cebi S., 2024. A novel approach for multi-criteria decision making: Extending the WASPAS method using decomposed fuzzy sets. Computers and Industrial Engineering, 196, 110461, 10.1016/j.cie.2024.110461.

Artelt A., Gregoriades A., 2024. Supporting organizational decisions on How to improve customer repurchase using multi-instance counterfactual explanations. Decision Support Systems, 182, 114249, 10.1016/j.dss.2024.114249.

Arvanitis S., Post T., 2024. Generalized Stochastic Arbitrage Opportunities. Management Science, 70(7), 4629-4648, 10.1287/mnsc.2023.4892.

Ashraf M., Choudhary P., Jaggi J., 2024. Are Audit Committees Overloaded? Evidence from the Effect of Financial Risk Management Oversight on Financial Reporting Quality. Management Science, 70(12), 8414-8447, 10.1287/mnsc.2022.00360.

Ataburo H., Ampong G.E., Essuman D., 2024. Developing operational resilience to navigate transportation disruptions: the role and boundaries of efficiency priority. Annals of Operations Research, 340, 723-755, 10.1007/s10479-024-06092-4.

Atasu A., Ciocan D.F., Désir A., 2024. Price Delegation with Learning Agents. Management Science, 70(8), 5540-5556, 10.1287/mnsc.2023.4939.

Atefi R., Iori M., Salari M., Vezzali D., 2024. Solution of a practical vehicle routing problem for monitoring water distribution networks. Journal of the Operational Research Society, 75(10), 1989-2007, 10.1080/01605682.2023.2292167.

Aussel D., Egea C., Schmidt M., 2025. A tutorial on solving single-leader-multi-follower problems using SOS1 reformulations. International Transactions in Operational Research, 32(3), 1227-1250, 10.1111/itor.13466.

Azadi M., Toloo M., Ramezani F., Saen R.F., Hussain F.K., Farnoudkia H., 2024. Evaluating efficiency of cloud service providers in era of digital technologies. Annals of Operations Research, 342(2), 1049-1078, 10.1007/s10479-023-05257-x.

Aziz H., Freeman R., Shah N., Vaish R., 2024. Best of Both Worlds: Ex Ante and Ex Post Fairness in Resource Allocation. Operations Research, 72(4), 1674-1688, 10.1287/opre.2022.2432.

Baak W., Goerigk M., Kasperski A., Zieliński P., 2025. Robust min-max (regret) optimization using ordered weighted averaging. European Journal of Operational Research, 322(1), 171-181, 10.1016/j.ejor.2024.10.028.

Babaei A., Khedmati M., Akbari Jokar M.R., Tirkolaee E.B., 2025. Product tracing or component tracing? Blockchain adoption in a two-echelon supply chain management. Computers and Industrial Engineering, 200, 110789, 10.1016/j.cie.2024.110789.

Babonneau F., Gilbert D., Piller O., Vial J.P., 2024. Robust optimal design of a tree-based water distribution network with intermittent demand. European Journal of Operational Research, 319(3), 834-844, 10.1016/j.ejor.2024.07.020.

Badakhshan E., Mustafee N., Bahadori R., 2024. Application of simulation and machine learning in supply chain management: A synthesis of the literature using the Sim-ML literature classification framework. Computers and Industrial Engineering, 198, 110649, 10.1016/j.cie.2024.110649.

Badri H., Bahreini T., Grosu D., 2024. Parallel shifting bottleneck algorithms for non-permutation flow shop scheduling. Annals of Operations Research, 343(1), 39-65, 10.1007/s10479-024-06329-2.

Bahamondes B., Dahan M., 2024. Hide-and-Seek Game with Capacitated Locations and Imperfect Detection. Decision Analysis, 21(2), 110-124, 10.1287/deca.2023.0012.

Bai L., Qu X., Wang X., Zhang L., Yang J., 2024. Project portfolio selection with relationship considerations: A random walk with restart based on influencing factors. Computers and Industrial Engineering, 198, 110718, 10.1016/j.cie.2024.110718.

Bai Q., Yuan Y., Fu X., Zhou Z., 2024. Vehicle routing Problem for cold chain logistics based on data fusion technology to predict travel time. Operational Research, 24(4), 55, 10.1007/s12351-024-00851-8.

Bai T., Feng G., Wu M., Zhu S.X., 2025. A newsvendor model with multiple reference points: Target-setting for aspirational newsvendors. European Journal of Operational Research, 320(3), 655-669, 10.1016/j.ejor.2024.09.015.

Bai Y., Feldman J., Segev D., Topaloglu H., Wagner L., 2024. Assortment Optimization Under the Multi-Purchase Multinomial Logit Choice Model. Operations Research, 72(6), 2631-2664, 10.1287/opre.2023.2463.

Bai Y., Huang Z., Lam H., Zhao D., 2024. Overconservativeness of Variance-Based Efficiency Criteria and Probabilistic Efficiency in Rare-Event Simulation. Management Science, 70(10), 6852-6873, 10.1287/mnsc.2023.4973.

Balster I., Caetano J.A., Ribeiro G.M., Bahiense L., 2025. Optimizing the Transport of Organs for Transplantation. Computers and Operations Research, 176, 106934, 10.1016/j.cor.2024.106934.

Bao Z., Li X., Shan Y., Wang X., Mehran K., Lam H.K., 2025. Relaxed positivity, η-exponential stabilization and l1-gain performance of polynomial discrete-time fuzzy system with time-delay and external disturbance. Fuzzy Sets and Systems, 502, 109221, 10.1016/j.fss.2024.109221.

Barbati M., Greco S., Lami I.M., 2024. The Deck-of-cards-based Ordinal Regression method and its application for the development of an ecovillage. European Journal of Operational Research, 319(3), 845-861, 10.1016/j.ejor.2024.07.010.

Barcellos-Paula L., Merigó J.M., Gil-Lafuente A.M., 2024. 100 volumes of Mathematical Methods of Operations Research: a bibliometric overview. Mathematical Methods of Operations Research, 100(3), 753-796, 10.1007/s00186-024-00883-y.

Barde S., 2024. Efficient opportunistic maintenance strategies via pruning in parallel–series systems with economic dependence. Computers and Industrial Engineering, 196, 110451, 10.1016/j.cie.2024.110451.

Bar-Gill S., Brynjolfsson E., Hak N., 2024. Helping Small Businesses Become More Data-Driven: A Field Experiment on eBay. Management Science, 70(11), 7345-7372, 10.1287/mnsc.2021.02026.

Bartlett D.J., Desmond H., Ferreira P.G., 2024. Exhaustive Symbolic Regression. IEEE Transactions on Evolutionary Computation, 28(4), 950-964, 10.1109/TEVC.2023.3280250.

Baucells M., Bodily S.E., 2024. The Discount Rate for Investment Analysis Applying Expected Utility. Decision Analysis, 21(2), 125-141, 10.1287/deca.2022.0059.

Bauß J., Stiglmayr M., 2024. Augmenting bi-objective branch and bound by scalarization-based information. Mathematical Methods of Operations Research, 100(1), 85-121, 10.1007/s00186-024-00854-3.

Bayat M., Hooshmand F., MirHassani S.A., 2024. Scenario-based stochastic model and efficient cross-entropy algorithm for the risk-budgeting problem. Annals of Operations Research, 341, 731-755, 10.1007/s10479-024-06227-7.

Baykasoğlu A., Subulan K., Karaman İ., 2024. A matheuristic-based solution approach for integrated stock selection and sizing problem with a case study in a corrugated box-production company. Computers and Industrial Engineering, 195, 110429, 10.1016/j.cie.2024.110429.

Bazgan C., Herzel A., Ruzika S., Thielen C., Vanderpooten D., 2024. Approximating multiobjective optimization problems: How exact can you be?. Mathematical Methods of Operations Research, 100(1), 5-25, 10.1007/s00186-023-00836-x.

Becker T., Neufeld J., Buscher U., 2025. The distributed flow shop scheduling problem with inter-factory transportation. European Journal of Operational Research, 322(1), 39-55, 10.1016/j.ejor.2024.10.026.

Bednay D., Fleiner B., Tasnádi A., 2025. An indifference result for social choice rules in large societies. European Journal of Operational Research, 321(1), 208-213, 10.1016/j.ejor.2024.09.018.

Behera J., Kumar P., 2024. Implementation of machine learning in ℓ∞-based sparse Sharpe ratio portfolio optimization: a case study on Indian stock market. Operational Research, 24(4), 62, 10.1007/s12351-024-00867-0.

Bekos G.S., Chari S., Marikyan D., Papagiannidis S., 2025. Metaverse adoption for competitive edge: The role of implementation capability & willingness to change. Decision Support Systems, 189, 114385, 10.1016/j.dss.2024.114385.

Belahcène K., Mousseau V., Ouerdane W., Pirlot M., Sobrie O., 2024. A guided tour of multiple criteria sorting models and methods. Annals of Operations Research, 343(2), 115368, 10.1007/s10479-024-06278-w.

Bendoly E., Chandrasekaran A., Lima M.D.R.F., Handfield R., Khajavi S.H., Roscoe S., 2024. The role of generative design and additive manufacturing capabilities in developing human–AI symbiosis: Evidence from multiple case studies. Decision Sciences, 55(4), 325-345, 10.1111/deci.12619.

Benvenuti L., Santis A.D., Santis M.D., Patria D., 2024. Designing sustainable diet plans by solving triobjective integer programs. Mathematical Methods of Operations Research, 100(3), 105396, 10.1007/s00186-024-00879-8.

Berahas A.S., Bollapragada R., Gupta S., 2024. Balancing Communication and Computation in Gradient Tracking Algorithms for Decentralized Optimization. Journal of Optimization Theory and Applications, 203(3), 2954-2987, 10.1007/s10957-024-02554-8.

Berenguer G., Haskell W.B., Li L., 2024. Managing Volunteers and Paid Workers in a Nonprofit Operation. Management Science, 70(8), 5298-5316, 10.1287/mnsc.2023.4923.

Bertsimas D., Kim C.W., 2024. A machine learning approach to two-stage adaptive robust optimization. European Journal of Operational Research, 319(1), 16-30, 10.1016/j.ejor.2024.06.012.

Bezzi D., Corsini A., Dell'Amico M., 2025. Lower and upper bounds for scheduling a real-life assembly problem with precedences and resource constraints. Computers and Operations Research, 173, 106854, 10.1016/j.cor.2024.106854.

Bi Y., Liang J., Xue B., Zhang M., 2024. A Genetic Programming Approach with Building Block Evolving and Reusing to Image Classification. IEEE Transactions on Evolutionary Computation, 28(5), 1366-1380, 10.1109/TEVC.2023.3284712.

Bierbüße J., Mönch L., Biele A., 2025. Heuristic approaches for a multi-mode resource availability cost problem in aircraft manufacturing. Computers and Operations Research, 176, 106888, 10.1016/j.cor.2024.106888.

Bilir C., 2025. Effect of demand uncertainty on omnichannel distribution network design strategies. International Transactions in Operational Research, 32(1), 438-477, 10.1111/itor.13310.

Bilsel M., Kilic H.S., Kalender Z.T., Tuzkaya G., 2024. Multi-objective model for electric vehicle charging station location selection problem for a sustainable transportation infrastructure. Computers and Industrial Engineering, 198, 110695, 10.1016/j.cie.2024.110695.

Birge J.R., Chen H., Keskin N.B., Ward A., 2024. To Interfere or Not To Interfere: Information Revelation and Price-Setting Incentives in a Multiagent Learning Environment. Operations Research, 72(6), 2391-2412, 10.1287/opre.2023.0363.

Black P.W., Kirwan C.B., Meservy T.O., Tayler W.B., Williams J., 2024. An fMRI Investigation of the Neurocognitive Processing of Measures and Strategic Objectives. Management Science, 70(10), 6740-6760, 10.1287/mnsc.2022.01405.

Bock S., Boysen N., 2025. Due date-oriented picker routing, an efficient exact solution algorithm, and its application to pick-from-store omnichannel retailing. European Journal of Operational Research, 321(3), 775-788, 10.1016/j.ejor.2024.10.015.

Boczek M., Józefiak T., Kaluszka M., Okolewski A., 2025. The Choquet-like operator with respect to an admissible order as a tool for aggregating multivalued data. Fuzzy Sets and Systems, 500, 109197, 10.1016/j.fss.2024.109197.

Bogetoft P., Kerstens P.J., 2024. Distinguishing Useful and Wasteful Slack. Operations Research, 72(4), 1556-1573, 10.1287/opre.2022.2415.

Boix-Cots D., Ishizaka A., Moheimani A., Pujadas P., 2024. A new multi-method decision framework for anchor selection and tenant mix allocation optimisation in shopping malls. Omega (United Kingdom), 129, 103153, 10.1016/j.omega.2024.103153.

Bökler F., Jasper H., 2024. Complexity of the multiobjective minimum weight minimum stretch spanner problem. Mathematical Methods of Operations Research, 100(1), 65-83, 10.1007/s00186-024-00850-7.

Bökler F., Parragh S.N., Sinnl M., Tricoire F., 2024. An outer approximation algorithm for generating the Edgeworth–Pareto hull of multi-objective mixed-integer linear programming problems. Mathematical Methods of Operations Research, 100(1), 263-290, 10.1007/s00186-023-00847-8.

Bomze I.M., Rinaldi F., Zeffiro D., 2024. Frank–Wolfe and friends: a journey into projection-free first-order optimization methods. Annals of Operations Research, 343(2), 607-638, 10.1007/s10479-024-06251-7.

Bongo M.F., Sy C.L., 2024. Can diverse and conflicting interests of multiple stakeholders be balanced?. Annals of Operations Research, 339(3), 1813-1837, 10.1007/s10479-023-05253-1.

Bonomi V., Manerba D., Mansini R., Zanotti R., 2025. Optimizing Attended Home Delivery: Multiple recovery options and customer availability profiles to face synchronization failures. International Journal of Production Economics, 279, 109463, 10.1016/j.ijpe.2024.109463.

Borreguero Sanchidrián T., Portoleau T., Artigues C., García Sánchez A., Ortega Mier M., Lopez P., 2024. Large neighborhood search for an aeronautical assembly line time-constrained scheduling problem with multiple modes and a resource leveling objective. Annals of Operations Research, 338(1), 13-40, 10.1007/s10479-023-05629-3.

Boschetti M.A., Maniezzo V., 2024. Contemporary approaches in matheuristics an updated survey. Annals of Operations Research, 343(2), 104941, 10.1007/s10479-024-06302-z.

Bouraima M.B., Tengecha N.A., Stević Ž., Simić V., Qiu Y., 2024. An integrated fuzzy MCDM model for prioritizing strategies for successful implementation and operation of the bus rapid transit system. Annals of Operations Research, 342(1), 141-172, 10.1007/s10479-023-05183-y.

Bovim T.R., Gullhav A.N., Andersson H., Riise A., 2025. A framework for integrated resource planning in surgical clinics. European Journal of Operational Research, 320(2), 433-447, 10.1016/j.ejor.2024.08.021.

Boyer V., Cervantes–Mendieta E., Hernández-López O.A., Salazar–Aguilar M.A., 2025. The Dial-a-Tour Problem. Computers and Operations Research, 173, 106832, 10.1016/j.cor.2024.106832.

Božić D., Hunjak D., Domitrović A., Grigoroudis E., 2024. Multicriteria satisfaction analysis to analyse passenger perceptions of air travel service quality in Croatia. Journal of the Operational Research Society, 75(11), 2267-2281, 10.1080/01605682.2024.2311323.

Breznik K., Restaino M., Vitale M.P., Ragozini G., 2024. Analyzing countries' performances within the international student mobility program over time. Annals of Operations Research, 342(3), 1925-1943, 10.1007/s10479-023-05436-w.

Brho M., Jazairy A., Glassburner A.V., 2025. The finance of cybersecurity: Quantitative modeling of investment decisions and net present value. International Journal of Production Economics, 279, 109448, 10.1016/j.ijpe.2024.109448.

Brochet F., Chychyla R., Ferri F., 2024. Virtual Shareholder Meetings. Management Science, 70(9), 5896-5930, 10.1287/mnsc.2023.4946.

Broekaert J.B., Hafiz F., Jayaraman R., La Torre D., 2025. Managing resilience and viability of supranational supply chains under epidemic control scenarios. Omega (United Kingdom), 133, 103234, 10.1016/j.omega.2024.103234.

Brusset X., Jebali A., La Torre D., Liuzzi D., 2025. Production optimization in the time of pandemic: an SIS-based optimal control model with protection effort and cost minimization. Annals of Operations Research, 344(1), 79-102, 10.1007/s10479-023-05206-8.

Bui A.T., 2024. Root cause analysis of manufacturing variation from optical scanning data. Annals of Operations Research, 339, 111-130, 10.1007/s10479-022-05077-5.

Bùi M.N., Combettes P.L., 2024. Integral Resolvent and Proximal Mixtures. Journal of Optimization Theory and Applications, 203(3), 2328-2353, 10.1007/s10957-024-02466-7.

Burdett R.L., Corry P., Yarlagadda P., Cook D., Birgan S., 2024. Multicriteria optimization techniques for understanding the case mix landscape of a hospital. European Journal of

Operational Research, 319(1), 263-291, 10.1016/j.ejor.2024.05.030.

Bustos-Coral D., Costa A.M., 2025. Adaptive large neighborhood search for drayage routing problems involving longer combination vehicles. Computers and Operations Research, 173, 106826, 10.1016/j.cor.2024.106826.

Büyüközkan K., Yılmaz B.G., Özçelik G., Yılmaz Ö.F., 2025. An optimization model and customized solution approaches for in-plant logistic problem within the context of lean management. Computers and Industrial Engineering, 200, 110832, 10.1016/j.cie.2024.110832.

Cai L., Li J., Wang K., Luo Z., Qin H., 2025. Optimal allocation and route design for station-based drone inspection of large-scale facilities. Omega (United Kingdom), 130, 103172, 10.1016/j.omega.2024.103172.

Cai Y., He Y., Shi R., Liao R., Cao H., Guo H., Lu H., 2024. Resilience-oriented adaptive predictive maintenance optimization for continuous process manufacturing systems considering mission profile variation. Computers and Industrial Engineering, 197, 110532, 10.1016/j.cie.2024.110532.

Cailhier A., Abi-Zeid I., Lavoie R., Marleau-Donais F., Cerutti J., 2025. Where to plan shared streets: Development and application of a multicriteria spatial decision support tool. European Journal of Operational Research, 322(2), 665-678, 10.1016/j.ejor.2024.11.012.

Campos J.P.A.F., Machado I.G., Bessani M., 2025. Multi-Agent Genetic Algorithm for Bayesian networks structural learning. Knowledge-Based Systems, 310, 113025, 10.1016/j.knosys.2025.113025.

Cao F., Servranckx T., Vanhoucke M., He Z., 2025. A comparison of different clustering algorithms for the project time buffering problem. Computers and Industrial Engineering, 199, 110752, 10.1016/j.cie.2024.110752.

Cao P., Zhong Z., 2025. Asymptotically optimal routing of a many-server parallel queueing system with long-run average criterion. European Journal of Operational Research, 321(2), 462-475, 10.1016/j.ejor.2024.09.044.

Cao Y., Cao Y., 2024. Event-triggered synchronization for delayed reaction–diffusion neural networks under hybrid deception attacks. Knowledge-Based Systems, 301, 112304, 10.1016/j.knosys.2024.112304.

Cappanera P., Matta A., Scutellà M.G., Singuaroli M., 2024. Augmented patterns for decomposition of scheduling and assignment problems. European Journal of Operational Research, 319(2), 517-530, 10.1016/j.ejor.2024.06.004.

Cappanera P., Visintin F., Vannelli S., 2025. Home-based care and center-based care: From being alternatives to being synergistic. Optimization models to support flexible care delivery. Omega (United Kingdom), 131, 103184, 10.1016/j.omega.2024.103184.

Carmen Angelina G.-C., Rosales Manuel H., la Mota Idalia F.-D., 2024. Pilot simulation for public passenger transport energy consumption. Computers and Industrial Engineering, 197, 110535, 10.1016/j.cie.2024.110535.

Carpitella S., Kratochvíl V., Pištěk M., 2024. Multi-criteria decision making beyond consistency: An alternative to AHP for real-world industrial problems. Computers and Industrial Engineering, 198, 110661, 10.1016/j.cie.2024.110661.

Carrizosa E., Ramírez-Ayerbe J., Romero Morales D., 2024. Mathematical optimization modelling for group counterfactual explanations. European Journal of Operational Research, 319(2), 399-412, 10.1016/j.ejor.2024.01.002.

Carvalho M., Dragotto G., Feijoo F., Lodi A., Sankaranarayanan S., 2024. When Nash Meets Stackelberg. Management Science, 70(10), 7308-7324, 10.1287/mnsc.2022.03418.

Castiglione A., Cimmino L., Di Nardo M., Murino T., 2024. Optimising production efficiency: Managing flexibility in Industry 4.0 systems via simulation. Computers and Industrial Engineering, 197, 110540, 10.1016/j.cie.2024.110540.

Castillo I., Pintér J.D., Kampas F.J., 2024. The boundary-to-boundary p-dispersion configuration problem with oval objects. Journal of the Operational Research Society, 75(12), 2327-2337, 10.1080/01605682.2024.2312255.

Cavallo B., Fattoruso G., Ishizaka A., 2024. A new SMAA-based methodology for incomplete pairwise comparison matrices: evaluating production errors in the automotive sector. Journal of the Operational Research Society, 75(8), 1535-1568, 10.1080/01605682.2023.2259935.

Cavallo B., Ishizaka A., 2025. A comparative study on precision of direct evaluations, the Pairwise Comparisons Method and the Best-Worst Method. Omega (United Kingdom), 130, 103175, 10.1016/j.omega.2024.103175.

Celik A., Dogan O., 2024. Optimization of travel requests with process simulation analysis. Computers and Industrial Engineering, 196, 110487, 10.1016/j.cie.2024.110487.

Chae B.K., Sheu C., Park E.O., 2024. The value of data, machine learning, and deep learning in restaurant demand forecasting: Insights and lessons learned from a large restaurant chain. Decision Support Systems, 184, 114291, 10.1016/j.dss.2024.114291.

Chaigneau C., Bostel N., Grimault A., 2025. A Large Neighborhood Search-based approach to tackle the very large scale Team Orienteering Problem in industrial context. Computers and Operations Research, 176, 106954, 10.1016/j.cor.2024.106954.

Chakrabarty N., Sullivan K.M., Lopes da Silva D.B., 2024. Time-based redeployment of multi-class nodes for reliable wireless sensor network coverage. Computers and Industrial Engineering, 197, 110549, 10.1016/j.cie.2024.110549.

Chakraborty S., Pradhan B., 2024. On cumulative residual extropy of coherent and mixed systems. Annals of Operations Research, 340(1), 59-81, 10.1007/s10479-023-05727-2.

Chambers R.G., 2024. Numeraire choice, shadow profit, and inefficiency measurement. European Journal of Operational Research, 319(2), 658-668, 10.1016/j.ejor.2024.06.041.

Chang D., Wang L., Xiang Y., Zhu X., Lee C.-H., 2025. Exploring human perception in interactive digital advertising: A Genetic-Kansei engineering approach with human-AI collaboration. Knowledge-Based Systems, 311, 113072, 10.1016/j.knosys.2025.113072.

Chang J.-P., Ren H.-X., Martínez L., Pedrycz W., Chen Z.-S., 2024. Requirement-driven supplier selection: a multi-criteria QFD-based approach under epistemic and stochastic uncertainties. Annals of Operations Research, 342(2), 1079-1128, 10.1007/s10479-024-06131-0.

Chang K.-H., Chen Y.-J., Liao C.-C., 2024. A novel improved FMEA method using data envelopment analysis method and

2-tuple fuzzy linguistic model. Annals of Operations Research, 341(1), 485-507, 10.1007/s10479-024-05998-3.

Chang K.-H., Lin C.-P., 2024. An efficient simulation optimization method for the redundancy allocation problem with a chance constraint. Journal of the Operational Research Society, 75(9), 1711-1725, 10.1080/01605682.2023.2272860.

Chang S., Fujita K., 2024. COMB: Scalable Concession-Driven Opponent Models Using Bayesian Learning for Preference Learning in Bilateral Multi-Issue Automated Negotiation. Group Decision and Negotiation, 33(5), 1143-1190, 10.1007/s10726-024-09889-7.

Chang W., Fu C., 2024. A multi-criteria group decision-making method with fuzzy preference relations based on filtration-and-weighting-based triangular bounded consistency. Journal of the Operational Research Society, 75(8), 1611-1623, 10.1080/01605682.2023.2266449.

Chang X., Zhou M., Wang X., Yang Y., Yang P., 2024. Informative relationship multi-task learning: Exploring pairwise contribution across tasks' sharing knowledge. Knowledge-Based Systems, 301, 112187, 10.1016/j.knosys.2024.112187.

Charati M.K., Gholian-Jouybari F., Hajiaghaei-Keshteli M., Paydar M.M., Sadeghi F., 2024. Designing a sustainable dental tourism supply chain considering waste treatment. Annals of Operations Research, 342(1), 173-214, 10.1007/s10479-023-05779-4.

Chatterjee S., Aprahamian H., 2025. Capturing the dilution effect of risk-based grouping with application to COVID-19 screening. Naval Research Logistics, 72(1), 24-44, 10.1002/nav.22205.

Chatterjee S., Chaudhuri R., Vrontis D., Papadopoulos T., 2024. Examining the impact of deep learning technology capability on manufacturing firms: moderating roles of technology turbulence and top management support. Annals of Operations Research, 339, 163-183, 10.1007/s10479-021-04505-2.

Chatterjee S., Saha D., 2024. Software dependability analysis under neutrosophic environment using optimized Elman recurrent neural network-based classification algorithm and Mahalanobis distance-based ranking algorithm. Annals of Operations Research, 340(1), 83-115, 10.1007/s10479-024-05888-8.

Chauhan D., Trivedi A., Yadav A., 2024. U-AEFA: Online and offline learning-based unified artificial electric field algorithm for real parameter optimization. Knowledge-Based Systems, 305, 112636, 10.1016/j.knosys.2024.112636.

Chawla S., Devanur N., Lykouris T., 2024. Static Pricing for Multi-unit Prophet Inequalities. Operations Research, 72(4), 1388-1399, 10.1287/opre.2023.0031.

Che Q.-H., Nguyen L.-C., Luu D.-T., Nguyen V.-T., 2025. Enhancing person re-identification via Uncertainty Feature Fusion Method and Auto-weighted Measure Combination. Knowledge-Based Systems, 307, 112737, 10.1016/j.knosys.2024.112737.

Chen B., Ren X., Bai S., Chen Z., Zheng Q., Zhu J., 2024. Multi-view representation learning with dual-label collaborative guidance. Knowledge-Based Systems, 305, 112680, 10.1016/j.knosys.2024.112680.

Chen G., Guo Y., Wang Y., Liang J., Gong D., Yang S., 2024. Evolutionary Dynamic Constrained Multiobjective Optimization: Test Suite and Algorithm. IEEE Transactions on Evolutionary Computation, 28(5), 1381-1395, 10.1109/TEVC.2023.3313689.

Chen G., Zhang J., Cui W., Hu J., Peng Y., 2024. Real-time service task scheduling with fine-grained resource utilization to benefit important industrial business. Computers and Industrial Engineering, 196, 110523, 10.1016/j.cie.2024.110523.

Chen H., Chen L., Zhang G., 2024. FPT algorithms for a special block-structured integer program with applications in scheduling. Mathematical Programming, 208, 463-496, 10.1007/s10107-023-02046-z.

Chen J., Bai Y., Yu G., Ou X., Qin X., 2025. A PRP Type Conjugate Gradient Method Without Truncation for Nonconvex Vector Optimization. Journal of Optimization Theory and Applications, 204(1), 13, 10.1007/s10957-024-02571-7.

Chen J., Wang F., Chen Y., He L., Du Y., Wu J., Chen Y., 2025. A generalized bilevel optimization model for large-scale task scheduling in multiple agile earth observation satellites. Knowledge-Based Systems, 309, 112809, 10.1016/j.knosys.2024.112809.

Chen J., Ye J., Liu A., Fei Y., Wan Z., Huang X., 2024. Robust optimization of liner shipping alliance fleet scheduling with consideration of sulfur emission restrictions and slot exchange. Annals of Operations Research, 343(3), 1013-1043, 10.1007/s10479-022-04590-x.

Chen J., Zhou H., Xue Q., Xie N., Sang Y.-W., 2025. Integrated problem of car sequencing and vehicle routing on an automotive mixed-model assembly line. Computers and Industrial Engineering, 199, 110710, 10.1016/j.cie.2024.110710.

Chen K., Tan J., Zhu C., Liu G., Chen C., 2024. A generalized TODIM approach based on information measurement and consensus building model in probabilistic hesitant fuzzy environment. Computers and Industrial Engineering, 198, 110687, 10.1016/j.cie.2024.110687.

Chen K.-S., Yu C.-M., 2024. Developing a novel fuzzy testing model for capability index with asymmetric tolerances. Annals of Operations Research, 340(1), 149-162, 10.1007/s10479-024-05948-z.

Chen K.-S., Yu C.-M., 2024. Confidence-interval-based fuzzy supplier selection model with lifetime performance index. Annals of Operations Research, 340(1), 133-147, 10.1007/s10479-023-05566-1.

Chen K.-S., Yu C.-M., Chang T.-C., Chen H.-Y., 2024. Fuzzy evaluation of product reliability based on ratio-based lifetime performance index. Annals of Operations Research, 340(1), 163-180, 10.1007/s10479-022-04988-7.

Chen L., Gao X., Liu J., Zhang Y., Diao X., Wang T., Lu J., Meng Z., 2025. A multivariate time series anomaly detection method with Multi-Grain Dynamic Receptive Field. Knowledge-Based Systems, 309, 112768, 10.1016/j.knosys.2024.112768.

Chen L., Wang Y.-M., 2025. Efficiency decomposition and frontier projection of two-stage network DEA under variable returns to scale. European Journal of Operational Research, 322(1), 157-170, 10.1016/j.ejor.2024.10.011.

Chen M., Wang X., Cai L., Ma L., 2025. Designing visually and operationally attractive routes to improve driver

acceptance in road cleaning vehicle routing problem. Computers and Operations Research, 177, 106973, 10.1016/j.cor.2025.106973.

Chen Q., Zhao Q., Zou Z., Qian Q., 2024. Bi-objective optimization for equipment system-of-systems development planning using a novel co-evolutionary algorithm based on NSGA-II and HypE. Computers and Industrial Engineering, 198, 110677, 10.1016/j.cie.2024.110677.

Chen R., Zhou W., Hu H., Fei Z., Fei M., Zhou H., 2024. Disentangled variational auto-encoder for multimodal fusion performance analysis in multimodal sentiment analysis. Knowledge-Based Systems, 301, 112372, 10.1016/j.knosys.2024.112372.

Chen S., Chen Y., 2025. Designing a resilient supply chain network: A multi-objective data-driven distributionally robust optimization method. Computers and Operations Research, 173, 106868, 10.1016/j.cor.2024.106868.

Chen S., Ma C., Wang W., Zio E., 2024. An agent-based cooperative co-evolutionary framework for optimizing the production planning of energy supply chains under uncertainty scenarios. International Journal of Production Economics, 277, 109399, 10.1016/j.ijpe.2024.109399.

Chen S.-P., Lin Y.-R., 2025. Measuring the efficiency of administrative divisions in combating the COVID-19 pandemic in Taiwan: an empirical study. International Transactions in Operational Research, 32(2), 1064-1087, 10.1111/itor.13341.

Chen W., Feng P., Luo X., Nie L., 2024. Task-service matching problem for platform-driven manufacturing-as-a-service: A one-leader and multi-follower Stackelberg game with multiple objectives. Omega (United Kingdom), 129, 103157, 10.1016/j.omega.2024.103157.

Chen W., Zhang Z., Tang D., Liu C., Gui Y., Nie Q., Zhao Z., 2024. Probing an LSTM-PPO-Based reinforcement learning algorithm to solve dynamic job shop scheduling problem. Computers and Industrial Engineering, 197, 110633, 10.1016/j.cie.2024.110633.

Chen X., Dong Y., He Y., 2024. Group Risky Choice and Resource Allocation Under Social Comparison Effects. Group Decision and Negotiation, 33(5), 977-1017, 10.1007/s10726-024-09875-z.

Chen X., He Y., Hooshmand Pakdel G., Yeh C.-H., 2025. Intelligent forecasting and distribution in cross-border e-commerce import trade: A deep-learning-based iterative optimization approach. Omega (United Kingdom), 133, 103277, 10.1016/j.omega.2025.103277.

Chen X., Wang H., Li X., 2024. Doctor recommendation under probabilistic linguistic environment considering patient's risk preference. Annals of Operations Research, 341(1), 555-581, 10.1007/s10479-022-04843-9.

Chen X., Wang J., Ren X., Ding C., 2024. Bayesian modeling and optimization for split-plot experiments with multiple responses. Computers and Industrial Engineering, 197, 110546, 10.1016/j.cie.2024.110546.

Chen X., Zhu S., Jiang Z., Yan W., Wang Y., Zhang H., 2024. A rule-driven method for disassembly sequence real-time planning of intelligent mixed-flow disassembly line. Computers and Industrial Engineering, 198, 110666, 10.1016/j.cie.2024.110666.

Chen Y., Wang W., Yang Z., Deveci M., Delen D., 2024. Evaluating risk of IoT adoption in the food supply chain using an integrated interval-valued spherical fuzzy generalised TODIM method. International Journal of Production Economics, 277, 109386, 10.1016/j.ijpe.2024.109386.

Chen Y., Zhao X., Mumtaz J., Guangyuan C., Wang C., 2025. Batch processing machine scheduling problems using a self-adaptive approach based on dynamic programming. Computers and Operations Research, 176, 106933, 10.1016/j.cor.2024.106933.

Chen Y.-S., Sangaiah A.K., Lin Y.-P., 2024. Hyperautomation on fuzzy data dredging on four advanced industrial forecasting models to support sustainable business management. Annals of Operations Research, 342(1), 215-264, 10.1007/s10479-024-05882-0.

Chen Z., Chen C., 2024. Optimal procurement decisions based on smoothing strategy for dual sourcing with different lead times. Computers and Industrial Engineering, 196, 110490, 10.1016/j.cie.2024.110490.

Cheng B., Gao J., Zhou M., Chu W., 2024. Integrated scheduling of production and distribution with two competing agents. Journal of the Operational Research Society, 75(9), 1826-1836, 10.1080/01605682.2023.2277867.

Cheng C., Shan R., Wu X., Lv S., 2024. An integrated distributionally robust model for two-echelon patient appointment scheduling. Computers and Industrial Engineering, 198, 110593, 10.1016/j.cie.2024.110593.

Cheng D., Wu Y., Yuan Y., Cheng F., Chen D., 2024. Modeling the Maximum Perceived Utility Consensus Based on Prospect Theory. Group Decision and Negotiation, 33(5), 951-975, 10.1007/s10726-023-09871-9.

Cheng J., De Waele W., 2024. Weighted average algorithm: A novel meta-heuristic optimization algorithm based on the weighted average position concept. Knowledge-Based Systems, 305, 112564, 10.1016/j.knosys.2024.112564.

Cheng J., Zhou Y., Wu C., Li Z., 2024. Collaborative truck–drone–motorcycle delivery of emergency supplies for mountain wildfire suppression. Computers and Industrial Engineering, 196, 110468, 10.1016/j.cie.2024.110468.

Cheon Y.-J., Hwang W.-Y., 2024. GAN-based statistical process control for the time series data. Knowledge-Based Systems, 305, 112613, 10.1016/j.knosys.2024.112613.

Cheynel E., Zhou F.S., 2024. Auditor Tenure and Misreporting: Evidence from a Dynamic Oligopoly Game. Management Science, 70(8), 5557-5585, 10.1287/mnsc.2023.4944.

Choi T.-M., Lam H.K.S., Sarkis J., Zhan Y., Zhu Q., 2025. Extreme weather and production economics: Insights, challenges, and future directions. International Journal of Production Economics, 281, 109504, 10.1016/j.ijpe.2024.109504.

Christou I.T., Doukas D., Skouri K., Meletiou G., 2025. Make me an offer: forward and reverse auctioning problems in the tourism industry. Operational Research, 25(1), 5, 10.1007/s12351-024-00886-x.

Chun J., Chen M., Liu X., Xiang S., Du Y., Wu G., Xing L., 2024. Learning to construct a solution for UAV path planning problem with positioning error correction. Knowledge-Based Systems, 304, 112569, 10.1016/j.knosys.2024.112569.

Chuong T.D., Yu X., Liu C., Eberhard A., Li C., 2024. Solving Two-stage Quadratic Multiobjective Problems via Optimality and Relaxations. Journal of Optimization Theory and Applications, 203(1), 676-713, 10.1007/s10957-024-02528-w.

Church R.L., Drezner Z., Plastria F., Tamir A., 2025. Reviewing extensions and solution methods of the planar Weber single facility location problem. Computers and Operations Research, 173, 106825, 10.1016/j.cor.2024.106825.

Ciatto G., Agiollo A., Magnini M., Omicini A., 2025. Large language models as oracles for instantiating ontologies with domain-specific knowledge. Knowledge-Based Systems, 310, 112940, 10.1016/j.knosys.2024.112940.

Ciftci M.E., Özkır V., 2024. Integrated optimisation model for airline bank structure and fleet assignment problem. Annals of Operations Research, 342(1), 265-285, 10.1007/s10479-023-05615-9.

Clapper Y., Berkhout J., Bekker R., 2024. Adaptive budget allocation in simheuristics applied to stochastic home healthcare routing and scheduling. Computers and Industrial Engineering, 198, 110651, 10.1016/j.cie.2024.110651.

Clautiaux F., Essodaigui S., Nguyen A., Sadykov R., Younes N., 2025. Models and algorithms for configuring and testing prototype cars. Computers and Operations Research, 173, 106834, 10.1016/j.cor.2024.106834.

Colley A.Q., Olinick E.V., 2025. Fast heuristics for the time-constrained immobile server problem. International Transactions in Operational Research, 32(3), 1282-1311, 10.1111/itor.13564.

Colmenar J.M., Laguna M., Martín-Santamaría R., 2024. Changeover minimization in the production of metal parts for car seats. Computers and Industrial Engineering, 198, 110634, 10.1016/j.cie.2024.110634.

Colombari R., Neirotti P., Berbegal-Mirabent J., 2024. Disentangling the socio-technical impacts of digitalization: What changes for shop-floor decision-makers?. International Journal of Production Economics, 276, 109377, 10.1016/j.ijpe.2024.109377.

Constantino M.F., Mesquita M., Marques S., Tóth S.F., Borges J.G., 2025. Road network, landing location, and routing optimization for forest smallholders landscapes. International Transactions in Operational Research, 32(2), 888-917, 10.1111/itor.13485.

Corberán T., Plana I., Sanchis J.M., 2025. The min max multi-trip drone location arc routing problem. Computers and Operations Research, 174, 106894, 10.1016/j.cor.2024.106894.

Cordeau J.-F., Iori M., Vezzali D., 2024. An updated survey of attended home delivery and service problems with a focus on applications. Annals of Operations Research, 343(2), 885-922, 10.1007/s10479-024-06241-9.

Cornaro A., Rizzini G., 2024. Environmentally extended input–output analysis in complex networks: a multilayer approach. Annals of Operations Research, 342(3), 2021-2048, 10.1007/s10479-022-05133-0.

Cororan P., Lewis R., 2025. A user-centric model of connectivity in street networks. Computers and Operations Research, 173, 106846, 10.1016/j.cor.2024.106846.

Cosgun O., Umar A., Delen D., 2024. Operational assessment of nursing homes at times of pandemic: an integrated DEA and machine learning approach. Operational Research, 24(4), 68, 10.1007/s12351-024-00875-0.

Cosmi M., Oriolo G., Piccialli V., Ventura P., 2025. Courier assignment in meal delivery via integer programming: A case study in Rome. Omega (United Kingdom), 133, 103237, 10.1016/j.omega.2024.103237.

Cosson R., Santana R., Derbel B., Liefooghe A., 2024. On bi-objective combinatorial optimization with heterogeneous objectives. European Journal of Operational Research, 319(1), 89-101, 10.1016/j.ejor.2024.06.029.

Cozarenco A., Szafarz A., Tsionas M., 2025. Women, immigrants, and microcredit in Europe: a Bayesian approach. Annals of Operations Research, 344(1), 105979, 10.1007/s10479-024-06312-x.

Cristofari A., De Santis M., Lucidi S., 2024. On Necessary Optimality Conditions for Sets of Points in Multiobjective Optimization. Journal of Optimization Theory and Applications, 203(1), 126-145, 10.1007/s10957-024-02478-3.

Croella A.L., Fraccascia L., 2024. A location-sizing and routing model for a biomethane production chain fed by municipal waste. Computers and Industrial Engineering, 198, 110714, 10.1016/j.cie.2024.110714.

Crosato L., Domenech J., Liberati C., 2024. Websites' data: a new asset for enhancing credit risk modeling. Annals of Operations Research, 342(3), 1671-1686, 10.1007/s10479-023-05306-5.

Cui F., Wang L., Luo X.R., Cui X., 2024. Influentials, early adopters, or random targets? Optimal seeding strategies under vertical differentiations. Decision Support Systems, 183, 114263, 10.1016/j.dss.2024.114263.

da Silva C., Barbosa-Póvoa A., Carvalho A., 2025. Assessing social performance in supply chain design and planning through a monetization approach. International Transactions in Operational Research, 32(2), 802-838, 10.1111/itor.13419.

Dächert K., Fleuren T., Klamroth K., 2024. A simple, efficient and versatile objective space algorithm for multiobjective integer programming. Mathematical Methods of Operations Research, 100(1), 351-384, 10.1007/s00186-023-00841-0.

Dai L., Peng J., Zheng Y., 2024. Optimal decisions in a dual-channel remanufacturing supply chain with reference quality effect under WTP differentiation. Operational Research, 24(4), 56, 10.1007/s12351-024-00865-2.

Daş G.S., Gzara F., 2024. Column generation based solution for bi-objective gate assignment problems. Mathematical Methods of Operations Research, 100(1), 123-151, 10.1007/s00186-024-00856-1.

Daskin M.S., Redmond M., Levin A., 2024. The tradeoff between maximizing expected profit and minimizing the maximum regret in the newsvendor problem. Annals of Operations Research, 343(1), 108509, 10.1007/s10479-024-06276-y.

Davtalab-Olyaie M., Begen M.A., Yang Z., Asgharian M., 2024. Incentivization in centrally managed systems: Inconsistencies resolution. Omega (United Kingdom), 129, 103160, 10.1016/j.omega.2024.103160.

de Aguiar A.R.P., Grassi I.C.D.F., Gomes M.I., Ramos T.R.P., 2025. Home visit scheduling for family interventions: a child

protection case study. International Transactions in Operational Research, 32(2), 669-691, 10.1111/itor.13416.

De Caigny A., De Bock K.W., Verboven S., 2024. Hybrid black-box classification for customer churn prediction with segmented interpretability analysis. Decision Support Systems, 181, 114217, 10.1016/j.dss.2024.114217.

deHaan E., Kim J., Lourie B., Zhu C., 2024. Buy Now Pay (Pain?) Later. Management Science, 70(8), 5586-5598, 10.1287/mnsc.2022.03266.

Delaet A., Ramaekers K., Hirsch P., Molenbruch Y., Braekers K., 2024. A matheuristic for integrated medium-term home healthcare planning. European Journal of Operational Research, 319(2), 543-556, 10.1016/j.ejor.2024.07.001.

Delorme M., García S., Gondzio J., Kalcsics J., Manlove D., Pettersson W., 2024. New Algorithms for Hierarchical Optimization in Kidney Exchange Programs. Operations Research, 72(4), 1654-1673, 10.1287/opre.2022.2374.

Demeulemeester T., Goossens D., Hermans B., Leus R., 2025. Fair integer programming under dichotomous and cardinal preferences. European Journal of Operational Research, 320(3), 465-478, 10.1016/j.ejor.2024.08.023.

Demirci M., 2025. An application of the theory of categorical many-valued partial orders to sets with fuzzy equalities. Fuzzy Sets and Systems, 502, 109219, 10.1016/j.fss.2024.109219.

Deng J., Zhang Q., Sun J., Li H., 2024. A Fast Exact Algorithm for Computing the Hypervolume Contributions in 4-D Space. IEEE Transactions on Evolutionary Computation, 28(4), 876-890, 10.1109/TEVC.2023.3271679.

Dere S., Elçin Günay E., Kula U., Kremer G.E., 2024. Assessing agrivoltaics potential in Türkiye – A geographical information system (GIS)-based fuzzy multi-criteria decision making (MCDM) approach. Computers and Industrial Engineering, 197, 110598, 10.1016/j.cie.2024.110598.

Désir A., Goyal V., Jiang B., Xie T., Zhang J., 2024. Robust Assortment Optimization Under the Markov Chain Choice Model. Operations Research, 72(4), 1595-1614, 10.1287/opre.2022.2420.

Despotis D.K., Sotiros D., Koronakos G., 2025. Data envelopment analysis of two-stage processes: an alternative (non-conventional) approach. International Transactions in Operational Research, 32(1), 384-405, 10.1111/itor.13320.

Destouet C., Tlahig H., Bettayeb B., Mazari B., 2024. Multi-objective sustainable flexible job shop scheduling problem: Balancing economic, ecological, and social criteria. Computers and Industrial Engineering, 195, 110419, 10.1016/j.cie.2024.110419.

Dey S., Kurbanzade A.K., Gel E.S., Mihaljevic J., Mehrotra S., 2024. Optimization modeling for pandemic vaccine supply chain management: A review and future research opportunities. Naval Research Logistics, 71(7), 976-1016, 10.1002/nav.22181.

Dhaka V., Nijhawan N., 2024. Effect of change in environment on reliability growth modeling integrating fault reduction factor and change point: a general approach. Annals of Operations Research, 340(1), 181-215, 10.1007/s10479-022-05084-6.

Di Nardo M., Teresa M., Assunta C., Wu J., Song M., 2024. Catalyzing industrial evolution: A dynamic maintenance framework for maintenance 4.0 optimization. Computers and Industrial Engineering, 196, 110469, 10.1016/j.cie.2024.110469.

Diakonikolas J., Guzmán C., 2024. Complementary composite minimization, small gradients in general norms, and applications. Mathematical Programming, 208, 319-363, 10.1007/s10107-023-02040-5.

Dias L.C., Xidonas P., Samitas A., 2025. A novel sigma-Mu multiple criteria decision aiding approach for mutual funds portfolio selection. European Journal of Operational Research, 322(2), 589-598, 10.1016/j.ejor.2024.11.003.

Digehsara A.A., Ji M., Ardestani-Jaafari A., Bidkhori H., 2025. Equity-driven facility location: A two-stage robust optimization approach. Computers and Operations Research, 176, 106920, 10.1016/j.cor.2024.106920.

Ding K., Feng X., Yu H., 2024. To be global or personalized: Generalized federated learning with cooperative adaptation for data heterogeneity. Knowledge-Based Systems, 301, 112317, 10.1016/j.knosys.2024.112317.

Djukanović M., Kapunac S., Kartelj A., Matić D., 2025. Graph protection under multiple simultaneous attacks: A heuristic approach. Knowledge-Based Systems, 309, 112791, 10.1016/j.knosys.2024.112791.

Dolgui A., Eremeev A.V., Sigaev V.S., 2024. Fitness landscapes of buffer allocation problem for production lines with unreliable machines. Computers and Operations Research, 172, 106819, 10.1016/j.cor.2024.106819.

Dong E., Zhan X., Yan H., Tan S., Bai Y., Wang R., Cheng Z., 2025. A data-driven intelligent predictive maintenance decision framework for mechanical systems integrating transformer and kernel density estimation. Computers and Industrial Engineering, 201, 110868, 10.1016/j.cie.2025.110868.

Dong Q., Yuan Y., 2025. Data-driven distributionally robust supplier selection and order allocation problems considering carbon emissions. International Transactions in Operational Research, 32(2), 1119-1145, 10.1111/itor.13328.

Dong Y., Qin K., Liang S., Raza A., Luo G., 2025. GKA-GPT: Graphical knowledge aggregation for multiturn dialog generation. Knowledge-Based Systems, 309, 112763, 10.1016/j.knosys.2024.112763.

Dong Y., Xiao L., 2024. Enhancing wind power generation prediction using relevance assessment-based transfer learning. Knowledge-Based Systems, 303, 112417, 10.1016/j.knosys.2024.112417.

Dragomir A.G., Müller D.I., 2024. Problem size reduction methods for large CVRPs. Computers and Operations Research, 172, 106820, 10.1016/j.cor.2024.106820.

Drezner N., Barron Y., 2024. An emergency supply policy for an inventory replenishment model with returns and partial backorders. Annals of Operations Research, 343(1), 105320, 10.1007/s10479-024-06261-5.

Drobner C., Goerg S.J., 2024. Motivated Belief Updating and Rationalization of Information. Management Science, 70(7), 4583-4592, 10.1287/mnsc.2023.02537.

Druetto A., Grosso A., Jeunet J., Salassa F., 2025. Efficient arc-flow formulations for makespan minimisation on parallel machines with a common server. Computers and Operations Research, 174, 106911, 10.1016/j.cor.2024.106911.

Du J., Strub M.S., 2024. Optimal strategies and values for monotone and classical mean-variance preferences coincide

when asset prices are continuous. Operations Research Letters, 57, 107204, 10.1016/j.orl.2024.107204.

Du P., Framinan J.M., Chen H., 2024. Understanding after-market service channel selection for complex product-services supply chains: A game-theoretical approach. Computers and Industrial Engineering, 197, 110630, 10.1016/j.cie.2024.110630.

Du X., Pun C.-M., Zhou J., 2024. Efficient physical image attacks using adversarial fast autoaugmentation methods. Knowledge-Based Systems, 304, 112576, 10.1016/j.knosys.2024.112576.

Duan J., Liu F., Zhang Q., Qin J., 2024. Tri-objective lot-streaming scheduling optimization for hybrid flow shops with uncertainties in machine breakdowns and job arrivals using an enhanced genetic programming hyper-heuristic. Computers and Operations Research, 172, 106817, 10.1016/j.cor.2024.106817.

Duan Y., Xiang C., Chen M., 2024. Two-stage appointment scheduling considering patient foldback under a stochastic approximation approach. Journal of the Operational Research Society, 75(12), 2375-2391, 10.1080/01605682.2024.2317227.

Dunbar A., Sinha S., Schaefer A.J., 2024. Relaxations and duality for multiobjective integer programming. Mathematical Programming, 207, 577-616, 10.1007/s10107-023-02022-7.

Ebrahimi M., Basiri A., 2024. RACEkNN: A hybrid approach for improving the effectiveness of the k-nearest neighbor algorithm. Knowledge-Based Systems, 301, 112357, 10.1016/j.knosys.2024.112357.

Efat M.I.A., Hajek P., Abedin M.Z., Azad R.U., Jaber M.A., Aditya S., Hassan M.K., 2024. Deep-learning model using hybrid adaptive trend estimated series for modelling and forecasting sales. Annals of Operations Research, 339, 297-328, 10.1007/s10479-022-04838-6.

Eichfelder G., Gerlach T., Warnow L., 2024. A test instance generator for multiobjective mixed-integer optimization. Mathematical Methods of Operations Research, 100(1), 385-410, 10.1007/s00186-023-00826-z.

Eichfelder G., Stein O., Warnow L., 2024. A Solver for Multiobjective Mixed-Integer Convex and Nonconvex Optimization. Journal of Optimization Theory and Applications, 203(2), 1736-1766, 10.1007/s10957-023-02285-2.

Eichfelder G., Warnow L., 2024. A hybrid patch decomposition approach to compute an enclosure for multi-objective mixed-integer convex optimization problems. Mathematical Methods of Operations Research, 100(1), 291-320, 10.1007/s00186-023-00828-x.

Elboulqe Y., El Maghri M., 2024. An explicit three-term Polak–Ribière–Polyak conjugate gradient method for bicriteria optimization. Operations Research Letters, 57, 107195, 10.1016/j.orl.2024.107195.

El-Shahat D., Abdel-Basset M., Talal N., Gamal A., Abouhawwash M., 2024. BYDSEX: Binary Young's double-slit experiment optimizer with adaptive crossover for feature selection: Investigating performance issues of network intrusion detection. Knowledge-Based Systems, 305, 112589, 10.1016/j.knosys.2024.112589.

Eriskin L., Karatas M., 2024. Applying robust optimization to the shelter location–allocation problem: a case study for Istanbul. Annals of Operations Research, 339(3), 1589-1635, 10.1007/s10479-022-04627-1.

Ersin Telemeci Y., Azizoğlu M., 2024. Type-II transfer line Balancing problem – A branch and bound approach. Computers and Industrial Engineering, 198, 110689, 10.1016/j.cie.2024.110689.

Falconer J.R., Frank E., Polaschek D.L.L., Joshi C., 2024. Eliciting Informative Priors by Modeling Expert Decision Making. Decision Analysis, 21(2), 77-90, 10.1287/deca.2023.0046.

Fallah S., Ralphs T.K., Boland N.L., 2024. On the relationship between the value function and the efficient frontier of a mixed integer linear optimization problem. Mathematical Methods of Operations Research, 100(1), 175-220, 10.1007/s00186-024-00871-2.

Fallahi A., Amani Bani E., Varmazyar M., 2025. Towards sustainable scheduling of unrelated parallel batch processors: A multiobjective approach with triple bottom line, classical and data-driven robust optimization. Computers and Operations Research, 173, 106863, 10.1016/j.cor.2024.106863.

Fan J., Zhang C., Yang F., Shen W., Gao L., 2024. A matheuristic with re-lot-sizing strategies for flexible job-shop rescheduling problem with lot-streaming and machine reconfigurations. European Journal of Operational Research, 319(3), 747-762, 10.1016/j.ejor.2024.07.030.

Fan W., Jiang Y., Pei J., Yan P., Qiu L., 2024. The impact of medical insurance payment systems on patient choice, provider behavior, and out-of-pocket rate: Fee-for-service versus diagnosis-related groups. Decision Sciences, 55(3), 245-261, 10.1111/deci.12593.

Fan Y., Xi W., Shen Y., Zhao J., 2025. Evolutionary cross-client network aggregation for personalized federated learning. Knowledge-Based Systems, 309, 112866, 10.1016/j.knosys.2024.112866.

Fan Z., Ji R., Lejeune M.A., 2024. Distributionally Robust Portfolio Optimization under Marginal and Copula Ambiguity. Journal of Optimization Theory and Applications, 203(3), 100285, 10.1007/s10957-024-02550-y.

Fang C., Chi M., Fan S., Choi T.-M., 2024. Who should invest in blockchain technology under different pricing models in supply chains?. European Journal of Operational Research, 319(3), 777-792, 10.1016/j.ejor.2024.07.006.

Fang K., Fu E., Huang D., Ke G.Y., Verma M., 2025. A value-at-risk based approach to the routing problem of multi-hazmat railcars. European Journal of Operational Research, 320(1), 132-145, 10.1016/j.ejor.2024.08.006.

Fantazzini T.M., Vieira T., Morabito R., Munari P., 2025. Hierarchical goal programming approaches to solve a discrete-time formulation for the aircraft recovery problem of a Brazilian oil and gas company. International Transactions in Operational Research, 32(3), 1343-1374, 10.1111/itor.13516.

Fardi K., Ghasemzadeh F., Farahani R.Z., Asgari N., Laker B., Ruiz R., 2025. The impact of frequency and magnitude of natural disasters on inventory prepositioning. European Journal of Operational Research, 322(2), 511-540, 10.1016/j.ejor.2024.10.038.

Fathollahzadeh K., Saeedi M., Khalili-Fard A., Rabbani M., Aghsami A., 2024. Multi-objective optimization for a green forward-reverse meat supply chain network design under

uncertainty: Utilizing waste and by-products. Computers and Industrial Engineering, 197, 110578, 10.1016/j.cie.2024.110578.

Feinstein Z., Rudloff B., 2024. Technical Note—Characterizing and Computing the Set of Nash Equilibria via Vector Optimization. Operations Research, 72(5), 2082-2096, 10.1287/opre.2023.2457.

Feng H., Hu Q., Zhao Z., Feng X., Jiang C., 2025. A varied-width path planning method for multiple AUV formation. Computers and Industrial Engineering, 199, 110746, 10.1016/j.cie.2024.110746.

Feng Q., Li D., Zhou G., Wu Z., 2024. Fairness based unique common equilibrium efficient frontier for evaluating decision-making units with fixed-sum outputs. Annals of Operations Research, 341(1), 427-449, 10.1007/s10479-022-05013-7.

Feng Y., Feng L., Kwong S., Tan K.C., 2024. A Multiform Evolutionary Search Paradigm for Bilevel Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 28(6), 1719-1732, 10.1109/TEVC.2023.3332676.

Feng Y., Niazadeh R., Saberi A., 2024. Two-Stage Stochastic Matching and Pricing with Applications to Ride Hailing. Operations Research, 72(4), 1574-1594, 10.1287/opre.2022.2398.

Fernandez E., Rivera G., Cruz-Reyes L., Espin-Andrade R.A., Gomez-Santillan C.G., Rangel-Valdez N., 2024. Aiding decision makers in articulating a preference closeness model through compensatory fuzzy logic for many-objective optimization problems. Knowledge-Based Systems, 304, 112524, 10.1016/j.knosys.2024.112524.

Ferone D., Festa P., Fugaro S., Pastore T., 2025. Hybridizing a matheuristic with ALNS for the optimal collection and delivery of medical specimens. International Transactions in Operational Research, 32(1), 90-116, 10.1111/itor.13386.

Fischer A., Izmailov A.F., Jelitte M., 2024. Behavior of Newton-Type Methods Near Critical Solutions of Nonlinear Equations with Semismooth Derivatives. Journal of Optimization Theory and Applications, 203(3), 2179-2205, 10.1007/s10957-023-02350-w.

Fitzpatrick J., Ajwani D., Carroll P., 2024. A scalable learning approach for the capacitated vehicle routing problem. Computers and Operations Research, 171, 106787, 10.1016/j.cor.2024.106787.

Flores-Sosa M., Merigó J.M., Sanchez-Valenzuela K., 2025. 30 years of the Journal of Heuristics: a bibliometric analysis. Journal of Heuristics, 31(1), 6, 10.1007/s10732-024-09542-1.

Folco P., Sahli A., Belmokhtar-Berraf S., Bouillaut L., 2024. A rolling horizon for rolling stock maintenance scheduling problem with cyclical activities. Computers and Industrial Engineering, 196, 110460, 10.1016/j.cie.2024.110460.

Fotedar S., Strömberg A.-B., 2025. A method to identify a representation of the set of non-dominated points for discrete tri-objective optimization problems. Computers and Operations Research, 176, 106928, 10.1016/j.cor.2024.106928.

Fradi A., Samir C., Adouani I., 2024. A New Bayesian Approach to Global Optimization on Parametrized Surfaces in R3. Journal of Optimization Theory and Applications, 202(3), 1077-1100, 10.1007/s10957-024-02473-8.

French S., 2024. Whose Judgement? Reflections on Elicitation in Bayesian Analysis. Decision Analysis, 21(3), 143-159, 10.1287/deca.2023.0073.

Frial V.B., Jenkins P.R., Robbins M.J., 2024. Characterizing military medical evacuation dispatching and delivery policies via a self-exciting spatio-temporal Hawkes process model. Journal of the Operational Research Society, 75(7), 1239-1260, 10.1080/01605682.2023.2239884.

Fu C., Chang W., 2024. A Markov Chain-Based Group Consensus Method with Unknown Parameters. Group Decision and Negotiation, 33(5), 1019-1048, 10.1007/s10726-024-09876-y.

Fu R., Chen C., Yan S., Wang X., Chen H., 2024. Consistency-based semi-supervised learning for oriented object detection. Knowledge-Based Systems, 304, 112534, 10.1016/j.knosys.2024.112534.

Fu Y., Yan X., Chen W., Zhang J., 2025. Feature-Enhanced Multimodal Interaction model for emotion recognition in conversation. Knowledge-Based Systems, 309, 112876, 10.1016/j.knosys.2024.112876.

Furman E., Diamant A., 2025. Optimal capacity planning for cloud service providers with periodic, time-varying demand. European Journal of Operational Research, 322(1), 133-146, 10.1016/j.ejor.2024.11.017.

Gaar E., Lee J., Ljubić I., Sinnl M., Tanınmış K., 2024. On SOCP-based disjunctive cuts for solving a class of integer bilevel nonlinear programs. Mathematical Programming, 206, 91-124, 10.1007/s10107-023-01965-1.

Galán López Y., González García C., García Díaz V., Núñez Valdez E.R., Gómez Gómez A., 2024. Interpretability of rectangle packing solutions with Monte Carlo tree search. Journal of Heuristics, 30, 173-198, 10.1007/s10732-024-09525-2.

Galera-Zarco C., Floros G., 2024. A deep learning approach to improve built asset operations and disaster management in critical events: an integrative simulation model for quicker decision making. Annals of Operations Research, 339, 573-612, 10.1007/s10479-023-05247-z.

Gan H., Yang Z., Shi M., Ye Z., Zhou R., 2025. Improved safe semi-supervised clustering based on capped $\ell 21$ norm. Fuzzy Sets and Systems, 505, 109276, 10.1016/j.fss.2025.109276.

Gan L., Xiong Q., Chen X., Lin Z., Jiang W., 2025. Optimal dispatch schedule for the coordinated hydro-wind-photovoltaic system with non-priority output utilizing combined meta-heuristic. Omega (United Kingdom), 131, 103198, 10.1016/j.omega.2024.103198.

Gan M., Zhang X., Liang Y., 2024. CGG: Category-aware global graph contrastive learning for session-based recommendation. Knowledge-Based Systems, 305, 112661, 10.1016/j.knosys.2024.112661.

Gao L., Zhang Z., He S., He Z., 2025. Optimal testing, patching, warranty, and pricing policies for smart products considering hardware–software interaction. Computers and Industrial Engineering, 201, 110882, 10.1016/j.cie.2025.110882.

Gao Q., Liu C., Huang L., Trajcevski G., Guo Q., Zhou F., 2025. Learning to discover anomalous spatiotemporal trajectory via Open-world State Space model. Knowledge-Based Systems, 310, 112918, 10.1016/j.knosys.2024.112918.

Gao W., Lu S., Liu K., Li D., 2025. Integrated optimization of timetabling and vehicle scheduling for pure electric buses considering multiple depots and vehicle types. Computers and Industrial Engineering, 201, 110833, 10.1016/j.cie.2024.110833.

Gao Y., Hu C., Yu J., 2025. Output synchronization in fixed/preassigned-time of T-S fuzzy multilayered networks. Fuzzy Sets and Systems, 505, 109279, 10.1016/j.fss.2025.109279.

Gao Y., Lu S., Zhan S., Hu C., Liu X., 2024. Closed-loop supply chain network design with price-greenness-sensitive demand: A distributionally robust chance-constrained optimization approach. Computers and Operations Research, 172, 106803, 10.1016/j.cor.2024.106803.

Garber D., Kaplan A., 2025. Low-rank extragradient methods for scalable semidefinite optimization. Operations Research Letters, 60, 107230, 10.1016/j.orl.2024.107230.

García-Pedrajas N., 2024. Partial random under/oversampling for multilabel problems. Knowledge-Based Systems, 302, 112355, 10.1016/j.knosys.2024.112355.

García-Zamora D., Dutta B., Figueira J.R., Martínez L., 2024. The Deck of Cards Method to Build Interpretable Fuzzy Sets in Decision-making. European Journal of Operational Research, 319(1), 246-262, 10.1016/j.ejor.2024.06.039.

Garg H., Dutta D., Dutta P., Gohain B., 2024. An extended group decision-making algorithm with intuitionistic fuzzy set information distance measures and their applications. Computers and Industrial Engineering, 197, 110537, 10.1016/j.cie.2024.110537.

Gaspars-Wieloch H., 2024. AHP based on scenarios and the optimism coefficient for new and risky projects: case of independent criteria. Annals of Operations Research, 341, 937-961, 10.1007/s10479-024-06197-w.

Gaul D., Klamroth K., Pfeiffer C., Stiglmayr M., Schulz A., 2025. A tight formulation for the dial-a-ride problem. European Journal of Operational Research, 321(2), 363-382, 10.1016/j.ejor.2024.09.028.

Gaurav K.K., Baranwal G., 2024. A blockchain-enabled private parking space allocation with improved parking space utilization. Computers and Industrial Engineering, 197, 110613, 10.1016/j.cie.2024.110613.

Geiger G., 2024. Catastrophic risk: indication, quantitative assessment and management of rare extreme events using a non-expected utility framework. Annals of Operations Research, 343(1), 223-261, 10.1007/s10479-024-06259-z.

Geng S., Gong Y., Hou H., Yang J., Onggo B.S., 2024. Resource management in disaster relief: a bibliometric and content-analysis-based literature review. Annals of Operations Research, 343(1), 107399, 10.1007/s10479-024-06324-7.

Georgantas A., Doumpos M., Zopounidis C., 2024. Robust optimization approaches for portfolio selection: a comparative analysis. Annals of Operations Research, 339(3), 1205-1221, 10.1007/s10479-021-04177-y.

Georgantzinos S.K., Kastanos G., Tseni A.D., Kostopoulos V., 2024. Efficient optimization of the multi-response problem in the taguchi method through advanced data envelopment analysis formulations integration. Computers and Industrial Engineering, 197, 110618, 10.1016/j.cie.2024.110618.

Ghandi F., Davtalab-Olyaie M., Asgharian M., Begen M.A., Saadatmandi A., 2025. Pareto-optimal peer evaluation in context-dependent DEA: Pareto-optimal peer..: F. Ghandi et al.. Operational Research, 25(1), 4, 10.1007/s12351-024-00873-2.

Ghoushchi S.J., Mardani A., Martínez L., 2024. Trust number: Trust-based modeling for handling decision-making problems. Knowledge-Based Systems, 305, 112631, 10.1016/j.knosys.2024.112631.

Ghuge S., Akarte M., 2024. Additive manufacturing service bureau selection: A Bayesian network integrated framework. International Journal of Production Economics, 276, 109348, 10.1016/j.ijpe.2024.109348.

Gilad A., Tishler A., 2024. Measuring and Mitigating the Risk of Advanced Cyberattackers. Decision Analysis, 21(4), 215-234, 10.1287/deca.2023.0072.

Gilbert H., Ouaguenouni M., Öztürk M., Spanjaard O., 2025. Robust ordinal regression for subsets comparisons with interactions. European Journal of Operational Research, 320(1), 146-159, 10.1016/j.ejor.2024.07.021.

Gitinavard H., Mohagheghi V., Akbarpour Shirazi M., Mousavi S.M., 2025. Biofuel supply chain network design in competitive feedstock markets: An interactive possibilistic programming-based intelligent agent system. Computers and Industrial Engineering, 200, 110849, 10.1016/j.cie.2024.110849.

Goers J., Horton G., 2024. On the Combinatorial Acceptability Entropy Consensus Metric for Multi-Criteria Group Decisions. Group Decision and Negotiation, 33(5), 1247-1268, 10.1007/s10726-024-09891-z.

Golden B., Schrage L., Shier D., Apergi L.A., 2024. The unexpected power of linear programming: an updated collection of surprising applications. Annals of Operations Research, 343(2), 573-605, 10.1007/s10479-024-06245-5.

Goli A., 2024. Efficient optimization of robust project scheduling for industry 4.0: A hybrid approach based on machine learning and meta-heuristic algorithms. International Journal of Production Economics, 278, 109427, 10.1016/j.ijpe.2024.109427.

Gong K., Ma W., Lei W., Zhang H., Goh M., 2025. An individual satisfaction and influence measure-based approach for multi-attribute large-scale group decision-making with uncertain linguistic preference relations. Computers and Industrial Engineering, 201, 110888, 10.1016/j.cie.2025.110888.

Gong Y.-J., Zhong Y.-T., Huang H.-G., 2024. Offline Data-Driven Optimization at Scale: A Cooperative Coevolutionary Approach. IEEE Transactions on Evolutionary Computation, 28(6), 1809-1823, 10.1109/TEVC.2023.3338693.

Govindan K., 2025. Analyzing the dynamic capabilities of emerging technologies for industrial emergency situations. International Journal of Production Economics, 281, 109495, 10.1016/j.ijpe.2024.109495.

Govindan K., Naieni Fard F.S., Asgari F., Sorooshian S., Mina H., 2024. A Bi-objective location-routing model for the healthcare waste management in the era of logistics 4.0 under uncertainty. International Journal of Production Economics, 276, 109342, 10.1016/j.ijpe.2024.109342.

Granado I., Silva E., Carravilla M.A., Oliveira J.F., Hernando L., Fernandes-Salvador J.A., 2025. A GRASP-based multi-objective approach for the tuna purse seine fishing fleet

routing problem. Computers and Operations Research, 174, 106891, 10.1016/j.cor.2024.106891.

Grange C., Poss M., Bourreau E., 2024. An introduction to variational quantum algorithms for combinatorial optimization problems. Annals of Operations Research, 343(2), 015021, 10.1007/s10479-024-06253-5.

Guan L., Laporte G., Merigó J.M., Nickel S., Rahimi I., Saldanha-da-Gama F., 2025. 50 years of Computers & Operations Research: A bibliometric analysis. Computers and Operations Research, 175, 106910, 10.1016/j.cor.2024.106910.

Guha R., Deb K., 2024. Compromising Pareto-Optimality With Regularity in Platform-Based Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 28(6), 1746-1760, 10.1109/TEVC.2023.3336715.

Gui L., Li X., Zhang Q., Gao L., 2024. A uniform sampling method for permutation space. Annals of Operations Research, 338, 925-945, 10.1007/s10479-024-06039-9.

Guillen M.D., Aparicio J., Kapelko M., Esteve M., 2025. Measuring environmental inefficiency through machine learning: An approach based on efficiency analysis trees and by-production technology. European Journal of Operational Research, 321(2), 529-542, 10.1016/j.ejor.2024.10.003.

Gülyeşil S., Durmuşoğlu Z.D.U., 2024. A new mathematical model and meta-heuristic algorithm for order batching, depot selection, and assignment problem with multiple depots and pickers. Computers and Industrial Engineering, 197, 110585, 10.1016/j.cie.2024.110585.

Guo J., He J., Wu X., 2024. Shopping trip recommendations: A novel deep learning-enhanced global planning approach. Decision Support Systems, 182, 114238, 10.1016/j.dss.2024.114238.

Guo J., Wang Z., Zhang Z., 2024. Minimum cost consensus model with variable cost for multi-criteria large-scale group decision-making considering the tolerance of decision-makers. Computers and Industrial Engineering, 196, 110456, 10.1016/j.cie.2024.110456.

Guo J., Zhang J., Cheng T.C.E., 2024. Truthful multi-unit double auction with transaction costs and sellers' changing marginal costs. International Journal of Production Economics, 278, 109430, 10.1016/j.ijpe.2024.109430.

Guo L., 2024. Unifying Procedure-Dependent Preference Reversals: Theory and Experiments. Management Science, 70(11), 8163-8186, 10.1287/mnsc.2021.02640.

Guo S., Xu H., Zhang S., 2024. Utility Preference Robust Optimization with Moment-Type Information Structure. Operations Research, 72(5), 2241-2261, 10.1287/opre.2023.2464.

Guo T., Mei Y., Tang K., Du W., 2024. Cooperative Co-Evolution for Large-Scale Multiobjective Air Traffic Flow Management. IEEE Transactions on Evolutionary Computation, 28(6), 1644-1658, 10.1109/TEVC.2023.3328886.

Guo Z., Liu J., Liu X., Meng Z., Pu M., Wu H., Yan X., Yang G., Zhang X., Chen C., Chen F., 2024. An integrated MCDM model with enhanced decision support in transport safety using machine learning optimization. Knowledge-Based Systems, 301, 112286, 10.1016/j.knosys.2024.112286.

Gupta S., Bansal S., Dawande M., Janakiraman G., 2024. Trust-and-Evaluate: A Dynamic Nonmonetary Mechanism for Internal Capital Allocation. Management Science, 70(11), 7811-7828, 10.1287/mnsc.2022.01121.

Gupta S., Gupta S., 2024. Fitness and historical success information-assisted binary particle swarm optimization for feature selection. Knowledge-Based Systems, 306, 112699, 10.1016/j.knosys.2024.112699.

Gürsoy Yılmaz B., Faruk Yılmaz Ö., Akçalı E., Çevikcan E., 2025. Seru scheduling problem with lot streaming and worker transfers: A multi-objective approach. Computers and Operations Research, 177, 106967, 10.1016/j.cor.2024.106967.

Habib M., Vicente-Palacios V., García-Sánchez P., 2025. Bio-inspired optimization of feature selection and SVM tuning for voice disorders detection. Knowledge-Based Systems, 310, 112950, 10.1016/j.knosys.2024.112950.

Hafsa M., Wattebled P., Jacques J., Jourdan L., 2025. Solving a multiobjective professional timetabling problem using evolutionary algorithms at Mandarine Academy. International Transactions in Operational Research, 32(1), 244-269, 10.1111/itor.13276.

Haghighi M.H., Ashrafi M., 2024. A novel framework for risk management of software projects by integrating a new COPRAS method under cloud model and machine learning algorithms. Annals of Operations Research, 338(1), 675-708, 10.1007/s10479-023-05653-3.

Halická M., Trnovská M., Černý A., 2025. On indication, strict monotonicity, and efficiency of projections in a general class of path-based data envelopment analysis models. European Journal of Operational Research, 320(1), 175-187, 10.1016/j.ejor.2024.08.009.

Haloui D., Oufaska K., Oudani M., Yassini K.E., Belhadi A., Kamble S., 2025. Sustainable urban farming using a two-phase multi-objective and multi-criteria decision-making approach. International Transactions in Operational Research, 32(2), 769-801, 10.1111/itor.13460.

Han K., Gong W., 2025. Memetic algorithm based on non-dominated levels for flexible job shop scheduling problem with learn-forgetting effect and worker cooperation. Computers and Industrial Engineering, 200, 110845, 10.1016/j.cie.2024.110845.

Han M., Park S., Kim S., Kim H., 2024. Bridging the gap between text-to-SQL research and real-world applications: A unified all-in-one framework for text-to-SQL. Knowledge-Based Systems, 306, 112697, 10.1016/j.knosys.2024.112697.

Hao H., Zhu H., 2024. A self-learning particle swarm optimization for bi-level assembly scheduling of material-sensitive orders. Computers and Industrial Engineering, 195, 110427, 10.1016/j.cie.2024.110427.

Hao L., Kumar S., 2024. Benefit of Consumer Showrooming for a Physical Retailer: A Distribution Channel Perspective. Management Science, 70(8), 5208-5225, 10.1287/mnsc.2020.01990.

Hao L., Zou Z., Liang X., 2025. Solving multi-objective energy-saving flexible job shop scheduling problem by hybrid search genetic algorithm. Computers and Industrial Engineering, 200, 110829, 10.1016/j.cie.2024.110829.

Hao W.-K., Wang J.-S., Li X.-D., Liu Y., Zhu J.-H., Zhang M., Wang M., 2024. Multi-objective arithmetic optimization

algorithm with random searching strategies to solve combined economic emission dispatch problem. Computers and Industrial Engineering, 195, 110434, 10.1016/j.cie.2024.110434.

Hart F., Waltz M., Okhrin O., 2024. Two-step dynamic obstacle avoidance. Knowledge-Based Systems, 302, 112402, 10.1016/j.knosys.2024.112402.

Hasteer N., Sindhwani R., Behl A., Varshney A., Sharma A., 2024. Exploring the inhibitors for competitive AI software development through cloud driven transformation. Annals of Operations Research, 342(1), 355-397, 10.1007/s10479-023-05619-5.

He J., Xiao X., Yu H., Zhang Z., 2024. Dynamic yard allocation for automated container terminal. Annals of Operations Research, 343(3), 927-948, 10.1007/s10479-021-04458-6.

He K., Zhang Y., Wang Y., Zhou R., 2024. Solving power system economic emission dispatch problem under complex constraints via dimension differential learn butterfly optimization algorithm with FDC-based. Computers and Industrial Engineering, 197, 110568, 10.1016/j.cie.2024.110568.

He Y., Jia T., Zheng W., 2024. Simulated annealing for centralised resource-constrained multiproject scheduling to minimise the maximal cash flow gap under different payment patterns. Annals of Operations Research, 338(1), 115-149, 10.1007/s10479-023-05580-3.

He Y., Smith M.L., Thevenin S., Dolgui A., 2024. Dynamic workload balancing to part input sequencing for integrated scheduling decision-making of flexible manufacturing systems. Computers and Industrial Engineering, 198, 110672, 10.1016/j.cie.2024.110672.

He Y.-L., Yu J.-Y., Li X., Fournier-Viger P., Huang J.Z., 2024. A novel and efficient risk minimisation-based missing value imputation algorithm. Knowledge-Based Systems, 304, 112435, 10.1016/j.knosys.2024.112435.

Helfrich S., Herzel A., Ruzika S., Thielen C., 2024. Using scalarizations for the approximation of multiobjective optimization problems: towards a general theory. Mathematical Methods of Operations Research, 100(1), 27-63, 10.1007/s00186-023-00823-2.

Helfrich S., Prinz K., Ruzika S., 2024. The Weighted p-Norm Weight Set Decomposition for Multiobjective Discrete Optimization Problems. Journal of Optimization Theory and Applications, 202(3), 1187-1216, 10.1007/s10957-024-02481-8.

Hémono P., Nait Chabane A., Sahnoun M., 2025. Multi objective optimization of human–robot collaboration: A case study in aerospace assembly line. Computers and Operations Research, 174, 106874, 10.1016/j.cor.2024.106874.

Herekoğlu A., Kabak Ö., 2024. Crew recovery optimization with deep learning and column generation for sustainable airline operation management. Annals of Operations Research, 342(1), 399-427, 10.1007/s10479-023-05738-z.

Herrera-Arcila C., Martinod R.M., Bistorin O., 2024. Maintenance cost optimisation in critical single-component systems: A technician's training approach based on a joint learning–forgetting and fuzzy maintenance quality model. Computers and Industrial Engineering, 196, 110448, 10.1016/j.cie.2024.110448.

Heumann M., Kraschewski T., Werth O., Breitner M.H., 2024. Reassessing taxonomy-based data clustering: Unveiling insights and guidelines for application. Decision Support Systems, 187, 114344, 10.1016/j.dss.2024.114344.

Hevner A.R., Parsons J., Brendel A.B., Lukyanenko R., Tiefenbeck V., Tremblay M.C., vom Brocke J., 2024. Transparency in design science research. Decision Support Systems, 182, 114236, 10.1016/j.dss.2024.114236.

Hirayama T., Liu Y., Makino K., Shi K., Xu C., 2024. A polynomial time algorithm for finding a minimum 4-partition of a submodular function. Mathematical Programming, 207, 717-732, 10.1007/s10107-023-02029-0.

Hole J., Philpott A.B., Dowson O., 2025. Capacity planning of renewable energy systems using stochastic dual dynamic programming. European Journal of Operational Research, 322(2), 573-588, 10.1016/j.ejor.2024.12.031.

Homayouni S.M., Fontes D.B.M.M., 2025. Optimizing job shop scheduling with speed-adjustable machines and peak power constraints: A mathematical model and heuristic solutions. International Transactions in Operational Research, 32(1), 194-220, 10.1111/itor.13414.

Homsi G., Ayotte-Sauvé É., Jena S.D., 2025. A slope scaling heuristic for the multi-period strategic planning of carbon capture and storage. Computers and Operations Research, 173, 106835, 10.1016/j.cor.2024.106835.

Hong B., Gao W., Yang M., Zhou B., Lu Y., Gong J., Wen K., 2025. Balancing economy, user guarantee, and carbon emissions towards sustainable natural gas pipeline network planning. Computers and Industrial Engineering, 200, 110858, 10.1016/j.cie.2025.110858.

Hong Z., Qu T., Zhang Y., Li M., Huang G.Q., Chen Z., 2024. Digital twin-based cross-enterprise production-delivery synchronization in a highly dynamic environment. Computers and Industrial Engineering, 198, 110680, 10.1016/j.cie.2024.110680.

Hoogendoorn Y.N., Spliet R., 2025. An evaluation of common modeling choices for the vehicle routing problem with stochastic demands. European Journal of Operational Research, 321(1), 107-122, 10.1016/j.ejor.2024.09.007.

Horstmannshoff T., Ehmke J.F., Ulmer M.W., 2024. Dynamic learning-based search for multi-criteria itinerary planning. Omega (United Kingdom), 129, 103159, 10.1016/j.omega.2024.103159.

Hou S., Xiao S., Qu J., Dong W., 2025. Multiscale common-private feature adversarial decoupling network for hyperspectral pansharpening. Knowledge-Based Systems, 310, 113031, 10.1016/j.knosys.2025.113031.

Hsieh C.-C., Rachmawati N.L., Lin Y.-C., 2025. Coordinating remanufacturing efforts for sustainable chemical supply in semiconductor supply chains. Computers and Industrial Engineering, 201, 110895, 10.1016/j.cie.2025.110895.

Hsieh T.-J., 2024. Scenario-based multi-objective optimization for manufacturing reliability with production routes and available machine types. Computers and Industrial Engineering, 198, 110731, 10.1016/j.cie.2024.110731.

Hu Q., Li R., Zhang Y., Zhu Z., 2024. On the Extension of Dai-Liao Conjugate Gradient Method for Vector Optimization. Journal of Optimization Theory and Applications, 203(1), 810-843, 10.1007/s10957-024-02535-x.

Hu S., Jin Y., Qin X., 2025. Blockchain-facilitated quality traceability and pre-sale inspection: Influencing geographical indication supply chain contracts and farmer quality decisions. Computers and Industrial Engineering, 200, 110769, 10.1016/j.cie.2024.110769.

Hu W., He X., Luo L., Pardalos P.M., 2024. A branch-and-price approach for the nurse rostering problem with multiple units. Computers and Industrial Engineering, 198, 110629, 10.1016/j.cie.2024.110629.

Hu X., Kang S., Ren L., Zhu S., 2024. Interactive preference analysis: A reinforcement learning framework. European Journal of Operational Research, 319(3), 983-998, 10.1016/j.ejor.2024.06.033.

Hu Y., Chen D., Zou F., Liu Y., 2025. Automatic channel pruning by neural network based on improved poplar optimisation algorithm. Knowledge-Based Systems, 310, 113002, 10.1016/j.knosys.2025.113002.

Hu Y., Wang M., Guo X., Lukinykh V.F., 2025. Pre-occurrence location-allocation-configuration of maritime emergency resources considering shipborne unmanned aerial vehicle (UAV). Omega (United Kingdom), 131, 103231, 10.1016/j.omega.2024.103231.

Hu Z., Wang F., Tang Y., Wang Z., Yu Z., 2025. Minimizing durations in repetitive projects through adaptive large neighborhood search. Computers and Industrial Engineering, 199, 110751, 10.1016/j.cie.2024.110751.

Huang B., Li X., Hu C., Li H., 2025. Stochastic human motion prediction using a quantized conditional diffusion model. Knowledge-Based Systems, 309, 112823, 10.1016/j.knosys.2024.112823.

Huang D.-H., Huang C.-F., Lin Y.-K., 2024. A reliability prediction model for a multistate cloud/edge-based network based on a deep neural network. Annals of Operations Research, 340(1), 271-287, 10.1007/s10479-022-04931-w.

Huang H., Heuninckx S., Macharis C., 2024. 20 years review of the multi actor multi criteria analysis (MAMCA) framework: a proposition of a systematic guideline. Annals of Operations Research, 343(1), 101884, 10.1007/s10479-024-06357-y.

Huang H., Tsai S.C., Park C., 2025. Probabilistic branch and bound considering stochastic constraints. European Journal of Operational Research, 321(1), 147-159, 10.1016/j.ejor.2024.09.016.

Huang H., Xu Y., Xiang Y., Hao Z., 2024. Correlation-Based Dynamic Allocation Scheme of Fitness Evaluations for Constrained Evolutionary Optimization. IEEE Transactions on Evolutionary Computation, 28(5), 1250-1264, 10.1109/TEVC.2023.3302897.

Huang L., Gong A., 2025. Trigonometric feature learning for RGBD and RGBT image salient object detection. Knowledge-Based Systems, 310, 112935, 10.1016/j.knosys.2024.112935.

Huang N., Qin H., Du Y., Wang L., 2024. An exact algorithm for the multi-trip vehicle routing problem with time windows and multi-skilled manpower. European Journal of Operational Research, 319(1), 31-49, 10.1016/j.ejor.2024.06.025.

Huang P.-Y., Huang Y.-S., 2024. Financing and operational strategies for supply chains with yield uncertainty and capital constraints. Computers and Industrial Engineering, 195, 110417, 10.1016/j.cie.2024.110417.

Huang T., Pedrycz W., Zhang Q., Tang X., Yang S., 2024. Constructing order-2 information granules of linguistic expressions with the aid of the principle of justifiable granularity. European Journal of Operational Research, 318(3), 892-910, 10.1016/j.ejor.2024.04.017.

Huang T., Su Q., Yu C., Zhang Z., Liu F., 2024. Strategic team design for sustainable effectiveness: A data-driven analytical perspective and its implications. Decision Support Systems, 181, 114227, 10.1016/j.dss.2024.114227.

Huang W., Jian S., Rey D., 2024. Non-additive network pricing with non-cooperative mobility service providers. European Journal of Operational Research, 318(3), 802-824, 10.1016/j.ejor.2024.05.042.

Huang X., Yang F., Qi G., Li Y., Zhang R., Zhu Z., 2024. Deep attributed graph clustering with feature consistency contrastive and topology enhanced network. Knowledge-Based Systems, 305, 112634, 10.1016/j.knosys.2024.112634.

Huang Y., Zhou W., Wang Y., Li M., Feng L., Tan K.C., 2024. Evolutionary Multitasking with Centralized Learning for Large-Scale Combinatorial Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 28(5), 1499-1513, 10.1109/TEVC.2023.3323877.

Huang Z., Zhang H., Hao C., Yang H., Wu H., 2024. A cross-domain transfer learning model for author name disambiguation on heterogeneous graph with pretrained language model. Knowledge-Based Systems, 305, 112624, 10.1016/j.knosys.2024.112624.

Huang Z., Zhou Y., Lin Y., Zhao Y., 2024. Resilience evaluation and enhancing for China's electric vehicle supply chain in the presence of attacks: A complex network analysis approach. Computers and Industrial Engineering, 195, 110416, 10.1016/j.cie.2024.110416.

Hüllermeier E., Słowiński R., 2024. Preference learning and multiple criteria decision aiding: differences, commonalities, and synergies—part II. 4OR, 22(3), 313-349, 10.1007/s10288-023-00561-5.

Hung N.C., Chuong T.D., Anh N.L.H., 2024. Optimality and Duality for Robust Optimization Problems Involving Intersection of Closed Sets. Journal of Optimization Theory and Applications, 202(2), 771-794, 10.1007/s10957-024-02447-w.

Hunt M.H.S., Angelopoulos S., 2024. Looking forward through the rear-view mirror: A socio-technical imaginaries perspective for envisioning the Metaverse beyond the hype. Decision Support Systems, 187, 114338, 10.1016/j.dss.2024.114338.

Huo H., Sun R., He H., Ren Z., 2024. A Large-Scale Group Decision-Making Model Considering Expert Authority Degree and Relationship Evolution Under Social Network. Group Decision and Negotiation, 33(4), 839-881, 10.1007/s10726-024-09892-y.

Jain S., Jauhar S.K., Piyush, 2024. A machine-learning-based framework for contractor selection and order allocation in public construction projects considering sustainability, risk, and safety. Annals of Operations Research, 338(1), 225-267, 10.1007/s10479-024-05898-6.

Jansen M., Pierce L., Snyder J., Nguyen H., 2024. Product Sales Incentive Spillovers to the Lending Market: Evidence from Subprime Auto Loan Defaults. Management Science, 70(8), 5463-5480, 10.1287/mnsc.2023.4935.

Janssens B., Bogaert M., Bagué A., Van den Poel D., 2024. B2Boost: instance-dependent profit-driven modelling of B2B churn. Annals of Operations Research, 341(1), 267-293, 10.1007/s10479-022-04631-5.

Jaramillo-Morales M.F., Dogru S., Marques L., 2025. Energy Optimal Speed Profiles for a Differential Drive Mobile Robot with Payload. Journal of Optimization Theory and Applications, 204(2), 17, 10.1007/s10957-024-02590-4.

Jartnillaphand P., Mardaneh E., Bui H.T., 2025. Bilinear branch and check for unspecified parallel machine scheduling with shift consideration. European Journal of Operational Research, 320(1), 35-56, 10.1016/j.ejor.2024.08.011.

Jasso-Fuentes H., Prieto-Rumeau T., 2024. Constrained Markov Decision Processes with Non-constant Discount Factor. Journal of Optimization Theory and Applications, 202(2), 897-931, 10.1007/s10957-024-02453-y.

Jero J.R.A., Misbha D.S., 2025. CDNA-CCS: Splitting and compression based chaotic-DNA cryptography framework for cloud computing security. Knowledge-Based Systems, 309, 112812, 10.1016/j.knosys.2024.112812.

Jha K., Saha S., Dutta P., 2024. Incorporation of gene ontology in identification of protein interactions from biomedical corpus: a multi-modal approach. Annals of Operations Research, 339(3), 1793-1811, 10.1007/s10479-022-04527-4.

Ji S., Wang Z., Yan J., 2025. A Multi-Type data driven framework for solving flexible job shop scheduling problem considering multiple production resource states. Computers and Industrial Engineering, 200, 110835, 10.1016/j.cie.2024.110835.

Jiang P., Liu J., Cheng Y., 2024. Bi-Population-Enhanced Cooperative Differential Evolution for Constrained Large-Scale Optimization Problems. IEEE Transactions on Evolutionary Computation, 28(6), 1620-1632, 10.1109/TEVC.2023.3325004.

Jiang S., Huang M., Liu Y., Zhang Y., Wang X., 2025. Capacity planning to cope with demand surges in fourth-party logistics networks under chance-constrained service levels. Computers and Operations Research, 176, 106956, 10.1016/j.cor.2024.106956.

Jiang S., Liu Q., Wu L., Zhang Y., Deveci M., Chen Z.-S., 2024. A distributionally robust optimization approach for the potassium fertilizer product transportation considering transshipment through crossdocks. Computers and Operations Research, 171, 106788, 10.1016/j.cor.2024.106788.

Jiang S., Zhou W., Guo Y., Xiong H., 2025. Multiple financial analyst opinions aggregation based on uncertainty-aware quality evaluation. European Journal of Operational Research, 320(3), 720-738, 10.1016/j.ejor.2024.08.024.

Jiang S.-L., 2025. A soft encoding-based evolutionary algorithm for the steelmaking scheduling problem and its extension under energy thresholds. Computers and Operations Research, 174, 106885, 10.1016/j.cor.2024.106885.

Jiang Z., Liu Z., Zhou Z., Huang Y., Li J., 2025. Operations routing and scheduling problem: Concept, graphing and notation systems. Computers and Operations Research, 177, 106992, 10.1016/j.cor.2025.106992.

Jin C., Duan Y., Zhou L., Li F., 2024. Cross-domain recommender system with embedding- and mapping-based knowledge correlation. Knowledge-Based Systems, 304, 112514, 10.1016/j.knosys.2024.112514.

Jin L., Yang Y., Chen Z.-S., Deveci M., Mesiar R., 2025. Uncertainty merging with basic uncertain information in probability environment. Fuzzy Sets and Systems, 498, 109153, 10.1016/j.fss.2024.109153.

Jin S., Tao J., Lai M., Hu Q., 2025. Scheduling multi-skill technicians and reassignable tasks in a cloud computing company. European Journal of Operational Research, 321(3), 717-733, 10.1016/j.ejor.2024.09.050.

Jin T., 2025. Contracting for system availability with zero ownership cost via redundancy, maintenance and repairable inventory. International Journal of Production Economics, 281, 109531, 10.1016/j.ijpe.2025.109531.

Jin W., Cao M., Gai T., Fang J., Zhou M., Wu J., 2024. A Group FMEA Technique for LNG Carriers Risk Evaluation with Personalized Individual Semantics. Group Decision and Negotiation, 33(5), 917-950, 10.1007/s10726-023-09866-6.

Jin Y., Liu J., Chen S., 2025. Multi-LoRA continual learning based instruction tuning framework for universal information extraction. Knowledge-Based Systems, 308, 112750, 10.1016/j.knosys.2024.112750.

Johnn S.-N., Darvariu V.-A., Handl J., Kalcsics J., 2024. A Graph Reinforcement Learning Framework for Neural Adaptive Large Neighbourhood Search. Computers and Operations Research, 172, 106791, 10.1016/j.cor.2024.106791.

Joshi R., Basu S., Rosales C., Adhikari A., 2024. Influenza vaccine contracts in developing nations—Coordination, flexibility, and vaccine coverage. Decision Sciences, 55(5), 436-455, 10.1111/deci.12615.

Jovanovic R., Voß S., 2024. Matheuristic fixed set search applied to the multidimensional knapsack problem and the knapsack problem with forfeit sets. OR Spectrum, 46(4), 1329-1365, 10.1007/s00291-024-00746-2.

Jubiz-Diaz M., Santander-Mercado A., Granadillo-Diaz C., 2025. A multi-item flexible-packaging model to minimise the cost of lost units and CO2 emissions for flexible flow shop scheduling. Computers and Industrial Engineering, 200, 110806, 10.1016/j.cie.2024.110806.

KabirMamdouh A., Kök A.G., 2025. A personalized content-based method to predict customers' preferences in an online apparel retailer. International Journal of Production Economics, 280, 109487, 10.1016/j.ijpe.2024.109487.

Kadziński M., Wójcik M., Ghaderi M., 2025. From investigation of expressiveness and robustness to a comprehensive value-based framework for multiple criteria sorting problems. Omega (United Kingdom), 131, 103203, 10.1016/j.omega.2024.103203.

Kamdjoug J.R.K., Sando H.D., Kala J.R., Teutio A.O.N., Tiwari S., Wamba S.F., 2024. Data analytics-based auditing: a case study of fraud detection in the banking context. Annals of Operations Research, 340, 1161-1188, 10.1007/s10479-024-06129-8.

Kamyabniya A., Sauré A., Salman F.S., Bénichou N., Patrick J., 2024. Optimization models for disaster response operations: a literature review. OR Spectrum, 46(3), 737-783, 10.1007/s00291-024-00750-6.

Kao C., Liu S.-T., 2025. A compromise solution approach for efficiency measurement with shared input: The case of tourist hotels in Taiwan. European Journal of Operational Research, 321(3), 895-906, 10.1016/j.ejor.2024.10.024.

Karabaş T., Tural M.K., 2025. Energy-constrained orienteering problem for green tourist trip design: Mathematical formulation and heuristic solution approaches. Computers and Industrial Engineering, 200, 110853, 10.1016/j.cie.2024.110853.

Karaca T.K., 2025. Dynamic nested column and row generation for the Skiving Stock Problem under uncertain demand. Computers and Industrial Engineering, 201, 110880, 10.1016/j.cie.2025.110880.

Karademir C., Beirigo B.A., Atasoy B., 2025. A two-echelon multi-trip vehicle routing problem with synchronization for an integrated water- and land-based transportation system. European Journal of Operational Research, 322(2), 480-499, 10.1016/j.ejor.2024.10.047.

Karagiannis R., Karagiannis G., 2025. Distance-based weighting methods for composite indicators, with applications related to energy sustainability. International Transactions in Operational Research, 32(1), 478-501, 10.1111/itor.13287.

Karakutuk S.S., Akpinar S., Ornek M.A., 2024. A two-stage real world serial batching scheduling problem: a case study. Journal of the Operational Research Society, 75(12), 2392-2403, 10.1080/01605682.2024.2320385.

Karanam M., Krishnanand L., Manupati V.K., 2025. Quantifying performance indicators in perishable food supply chain networks: Assessing dynamic performance under ripple effects. Computers and Industrial Engineering, 201, 110873, 10.1016/j.cie.2025.110873.

Karas Celik A., Ozcelik F., 2025. Assembly line rebalancing problem with human-robot collaboration and a hyper-matheuristic solution approach. Computers and Industrial Engineering, 200, 110795, 10.1016/j.cie.2024.110795.

Karsu Ö., Elver İ.E., Kınık T.A., 2025. Finding robustly fair solutions in resource allocation. Omega (United Kingdom), 131, 103208, 10.1016/j.omega.2024.103208.

Kasapidis G.A., Paraskevopoulos D.C., Mourtos I., Repoussis P.P., 2025. A unified solution framework for flexible job shop scheduling problems with multiple resource constraints. European Journal of Operational Research, 320(3), 479-495, 10.1016/j.ejor.2024.08.010.

Katsafados A.G., Anastasiou D., 2024. Short-term prediction of bank deposit flows: do textual features matter?. Annals of Operations Research, 338, 947-972, 10.1007/s10479-024-06048-8.

Kazemdehbashi S., Liu Y., 2025. An algorithm with exact bounds for coverage path planning in UAV-based search and rescue under windy conditions. Computers and Operations Research, 173, 106822, 10.1016/j.cor.2024.106822.

Ke A., Huang Y., Yang J., Cai B., 2024. Text-guided image-to-sketch diffusion models. Knowledge-Based Systems, 304, 112441, 10.1016/j.knosys.2024.112441.

Kerk Y.W., Jong C.H., Chang W.L., Tan C.J., Tay K.M., Lim C.P., 2025. Designing monotone Takagi-Sugeno-Kang fuzzy inference systems with new joint sufficient conditions. Fuzzy Sets and Systems, 502, 109217, 10.1016/j.fss.2024.109217.

Kerstens K., Azadi M., Kazemi Matin R., Farzipoor Saen R., 2024. Double hedonic price-characteristics frontier estimation for IoT service providers in the industry 5.0 era: A nonconvex perspective accommodating ratios. European Journal of Operational Research, 319(1), 222-233, 10.1016/j.ejor.2024.05.047.

Keshvarparast A., Berti N., Chand S., Guidolin M., Lu Y., Battaia O., Xu X., Battini D., 2024. Ergonomic design of Human-Robot collaborative workstation in the Era of Industry 5.0. Computers and Industrial Engineering, 198, 110729, 10.1016/j.cie.2024.110729.

Keshvarparast A., Katiraee N., Finco S., Calzavara M., 2025. Integrating collaboration scenarios and workforce individualization in collaborative assembly line balancing. International Journal of Production Economics, 279, 109450, 10.1016/j.ijpe.2024.109450.

Keyvandarian A., Saif A., 2024. An Adaptive Distributionally Robust Optimization Approach for Optimal Sizing of Hybrid Renewable Energy Systems. Journal of Optimization Theory and Applications, 203(2), 2055-2082, 10.1007/s10957-024-02518-y.

Khadivi M., Charter T., Yaghoubi M., Jalayer M., Ahang M., Shojaeinasab A., Najjaran H., 2025. Deep reinforcement learning for machine scheduling: Methodology, the state-of-the-art, and future directions. Computers and Industrial Engineering, 200, 110856, 10.1016/j.cie.2025.110856.

Khalili-Fard A., Sabouhi F., Bozorgi-Amiri A., 2024. Data-driven robust optimization for a sustainable steel supply chain network design: Toward the circular economy. Computers and Industrial Engineering, 195, 110408, 10.1016/j.cie.2024.110408.

Khan J., Ishizaka A., Babai M.Z., 2025. Enhancing multi-criteria inventory classification: Resolving boundary issues with VIKOR-Fuzzy Sorting. International Journal of Production Economics, 281, 109526, 10.1016/j.ijpe.2025.109526.

Khanduzi R., Sadati İ., Akbari V., 2024. A bilevel hierarchical covering model to protect a healthcare network against failures. Operational Research, 24(4), 61, 10.1007/s12351-024-00870-5.

Khanmohammadi E., Azizi M., Talaie H., Ecer F., Tirkolaee E.B., 2024. A novel hybrid decision-making framework based on modified fuzzy analytic network process and fuzzy best–worst method. Operational Research, 24(4), 54, 10.1007/s12351-024-00863-4.

Khassiba A., 2025. An efficient backtracking heuristic for the resource allocation problem with compatibility and exclusivity constraints. Journal of Heuristics, 31(1), 1-29, 10.1007/s10732-024-09538-x.

Kheybari S., Mehrpour M.R., Bauer P., Ishizaka A., 2024. How Can Risk-Averse and Risk-Taking Approaches be Considered in a Group Multi-Criteria Decision-Making Problem?. Group Decision and Negotiation, 33(4), 883-909, 10.1007/s10726-024-09895-9.

Khooban Z., Mutlu N., Kok T.D., 2025. Logistics service sharing in cross-border e-commerce. International Journal of Production Economics, 279, 109460, 10.1016/j.ijpe.2024.109460.

Khoshsirat M., Mousavi S.M., 2024. A new proactive and reactive approach for resource-constrained project scheduling problem under activity and resource disruption: a scenario-based robust optimization approach. Annals of Operations Research, 338(1), 597-643, 10.1007/s10479-024-05895-9.

Kilgour D.M., Vetschera R., 2024. Two-Person Fair Division with Additive Valuations. Group Decision and Negotiation, 33(4), 745-774, 10.1007/s10726-024-09885-x.

Kim J., Manna A., Roy A., Moon I., 2025. Clustered vehicle routing problem for waste collection with smart operational management approaches. International Transactions in Operational Research, 32(2), 863-887, 10.1111/itor.13282.

Kim S.H., Chung B.D., 2024. Integrated food delivery problem considering both single-order and multiple order deliveries. Computers and Industrial Engineering, 196, 110458, 10.1016/j.cie.2024.110458.

Kiszka A., Wozabal D., 2025. Stochastic dual dynamic programming for optimal power flow problems under uncertainty. European Journal of Operational Research, 321(3), 814-836, 10.1016/j.ejor.2024.09.045.

Kivikangas J.M., Vilkkumaa E., Blank J., Harjunen V., Malo P., Deb K., Ravaja N.J., Wallenius J., 2025. Effects of many conflicting objectives on decision-makers' cognitive burden and decision consistency. European Journal of Operational Research, 322(1), 182-197, 10.1016/j.ejor.2024.10.039.

Kling S., Kraul S., Brunner J.O., 2024. Customized GRASP for rehabilitation therapy scheduling with appointment priorities and accounting for therapist satisfaction. OR Spectrum, 46(3), 821-872, 10.1007/s00291-023-00742-y.

Kondratev A.Y., Ianovski E., Nesterov A.S., 2024. How Should We Score Athletes and Candidates: Geometric Scoring Rules. Operations Research, 72(6), 2507-2525, 10.1287/opre.2023.2473.

Kong F., Jiang B., 2024. Delivery optimization for collaborative truck–drone routing problem considering vehicle obstacle avoidance. Computers and Industrial Engineering, 198, 110659, 10.1016/j.cie.2024.110659.

Koreis J., 2025. Human–robot vs. human–manual teams: Understanding the dynamics of experience and performance variability in picker-to-parts order picking. Computers and Industrial Engineering, 200, 110750, 10.1016/j.cie.2024.110750.

Koreis J., Loske D., Klumpp M., Glock C.H., 2025. We belong together - A system-level investigation regarding AGV-assisted order picking performance. International Journal of Production Economics, 282, 109527, 10.1016/j.ijpe.2025.109527.

Korekane S., Nishi T., Tierney K., Liu Z., 2024. Neural network assisted branch and bound algorithm for dynamic berth allocation problems. European Journal of Operational Research, 319(2), 531-542, 10.1016/j.ejor.2024.06.040.

Kou G., Yüksel S., Dinçer H., A.Hefni M., 2024. Integrated approach for sustainable development and investment goals: analyzing environmental issues in European economies. Annals of Operations Research, 342(1), 429-475, 10.1007/s10479-023-05679-7.

Kraul S., Erhard M., Brunner J.O., 2024. Optimizing physician schedules with resilient break assignments. Omega (United Kingdom), 129, 103154, 10.1016/j.omega.2024.103154.

Krivulin N., Gubanov S., 2024. Algebraic solution of project scheduling problems with temporal constraints. Operational Research, 24(4), 69, 10.1007/s12351-024-00880-3.

Kucukoglu I., Vansteenwegen P., Cattrysse D., 2024. The traveling purchaser problem for perishable foods. Computers and Industrial Engineering, 195, 110424, 10.1016/j.cie.2024.110424.

Kumar A., Choi T.-M., Wamba S.F., Gupta S., Tan K.H., 2024. Infection vulnerability stratification risk modelling of COVID-19 data: a deterministic SEIR epidemic model analysis. Annals of Operations Research, 339(3), 1177-1203, 10.1007/s10479-021-04091-3.

Kumar D., Soni G., Mangla S.K., Kazancoglu Y., Rathore A.P.S., 2025. A machine learning-based hybrid approach for maximizing supply chain reliability in a pharmaceutical supply chain. Computers and Industrial Engineering, 200, 110834, 10.1016/j.cie.2024.110834.

Kumar D., Soni G., Mangla S.K., Liao J., Rathore A.P.S., Kazancoglu Y., 2024. Integrating resilience and reliability in semiconductor supply chains during disruptions. International Journal of Production Economics, 276, 109376, 10.1016/j.ijpe.2024.109376.

Kwon S., Choi H., Park S., 2025. Deep learning based high accuracy heuristic approach for knapsack interdiction problem. Computers and Operations Research, 176, 106965, 10.1016/j.cor.2024.106965.

La Torre D., Liuzzi D., Repetto M., Rocca M., 2024. Enhancing deep learning algorithm accuracy and stability using multicriteria optimization: an application to distributed learning with MNIST digits. Annals of Operations Research, 339, 455-475, 10.1007/s10479-022-04833-x.

Lagos T., Choi J., Segundo B., Gan J., Ntaimo L., Prokopyev O.A., 2025. Bilevel optimization approach for fuel treatment planning. European Journal of Operational Research, 320(1), 205-218, 10.1016/j.ejor.2024.07.014.

Lammel I., Küfer K.-H., Süss P., 2024. An approximation algorithm for multiobjective mixed-integer convex optimization. Mathematical Methods of Operations Research, 100(1), 321-350, 10.1007/s00186-024-00870-3.

Laporte G., 2024. Fifty years of operational research: 1972–2022. European Journal of Operational Research, 319(2), 347-360, 10.1016/j.ejor.2023.05.038.

Larrain B., Roosenboom P., Sertsios G., Urzúa F., 2024. Ownership Concentration and Firm Value: New Evidence from Owner Stakes in IPOs. Management Science, 70(7), 4441-4464, 10.1287/mnsc.2021.01039.

Larranaga P., Bielza C., 2024. Estimation of Distribution Algorithms in Machine Learning: A Survey. IEEE Transactions on Evolutionary Computation, 28(5), 1301-1321, 10.1109/TEVC.2023.3314105.

Latorre P., López-Ospina H., Maldonado S., Guevara C.A., Pérez J., 2024. Designing employee benefits to optimize turnover: A prescriptive analytics approach. Computers and Industrial Engineering, 197, 110582, 10.1016/j.cie.2024.110582.

Laxmi S., Gupta S.K., Kumar S., 2024. Intuitionistic fuzzy least square twin support vector machines for pattern classification. Annals of Operations Research, 339(3), 1329-1378, 10.1007/s10479-022-04626-2.

Le M.-H., Lu W.-M., 2024. An integrated multiple objective decision making approach for exploring the competitiveness of pharmaceutical multinational enterprises. Annals of Operations Research, 341(1), 401-426, 10.1007/s10479-022-04743-y.

Lee C.-Y., Li Y.-W., Chang C.-C., 2025. Multi-agent reinforcement learning for chiller system prediction and energy-saving optimization in semiconductor manufacturing. International Journal of Production Economics, 280, 109488, 10.1016/j.ijpe.2024.109488.

Lee J., Chua P.C., Liu B., Moon S.K., Lopez M., 2025. A hybrid data-driven optimization and decision-making approach for a digital twin environment: Towards customizing production platforms. International Journal of Production Economics, 279, 109447, 10.1016/j.ijpe.2024.109447.

Lee J., Kim B.-I., Choi J.H., 2024. Matheuristic algorithm for dock planning problems considering tandem and parallel methods in the shipbuilding industry. Computers and Industrial Engineering, 196, 110472, 10.1016/j.cie.2024.110472.

Lee J.S., Chung B.D., 2025. Closed-loop supply chain design considering quantity-dependent price and decentralized local waste management. Omega (United Kingdom), 132, 103232, 10.1016/j.omega.2024.103232.

Lee M., Lee K., Pinedo M., 2025. The circular balancing problem. European Journal of Operational Research, 321(1), 41-56, 10.1016/j.ejor.2024.08.020.

Lee S., Choi C., Son Y., 2024. Deep time-series clustering via latent representation alignment. Knowledge-Based Systems, 303, 112434, 10.1016/j.knosys.2024.112434.

Lee Y.-C., Peng C.-H., Sia C.-L., Ke W., 2025. Effects of visual-preview and information-sidedness features on website persuasiveness. Decision Support Systems, 188, 114361, 10.1016/j.dss.2024.114361.

Legrand C., Cattaruzza D., Jourdan L., Kessaci M.-E., 2025. Improving neighborhood exploration into MOEA/D framework to solve a bi-objective routing problem. International Transactions in Operational Research, 32(1), 117-143, 10.1111/itor.13373.

Lei Z., Cui L., Tang J., Chen L., Liu B., 2024. Supply chain resilience in the context of I4.0 and I5.0 from a multilayer network ripple effect perspective. Annals of Operations Research, 342(2), 1149-1192, 10.1007/s10479-023-05618-6.

Leitch S., Wei Z., 2024. Improving spatial access to healthcare facilities: an integrated approach with spatial analysis and optimization modeling. Annals of Operations Research, 341, 1057-1074, 10.1007/s10479-024-06028-y.

Leite D., Casalino G., Kaczmarek-Majer K., Castellano G., 2025. Incremental learning and granular computing from evolving data streams: An application to speech-based bipolar disorder diagnosis. Fuzzy Sets and Systems, 500, 109205, 10.1016/j.fss.2024.109205.

Leppinen J., Punkka A., Ekholm T., Salo A., 2025. An optimization model for determining cost-efficient maintenance policies for multi-component systems with economic and structural dependencies. Omega (United Kingdom), 130, 103162, 10.1016/j.omega.2024.103162.

Levorato M., Sotelo D., Figueiredo R., Frota Y., 2024. Efficient solutions to the m-machine robust flow shop under budgeted uncertainty. Annals of Operations Research, 338(1), 765-799, 10.1007/s10479-023-05661-3.

Li A., Yang B., Huo H., Hussain F.K., Xu G., 2025. Self-supervised dual graph learning for recommendation. Knowledge-Based Systems, 310, 112967, 10.1016/j.knosys.2025.112967.

Li B., Zhu W., Gu L., Xu Z., Zhang C., 2024. Multi-stage probabilistic linguistic matching method with the screening mechanism and individual preference relationship fusion. Journal of the Operational Research Society, 75(11), 2219-2240, 10.1080/01605682.2024.2310058.

Li C., Chen X., Yu Y., 2024. Multi-group decision-making approach for evaluating brand collaboration requirements of large-scale manufacturing industrial value chain. Journal of the Operational Research Society, 75(9), 1738-1760, 10.1080/01605682.2023.2274445.

Li G., Duan H., 2025. Robustness assessment of climate policies towards carbon neutrality: A DRO-IAMS approach. Computers and Operations Research, 174, 106879, 10.1016/j.cor.2024.106879.

Li G., Zhao X., Li Y., 2024. Two-stage group ordinal consensus optimization ranking approach considering multiple optimal consistency adjustment solutions. Computers and Industrial Engineering, 198, 110724, 10.1016/j.cie.2024.110724.

Li H., Peng J., Wang X., 2024. An efficient two-stage optimization algorithm for a flexible job shop scheduling problem with worker shift arrangement. Computers and Operations Research, 171, 106785, 10.1016/j.cor.2024.106785.

Li H., Taherkhani G., Alumur S.A., Hewitt M., 2025. Strategic expansion of freight transportation hub networks under demand uncertainty. Omega (United Kingdom), 131, 103196, 10.1016/j.omega.2024.103196.

Li H., Wan F., Gong M., Qin A.K., Wu Y., Xing L., 2024. Privacy-Enhanced Multitasking Particle Swarm Optimization Based on Homomorphic Encryption. IEEE Transactions on Evolutionary Computation, 28(5), 1336-1350, 10.1109/TEVC.2023.3319566.

Li H., Wang F., Xiong H., Wang Z., 2025. Two-echelon van-robot routing problem with sharing-curbside satellites. Journal of Heuristics, 31(1), 1-35, 10.1007/s10732-024-09541-2.

Li H., Wang S., Zhen L., Wang X., 2024. Data-driven optimization for automated warehouse operations decarbonization. Annals of Operations Research, 343(3), 1129-1156, 10.1007/s10479-022-04972-1.

Li H., Zhu H., Zheng L., Xie F., 2024. Software project scheduling under activity duration uncertainty. Annals of Operations Research, 338(1), 477-512, 10.1007/s10479-023-05343-0.

Li J., Cang L., Wu Y., Zhang Z., 2025. Two-echelon collaborative many-to-many pickup and delivery problem for agricultural wholesale markets with workload balance. Omega (United Kingdom), 130, 103164, 10.1016/j.omega.2024.103164.

Li J., Li J., Xu Y., 2025. HGNP: A PCA-based heterogeneous graph neural network for a family distributed flexible job shop. Computers and Industrial Engineering, 200, 110855, 10.1016/j.cie.2024.110855.

Li J., Niu L.-L., Chen Q., Li M., 2025. Consistency and consensus checking and improving methods for group decision-making with hesitant fuzzy preference relations. Journal of the Operational Research Society, 76(1), 137-154, 10.1080/01605682.2024.2333317.

Li J., Wang H., Mu Z., Li Y., Du Y., 2025. A new reliability allocation method for mechanical systems considering parts recycling and performance stability. Computers and Industrial Engineering, 200, 110792, 10.1016/j.cie.2024.110792.

Li J., Zhang Z., Song D., Yang B., Zhou L., 2025. Cruise onboard itinerary planning for multi passengers with service venue capacity and time-window constraints. Computers and

Operations Research, 176, 106944, 10.1016/j.cor.2024.106944.

Li K., Chen R., Yao X., 2024. A Data-Driven Evolutionary Transfer Optimization for Expensive Problems in Dynamic Environments. IEEE Transactions on Evolutionary Computation, 28(5), 1396-1411, 10.1109/TEVC.2023.3307244.

Li K., Yao S., Li Y., Tang F., Wang Z., 2025. Deliberate shortage in live-streaming commerce. Omega (United Kingdom), 131, 103201, 10.1016/j.omega.2024.103201.

Li L., Liu Y., Jin Y., Cheng T.C.E., Zhang Q., 2024. Generative AI-enabled supply chain management: The critical role of coordination and dynamism. International Journal of Production Economics, 277, 109388, 10.1016/j.ijpe.2024.109388.

Li N., Li G., Xue J., 2025. Does ESG protect firms equally during crises? The role of supply chain concentration. Omega (United Kingdom), 130, 103171, 10.1016/j.omega.2024.103171.

Li N., Liu J., 2024. Global supply chain flow planning for Chinese manufacturing under the BRI: An SFG-DRO method. Computers and Industrial Engineering, 197, 110605, 10.1016/j.cie.2024.110605.

Li N., Wang Z., 2025. Vehicle routing problem for omnichannel retailing including multiple types of time windows and products. Computers and Operations Research, 173, 106828, 10.1016/j.cor.2024.106828.

Li S., Han L., Wang Y., Pu Y., Zhu J., Li J., 2024. Contrastive clustering based on generalized bias-variance decomposition. Knowledge-Based Systems, 305, 112601, 10.1016/j.knosys.2024.112601.

Li S., Zhuang Y., Zu Y., Liu L., Fan T., 2024. Robust cooperative hub location optimization considering demand uncertainty and hub disruptions. Computers and Industrial Engineering, 197, 110591, 10.1016/j.cie.2024.110591.

Li X., Guo X., Chen G., 2025. Integrating direct and indirect views for group recommendation: An inter- and intra-view contrastive learning method. Decision Support Systems, 189, 114380, 10.1016/j.dss.2024.114380.

Li X., Zheng Z., 2024. Dynamic Pricing with External Information and Inventory Constraint. Management Science, 70(9), 5985-6001, 10.1287/mnsc.2023.4963.

Li X., Zhou W., Haq A.U., Khan S., 2025. LDPMF: Local differential privacy enhanced matrix factorization for advanced recommendation. Knowledge-Based Systems, 309, 112892, 10.1016/j.knosys.2024.112892.

Li Y., Gong W., Li S., 2024. Multitask Evolution Strategy With Knowledge-Guided External Sampling. IEEE Transactions on Evolutionary Computation, 28(6), 1733-1745, 10.1109/TEVC.2023.3330265.

Li Y., Li F., Li Q., Zhang P., 2025. Battery swapping station location routing problem: A Cooperative Business Model. Computers and Industrial Engineering, 200, 110775, 10.1016/j.cie.2024.110775.

Li Y., Lin W., Dong Y., Li C.-C., Herrera F., 2024. Consensus Reaching with Dynamic Trust Relationships and Cost-Learning in Group Decision Making. Group Decision and Negotiation, 33(5), 1269-1300, 10.1007/s10726-024-09893-x.

Li Y., Vong C.-M., Chen C.L.P., Wang S., 2025. Analytical selection of hidden parameters through expanded enhancement matrix stability for functional-link neural networks and broad learning systems. Knowledge-Based Systems, 310, 112923, 10.1016/j.knosys.2024.112923.

Li Y., Wang W., Hashikami H., Shigeno M., 2024. Optimizing long-term carpooling with fairness: A collaborative Jaya algorithm. Computers and Industrial Engineering, 198, 110663, 10.1016/j.cie.2024.110663.

Li Z., Wang K., Xue C., Li H., Todo Y., Lei Z., Gao S., 2024. Differential evolution with ring sub-population architecture for optimization. Knowledge-Based Systems, 305, 112590, 10.1016/j.knosys.2024.112590.

Li Z., Zhang Z., Pedrycz W., 2025. Integrating machine learning models to learn potentially non-monotonic preferences for multi-criteria sorting from large-scale assignment examples. Omega (United Kingdom), 131, 103219, 10.1016/j.omega.2024.103219.

Liang D., Li F., Chen X., 2024. Failure mode and effect analysis by exploiting text mining and multi-view group consensus for the defect detection of electric vehicles in social media data. Annals of Operations Research, 340(1), 289-324, 10.1007/s10479-023-05649-z.

Liang J., Hu Z., Li Z.-W., Qiao K., Guo W.-F., 2024. Multiobjective Optimization-Based Network Control Principles for Identifying Personalized Drug Targets with Cancer. IEEE Transactions on Evolutionary Computation, 28(5), 1322-1335, 10.1109/TEVC.2023.3303958.

Liang X., Zhu K., Xiao A., Wen Y., Zhang K., Wang S., Jian L., 2025. ROPU: A robust online positive-unlabeled learning algorithm. Knowledge-Based Systems, 309, 112808, 10.1016/j.knosys.2024.112808.

Liang Y., Qin J., Ishizaka A., 2025. Assessment of digital economy development with the new multicriteria sorting method: DCMSort. Omega (United Kingdom), 132, 103224, 10.1016/j.omega.2024.103224.

Liang Y., Qin J., Pedrycz W., 2025. Minimum cost consensus model considering dual behavior preference. Computers and Operations Research, 176, 106961, 10.1016/j.cor.2024.106961.

Liang Z., Zhao K., Liang G., Wu Y., Guo J., 2024. ACFL: Communication-Efficient adversarial contrastive federated learning for medical image segmentation. Knowledge-Based Systems, 304, 112516, 10.1016/j.knosys.2024.112516.

Liao Z., Tantai B., Abdul-Hamid A.-Q., Mukhtar D., Ali M.H., 2025. Exploring resilience in the downstream supply chain of the semiconductor industry: The mediating roles of risk mitigation, process simplification, and flexibility. International Journal of Production Economics, 281, 109530, 10.1016/j.ijpe.2025.109530.

Lin D.-Y., Kong Y.-J., Ng M., 2024. The double stack railcar allocation problem at marine container terminals. Journal of the Operational Research Society, 75(10), 2008-2017, 10.1080/01605682.2023.2294861.

Lin J., Chen Q., Xue B., Zhang M., 2024. Evolutionary Multitasking for Multiobjective Feature Selection in Classification. IEEE Transactions on Evolutionary Computation, 28(6), 1852-1866, 10.1109/TEVC.2023.3338740.

Lin N., Kanellopoulos A., Akkerman R., Zhang J., Ruan J., 2025. Vehicle routing in precooling logistics with dynamic temperature-dependent product quality decay. European

Journal of Operational Research, 321(2), 407-427, 10.1016/j.ejor.2024.09.041.

Lin S.-W., Lo H.-W., 2024. An FMEA model for risk assessment of university sustainability: using a combined ITARA with TOPSIS-AL approach based neutrosophic sets. Annals of Operations Research, 342(3), 2119-2145, 10.1007/s10479-023-05250-4.

Lin S.-W., Lu W.-M., 2024. Efficiency assessment of public sector management and culture-led urban regeneration using the enhanced Russell-based directional distance function with stochastic data. Journal of the Operational Research Society, 75(8), 1624-1642, 10.1080/01605682.2023.2267080.

Lin X., Li Y., Jia C., Zu B., Zhu W., 2025. Attention-based Graph Clustering Network with Dual Information Interaction. Knowledge-Based Systems, 310, 112928, 10.1016/j.knosys.2024.112928.

Lin Z., Li Y., Qian Q., Huang F., Zhang X., Zhang T., Wang W., 2024. Construction of an improved semi-physical simulation system for UAV with integrated energy-consumption prediction model and its evaluation of the path planning algorithms in mountainous scenery. Computers and Industrial Engineering, 197, 110601, 10.1016/j.cie.2024.110601.

Lin Z., Xu X., Demir E., Laporte G., 2025. Optimizing task assignment and routing operations with a heterogeneous fleet of unmanned aerial vehicles for emergency healthcare services. Computers and Operations Research, 174, 106890, 10.1016/j.cor.2024.106890.

Liu C., Nie Q., 2025. A blockchain-based LLM-driven energy-efficient scheduling system towards distributed multi-agent manufacturing scenario of new energy vehicles within the circular economy. Computers and Industrial Engineering, 201, 110889, 10.1016/j.cie.2025.110889.

Liu C.-W., Wang W., Gao G., Agarwal R., 2024. The Value of Virtual Engagement: Evidence from a Running Platform. Management Science, 70(9), 6179-6201, 10.1287/mnsc.2023.4945.

Liu D., Leibowicz B.D., Bard J.F., Zhu Y., Guo Y., Shao Y., 2025. Optimal investment planning for production networks with fixed production profiles. Computers and Operations Research, 176, 106955, 10.1016/j.cor.2024.106955.

Liu F., Lee C.K.M., Xu M., 2025. Electric vehicle supply chain investment under demand uncertainty: A jointly held real options perspective. Computers and Industrial Engineering, 200, 110840, 10.1016/j.cie.2024.110840.

Liu F., Li C., Wu B., 2025. Community-oriented multi-scale heterogeneous community detection using weighted positives and debiased negatives. Knowledge-Based Systems, 310, 112934, 10.1016/j.knosys.2024.112934.

Liu G., 2025. On some types of reduction for families of fuzzy sets. Fuzzy Sets and Systems, 503, 109248, 10.1016/j.fss.2024.109248.

Liu G., Xie Y., Wang H., 2025. Customer order scheduling on a serial-batch machine in precast bridge construction. Computers and Operations Research, 173, 106871, 10.1016/j.cor.2024.106871.

Liu H., Yuan D., Zhang B., 2025. Decentralized Online Strongly Convex Optimization with General Compressors and Random Disturbances. Journal of Optimization Theory and Applications, 204(1), 6, 10.1007/s10957-024-02595-z.

Liu H.-C., Wang J.-H., Zhang L., Chen Q.-Y., 2024. An integrated model for occupational health and safety risk assessment based on probabilistic linguistic information and social network consensus analysis. Journal of the Operational Research Society, 75(7), 1308-1324, 10.1080/01605682.2023.2242371.

Liu J., Feng Y., Lu C., Fei C., 2024. Knowledge embedding synchronous surrogate modeling for multi-objective operational reliability evaluation of complex mechanical systems. Computers and Industrial Engineering, 196, 110482, 10.1016/j.cie.2024.110482.

Liu L., Ang S., Yang F., Zhang X., 2025. Partner selection for supply chain collaboration: New data envelopment analysis models. Omega (United Kingdom), 132, 103245, 10.1016/j.omega.2024.103245.

Liu L., Urgo M., 2024. Robust scheduling in a two-machine re-entrant flow shop to minimise the value-at-risk of the makespan: branch-and-bound and heuristic algorithms based on Markovian activity networks and phase-type distributions. Annals of Operations Research, 338(1), 741-764, 10.1007/s10479-023-05647-1.

Liu P., Wang G., 2024. Two-dimensional warranty policy design with the consideration of protection term. International Journal of Production Economics, 276, 109350, 10.1016/j.ijpe.2024.109350.

Liu P., Xu H., Xu K., 2025. A new DEA model for slacks-based measure of efficiency and super-efficiency with strongly efficient projections. International Transactions in Operational Research, 32(2), 1033-1063, 10.1111/itor.13342.

Liu Q., Liu H., Lan Q., Li K., Huang C., Yang X., 2025. Domain knowledge-guided intelligent recognition of multi-type potential landslides. Knowledge-Based Systems, 310, 112979, 10.1016/j.knosys.2025.112979.

Liu Q., Wei X., Wang Q., Song J., Lv J., Liu Y., Tang O., 2024. An investigation of mixed-model assembly line balancing problem with uncertain assembly time in remanufacturing. Computers and Industrial Engineering, 198, 110676, 10.1016/j.cie.2024.110676.

Liu S., Ding R., Wang L., 2024. An adaptive simulation based decision support approach to respond risk propagation in new product development projects. Decision Support Systems, 183, 114270, 10.1016/j.dss.2024.114270.

Liu S., Vicente L.N., 2024. The stochastic multi-gradient algorithm for multi-objective optimization and its application to supervised machine learning. Annals of Operations Research, 339(3), 1119-1148, 10.1007/s10479-021-04033-z.

Liu S., Yao W., Wang H., Peng W., Yang Y., 2024. Rapidly Evolving Soft Robots via Action Inheritance. IEEE Transactions on Evolutionary Computation, 28(6), 1674-1688, 10.1109/TEVC.2023.3327459.

Liu S., Zhang H., Pang H., 2025. Adaptive fuzzy fixed-time control for uncertain switched nonlinear systems with non-symmetrical dead-zone. Fuzzy Sets and Systems, 498, 109119, 10.1016/j.fss.2024.109119.

Liu W., Zhang J., Vanhoucke M., Guo W., 2025. Resource allocation models and heuristics for the multi-project scheduling with global resource transfers and local resource constraints. Computers and Industrial Engineering, 200, 110843, 10.1016/j.cie.2024.110843.

Liu X., Ren P., Xu Z., Xie W., 2025. Evolutive multi-attribute decision making with online consumer reviews. Omega (United Kingdom), 131, 103225, 10.1016/j.omega.2024.103225.

Liu X.-F., Zhan Z.-H., Zhang J., 2024. Transfer-Based Particle Swarm Optimization for Large-Scale Dynamic Optimization With Changing Variable Interactions. IEEE Transactions on Evolutionary Computation, 28(6), 1633-1643, 10.1109/TEVC.2023.3326327.

Liu Y., Chen J., Yang J., Du C., Du X., 2024. Uncertainty-aware online deadline-constrained scheduling of parallel applications in distributed heterogeneous systems. Computers and Industrial Engineering, 196, 110450, 10.1016/j.cie.2024.110450.

Liu Y., Gao Z., Cao Y., Zhou D., 2025. Two-stage Unidirectional Fusion Network for RGBT tracking. Knowledge-Based Systems, 310, 112983, 10.1016/j.knosys.2025.112983.

Liu Y., Liu B., Yang H., Luo K., 2025. Optimal production and maintenance strategies for manufacturing/remanufacturing leasing system considering uncertain quality and carbon emission. International Journal of Production Economics, 280, 109489, 10.1016/j.ijpe.2024.109489.

Liu Y., Xu C., Chen L., Yan M., Zhao W., Guan Z., 2024. TABLE: Time-aware Balanced Multi-view Learning for stock ranking. Knowledge-Based Systems, 303, 112424, 10.1016/j.knosys.2024.112424.

Liu Y., Zhou Y., He Z., Yang Y., Han Q., Li J., 2024. Dynamic preference inference network: Improving sample efficiency for multi-objective reinforcement learning by preference estimation. Knowledge-Based Systems, 304, 112512, 10.1016/j.knosys.2024.112512.

Liu Z., Qiu H., Letchmunan S., Deveci M., Abualigah L., 2025. Multi-view evidential c-means clustering with view-weight and feature-weight learning. Fuzzy Sets and Systems, 498, 109135, 10.1016/j.fss.2024.109135.

Liu Z., Wang Y., Feng J., 2025. Identifying supply chain R&D partners via multilayer institutional cooperation network and tailored link prediction. Computers and Industrial Engineering, 201, 110887, 10.1016/j.cie.2025.110887.

Lodi A., Sankaranarayanan S., Wang G., 2024. A framework for fair decision-making over time with time-invariant utilities. European Journal of Operational Research, 319(2), 456-467, 10.1016/j.ejor.2023.11.030.

Long J., Wang N., Zhai J., Liang C., Jiang S., Zhao L., 2024. Data driven multi-objective economic-environmental robust optimization for refinery planning with multiple modes under uncertainty. Computers and Industrial Engineering, 198, 110697, 10.1016/j.cie.2024.110697.

Lotfi R., Kheiri K., Sadeghi A., Babaee Tirkolaee E., 2024. An extended robust mathematical model to project the course of COVID-19 epidemic in Iran. Annals of Operations Research, 339(3), 1499-1523, 10.1007/s10479-021-04490-6.

Lotfi S., Pagliardi G., Paparoditis E., Zenios S.A., 2025. Hedging political risk in international portfolios. European Journal of Operational Research, 322(2), 629-646, 10.1016/j.ejor.2024.10.017.

Lozano S., Contreras I., 2024. Target setting using an enhanced inverse DEA approach: application to Spanish universities. Journal of the Operational Research Society, 75(11), 2138-2154, 10.1080/01605682.2024.2306176.

Lu H., Pei Z., 2024. A distributionally robust approach for the two-machine permutation flow shop scheduling. Annals of Operations Research, 338(1), 709-739, 10.1007/s10479-023-05489-x.

Lu H.-C., Tsai S.C., 2024. Generalized robust goal programming model. European Journal of Operational Research, 319(2), 638-657, 10.1016/j.ejor.2024.06.037.

Lu Q., Chen Y., Zhang X., 2024. Grinding process optimization considering carbon emissions, cost and time based on an improved dung beetle algorithm. Computers and Industrial Engineering, 197, 110600, 10.1016/j.cie.2024.110600.

Lu S., Hu C., Kong M., Fathollahi-Fard A.M., Dulebenets M.A., 2024. Scheduling of memory chips for final testing on parallel machines considering power constraints and deteriorating effects. International Journal of Production Economics, 278, 109413, 10.1016/j.ijpe.2024.109413.

Lu W.-M., Chou C.-H., Ting I.W.K., Liu S.-M., 2025. A New Integrated Approach for Evaluating Sustainable Development in the Electric Vehicle Sector. Omega (United Kingdom), 133, 103247, 10.1016/j.omega.2024.103247.

Lu X., Lu C., 2025. Mixed-production flexible assembly job shop scheduling considering parallel assembly sequence variations under dual-resource constraints using multi-objective hybrid memetic algorithm. Computers and Operations Research, 176, 106932, 10.1016/j.cor.2024.106932.

Lu Y., Lin J., Huang S., Chen J., 2025. On the bullwhip behaviour of a hybrid manufacturing and remanufacturing system under autocorrelated demand and returns. Omega (United Kingdom), 131, 103209, 10.1016/j.omega.2024.103209.

Lucena A., Salles da Cunha A., 2024. Stable set reformulations for the degree preserving spanning tree problem. European Journal of Operational Research, 319(1), 50-61, 10.1016/j.ejor.2024.06.031.

Luo C., Jiang Z., Li X., Yi C., Tucker C., 2024. Choosing to Discover the Unknown: The Effects of Choice on User Attention to Online Video Advertising. Management Science, 70(10), 6983-7003, 10.1287/mnsc.2019.03291.

Luo K., Song Y., Shi Z., Yu Q., Wang G., Shen Y., 2024. A dynamic electric fence planning framework for dockless bike-sharing systems based on inventory prediction. Computers and Industrial Engineering, 198, 110619, 10.1016/j.cie.2024.110619.

Luo S., Xu Z., Zhu B., 2024. A bilateral deliberation mechanism for conflict resolving with multi-actor and multi-criteria. European Journal of Operational Research, 319(1), 234-245, 10.1016/j.ejor.2024.06.028.

Lv B., Jiang J., Wu L., Zhao H., 2024. Team formation in large organizations: A deep reinforcement learning approach. Decision Support Systems, 187, 114343, 10.1016/j.dss.2024.114343.

Lv D.-Y., Wang J.-B., 2024. Considering the peak power consumption problem with learning and deterioration effect in flow shop scheduling. Computers and Industrial Engineering, 197, 110599, 10.1016/j.cie.2024.110599.

Lv S., Xia C., Cheng C., Yan J., Wu X., 2024. Label adversarial domain adaptation network for predicting remaining useful life based on cross-domain condition. Computers and Industrial Engineering, 197, 110542, 10.1016/j.cie.2024.110542.

Lv Z., Qian C., Sun Y., 2024. Benchmarking Analysis of Evolutionary Neural Architecture Search. IEEE Transactions on Evolutionary Computation, 28(6), 1659-1673, 10.1109/TEVC.2023.3324852.

Lyu B., Wu B., Guo S., Gu J.-W., Ching W.-K., 2024. Robust online portfolio optimization with cash flows. Omega (United Kingdom), 129, 103169, 10.1016/j.omega.2024.103169.

Lyu C., Qiu C., Han K., Li S., Sheng V.S., Rong H., Song Y., Liu Y., Liu Z., 2024. Automatic medical report generation combining contrastive learning and feature difference. Knowledge-Based Systems, 305, 112630, 10.1016/j.knosys.2024.112630.

Ma S., Ding W., Zheng Y., Zhou L., Yan Z., Xu J., 2024. Edge-cloud collaboration-driven predictive planning based on LSTM-attention for wastewater treatment. Computers and Industrial Engineering, 195, 110425, 10.1016/j.cie.2024.110425.

Ma X., Che T., Jiang Q., 2025. A three-stage prediction model for firm default risk: An integration of text sentiment analysis. Omega (United Kingdom), 131, 103207, 10.1016/j.omega.2024.103207.

Ma X., Pu X., Fu Y., 2025. Multi-objective integrated harvest and distribution scheduling for fresh agricultural products with farm-to-door requirements using Q-learning and problem knowledge-based cooperative evolutionary algorithms. Computers and Industrial Engineering, 200, 110755, 10.1016/j.cie.2024.110755.

Ma X.-A., Liu H., Liu Y., Zhang J.Z., 2025. Multi-label feature selection considering label importance-weighted relevance and label-dependency redundancy. European Journal of Operational Research, 322(1), 215-236, 10.1016/j.ejor.2024.11.038.

Ma Y., Zhang W., Branke J., 2024. Genetic programming hyper-heuristic for evolving a maintenance policy for wind farms. Journal of Heuristics, 30, 423-451, 10.1007/s10732-024-09533-2.

Ma Y., Zhu Z., Qi Y., Beheshti A., Li Y., Qing L., Li G., 2024. Style-aware two-stage learning framework for video captioning. Knowledge-Based Systems, 301, 112258, 10.1016/j.knosys.2024.112258.

Mahajan A., Singh I., Arora N., 2025. CompoCraft: An expert system for process selection in sustainable composites. Knowledge-Based Systems, 310, 113032, 10.1016/j.knosys.2025.113032.

Makboul S., Olteanu A.-L., Sevaux M., 2025. A multiobjective ε-constraint based approach for the robust master surgical schedule under multiple uncertainties. European Journal of Operational Research, 320(3), 682-698, 10.1016/j.ejor.2024.08.022.

Maleknia M., Soleimani-damaneh M., 2024. An effective subgradient algorithm via Mifflin's line search for nonsmooth nonconvex multiobjective optimization. European Journal of Operational Research, 319(2), 505-516, 10.1016/j.ejor.2024.07.019.

Mamaghani F.F., Çakanyildirim M., 2024. Harvesting Solar Power Foments Prices in a Vicious Cycle: Breaking the Cycle with Price Mechanisms. Operations Research, 72(4), 1505-1525, 10.1287/opre.2021.0756.

Mancini S., Gansterer M., Triki C., 2025. An effective mitigation strategy to hedge against absenteeism of occasional drivers. Computers and Operations Research, 173, 106858, 10.1016/j.cor.2024.106858.

Mao H., Yuan J., 2024. The performance of priority rules for the decentralized resource-constrained multi-project scheduling. Knowledge-Based Systems, 304, 112530, 10.1016/j.knosys.2024.112530.

Mao Z., Yuan R., Shen Z.-J.M., 2025. Strategic interactions between manufacturer channel choice and platform entry in a dual-market system. International Journal of Production Economics, 279, 109462, 10.1016/j.ijpe.2024.109462.

Maristany de las Casas P., Sedeño-Noda A., Borndörfer R., 2025. New Dynamic Programming algorithm for the Multiobjective Minimum Spanning Tree problem. Computers and Operations Research, 173, 106852, 10.1016/j.cor.2024.106852.

Marques L., Clautiaux F., Froger A., 2025. Mathematical models based on decision hypergraphs for designing a storage cabinet. European Journal of Operational Research, 321(1), 57-74, 10.1016/j.ejor.2024.09.022.

Martí R., Parreño F., Mortes J., 2024. Mathematical models and solving methods for diversity and equity optimization. Journal of Heuristics, 30, 291-323, 10.1007/s10732-024-09529-y.

Martin M., Usberti F.L., Lyra C., 2024. Improving reliability with optimal allocation of maintenance resources: an application to power distribution networks. Annals of Operations Research, 340(1), 345-365, 10.1007/s10479-022-05039-x.

Martin-Moro L., Öztürk M., Laufer F., 2025. Structuring the Prison Life Index Through Value Focused Thinking Methodology. Journal of Multi-Criteria Decision Analysis, 32(1), e70003, 10.1002/mcda.70003.

Martín-Santamaría R., López-Ibáñez M., Stützle T., Colmenar J.M., 2024. On the automatic generation of metaheuristic algorithms for combinatorial optimization problems. European Journal of Operational Research, 318(3), 740-751, 10.1016/j.ejor.2024.06.001.

Martín-Suazo S., Morón-López J., Vakaruk S., Karamchandani A., Aguilar J.A.P., Mozo A., Gómez-Canaval S., Vinyals M., Ortiz J.M., 2024. Deep learning methods for multi-horizon long-term forecasting of Harmful Algal Blooms. Knowledge-Based Systems, 301, 112279, 10.1016/j.knosys.2024.112279.

Martos-Barrachina F., Delgado-Antequera L., Hernández M., 2025. A novel cost-palatability bi-objective approach to the menu planning problem with an innovative similarity metric using a path relinking algorithm. Journal of the Operational Research Society, 76(1), 73-85, 10.1080/01605682.2024.2326188.

Masmoudi M., Euchi J., Siarry P., 2024. Home healthcare routing and scheduling: operations research approaches and contemporary challenges. Annals of Operations Research, 343(2), 101815, 10.1007/s10479-024-06244-6.

Mateo-Doll M., Aghezzaf E.-H., 2025. Optimizing extracurricular activities assignment and related logistical deployment cost between collaborating schools. International Transactions in Operational Research, 32(2), 745-768, 10.1111/itor.13458.

Mazurek J., Perzina R., Strzałka D., Kowal B., Kuraś P., Puhrová B.P., Rajs R., 2024. Is the best–worst method path dependent? Evidence from an empirical study. 4OR, 22(3), 387-409, 10.1007/s10288-023-00553-5.

McCoy J., Prelec D., 2024. A Bayesian Hierarchical Model of Crowd Wisdom Based on Predicting Opinions of Others. Management Science, 70(9), 5931-5948, 10.1287/mnsc.2023.4955.

McDaid C., Azadnia A.H., Onofrei G., Tirkolaee E.B., 2024. Industry readiness measurement for circular supply chain implementation: an Irish dairy industry perspective. Annals of Operations Research, 342(1), 477-522, 10.1007/s10479-023-05602-0.

Mei J., Li X., Mo Y., 2024. Dual semi-supervised hypergraph regular multi-view NMF with anchor graph embedding. Knowledge-Based Systems, 305, 112662, 10.1016/j.knosys.2024.112662.

Melchiors P., Kolisch R., Kanet J.J., 2024. The performance of priority rules for the dynamic stochastic resource-constrained multi-project scheduling problem: an experimental investigation. Annals of Operations Research, 338(1), 569-595, 10.1007/s10479-024-05841-9.

Mendes A.B., e Alvelos F.P., 2025. A robust optimisation approach for the placement of forest fire suppression resources. International Transactions in Operational Research, 32(3), 1312-1342, 10.1111/itor.13524.

Meng B., Rezaeipanah A., 2024. Robust deadline-aware network function parallelization framework under demand uncertainty. Knowledge-Based Systems, 305, 112696, 10.1016/j.knosys.2024.112696.

Meng F., Qing D., Zhang Y., Wang X., 2024. Physical and internet medical system: Service quality and management mode analysis. Computers and Industrial Engineering, 197, 110539, 10.1016/j.cie.2024.110539.

Meng F., Zhao D., Tan C., 2024. Optimization consensus analysis for group decision making in view of non-transferable and transferable allocation schemes. Journal of the Operational Research Society, 75(7), 1325-1342, 10.1080/01605682.2023.2242392.

Meng K., Li S., Han Z., 2025. Optimizing mixed-model assembly line efficiency under uncertain demand: A Q-Learning-Inspired differential evolution algorithm. Computers and Industrial Engineering, 200, 110743, 10.1016/j.cie.2024.110743.

Miao J., Liu X., Guo L., Chen L., 2024. SE-BLS: A Shapley-Value-Based Ensemble Broad Learning System with collaboration-based feature selection and CAM visualization. Knowledge-Based Systems, 301, 112343, 10.1016/j.knosys.2024.112343.

Mikrou I., Sapidis N.S., 2024. Enhancing operational research in mechatronic systems via modularization: comparative analysis of four clustering algorithms using validation indices. Operational Research, 24(4), 63, 10.1007/s12351-024-00872-3.

Mildebrath D., Lee T., Sinha S., Schaefer A.J., Gaber A.O., 2024. Characterizing Rational Transplant Program Response to Outcome-Based Regulation. Operations Research, 72(4), 1421-1437, 10.1287/opre.2018.0721.

Millossovich P., Tsanakas A., Wang R., 2024. A theory of multivariate stress testing. European Journal of Operational Research, 318(3), 851-866, 10.1016/j.ejor.2024.06.002.

Min Q., Luo F., Dong W., Gu C., Ding W., 2025. Bidirectional domain transfer knowledge distillation for catastrophic forgetting in federated learning with heterogeneous data. Knowledge-Based Systems, 311, 113008, 10.1016/j.knosys.2025.113008.

Miranda E., Van Camp A., 2025. The law of iterated expectation and imprecise probabilities. Fuzzy Sets and Systems, 504, 109258, 10.1016/j.fss.2024.109258.

Mishra A.R., Rani P., Pamucar D., Saha A., 2024. An integrated Pythagorean fuzzy fairly operator-based MARCOS method for solving the sustainable circular supplier selection problem. Annals of Operations Research, 342(1), 523-564, 10.1007/s10479-023-05453-9.

Mishra S.K., Laha V., Hassan M., 2024. On Quasiconvex Multiobjective Optimization and Variational Inequalities Using Greenberg–Pierskalla Based Generalized Subdifferentials. Journal of Optimization Theory and Applications, 202(3), 1169-1186, 10.1007/s10957-024-02505-3.

Mittal S., Saxena D.K., Deb K., Goodman E.D., 2024. A Unified Innovized Progress Operator for Performance Enhancement in Evolutionary Multi- and Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 28(6), 1605-1619, 10.1109/TEVC.2023.3321603.

Modibbo U.M., Gupta S., Ahmed A., Ali I., 2024. An integrated multi-objective multi-product inventory managed production planning problem under uncertain environment. Annals of Operations Research, 339(3), 1679-1723, 10.1007/s10479-022-04795-0.

Moein Fazeli M., Farjami Y., Jalaly Bidgoly A., 2024. An efficient cloud manufacturing service composition approach using deep reinforcement learning. Computers and Industrial Engineering, 195, 110446, 10.1016/j.cie.2024.110446.

Mohammad Hasani Zade B., Mansouri N., Javidi M.M., 2025. An improved beluga whale optimization using ring topology for solving multi-objective task scheduling in cloud. Computers and Industrial Engineering, 200, 110836, 10.1016/j.cie.2024.110836.

Mohammed Z.K., Zaidan A.A., Aris H.B., Alsattar H.A., Qahtan S., Deveci M., Delen D., 2024. Bitcoin network-based anonymity and privacy model for metaverse implementation in Industry 5.0 using linear Diophantine fuzzy sets. Annals of Operations Research, 342(2), 1193-1233, 10.1007/s10479-023-05421-3.

Mondal S., Singh S., Gupta H., 2025. Exploring Barriers to Innovative Marketing in MSMEs: An Analysis Using a BWM-ISM Multi-Criteria Decision-Making Framework. Journal of Multi-Criteria Decision Analysis, 32(1), e70005, 10.1002/mcda.70005.

Moradi N., Mafakheri F., Wang C., 2024. Set Covering Routing Problems: A review and classification scheme.

Computers and Industrial Engineering, 198, 110730, 10.1016/j.cie.2024.110730.

Morante-González R., López-Sánchez A.D., Sánchez-Oro J., Hernández-Díaz A.G., 2025. The multiobjective traveling salesman–repairman problem with profits: design and implementation of a variable neighborhood descent algorithm for a real scenario. International Transactions in Operational Research, 32(1), 221-243, 10.1111/itor.13407.

Morelli G., 2024. Responsible investing and portfolio selection: a shapley - CVaR approach. Annals of Operations Research, 342(3), 1991-2019, 10.1007/s10479-022-05144-x.

Mosayebi M., Fathi M., Hedayati M.K., Ivanov D., 2024. Time-to-Adapt (TTA). International Journal of Production Economics, 278, 109432, 10.1016/j.ijpe.2024.109432.

Muhsina N., Dhoulath B.J., 2024. DeSGOA: double exponential smoothing gazelle optimization algorithm-based deep learning model for blind source separation. Knowledge-Based Systems, 305, 112626, 10.1016/j.knosys.2024.112626.

Munsif M., Khan S.U., Khan N., Hussain A., Kim M.J., Baik S.W., 2024. Contextual visual and motion salient fusion framework for action recognition in dark environments. Knowledge-Based Systems, 304, 112480, 10.1016/j.knosys.2024.112480.

Musavi M.M., Torabi S.A., Jolai F., 2024. Strategic planning for hub resilience: a stochastic location-routing perspective. Operational Research, 24(4), 66, 10.1007/s12351-024-00876-z.

Nambiar A., S. N.V., S. A., V. S., Ramteke S.M., Marian M., 2024. Prediction of air compressor faults with feature fusion and machine learning. Knowledge-Based Systems, 304, 112519, 10.1016/j.knosys.2024.112519.

Nascimento D.C., Pinheiro R.G.S., 2025. Service Selection under Uncertainty. Computers and Operations Research, 173, 106847, 10.1016/j.cor.2024.106847.

Nasini S., Verschelde M., Merlevede B., 2024. Optimal transfer prices and technology in decentralized business groups. European Journal of Operational Research, 319(3), 920-942, 10.1016/j.ejor.2024.07.007.

Nasir D., Venkitasubramony R., Jakhar S.K., 2025. Ergonomics in warehouse design and operations: a systematic literature review. Operational Research, 25(1), 10, 10.1007/s12351-024-00892-z.

Nasir M., Summerfield N.S., Simsek S., Oztekin A., 2024. An interpretable machine learning methodology to generate interaction effect hypotheses from complex datasets. Decision Sciences, 55(6), 549-576, 10.1111/deci.12642.

Nawaz H.S., Shi D., Zhang X., 2025. Uncertain features exploration in temporal moment localization via language by utilizing customized temporal transformer. Knowledge-Based Systems, 309, 112667, 10.1016/j.knosys.2024.112667.

Nejati E., Ghaedy-Heidary E., Ghasemi A., Torabi S.A., 2024. A machine learning-based simulation metamodeling method for dynamic scheduling in smart manufacturing systems. Computers and Industrial Engineering, 196, 110507, 10.1016/j.cie.2024.110507.

Nematzadeh H., García-Nieto J., Navas-Delgado I., Aldana-Montes J.F., 2024. Feature selection using a classification error impurity algorithm and an adaptive genetic algorithm improved with an external repository. Knowledge-Based Systems, 301, 112345, 10.1016/j.knosys.2024.112345.

Nguyen V.Q., Ngo L.T., Nguyen L.M., Nguyen V.H., Shone N., 2024. Deep clustering hierarchical latent representation for anomaly-based cyber-attack detection. Knowledge-Based Systems, 301, 112366, 10.1016/j.knosys.2024.112366.

Nikitin N.O., Pinchuk M., Pokrovskii V., Shevchenko P., Getmanov A., Aksenkin Y., Revin I., Stebenkov A., Latypov V., Poslavskaya E., Kalyuzhnaya A.V., 2024. Integration of evolutionary automated machine learning with structural sensitivity analysis for composite pipelines. Knowledge-Based Systems, 302, 112363, 10.1016/j.knosys.2024.112363.

Ning G., Liu Q., Zou M., 2025. A modularity-based improved small-world genetic algorithm for large-scale intercell scheduling with flexible routes. Computers and Operations Research, 177, 106979, 10.1016/j.cor.2025.106979.

Niu B., Deng X., Xie F., Shen Z., 2025. Dual sourcing hurts supply chain viability? The value of brand-owners' cooperation under single sourcing. Omega (United Kingdom), 133, 103250, 10.1016/j.omega.2024.103250.

Niu W., Xue W., Xia J., Lu F., 2024. Decarbonizing a supply chain with an unreliable supplier: Implications for profitability and sustainability. Computers and Industrial Engineering, 197, 110573, 10.1016/j.cie.2024.110573.

Niu Y., Boussemart J.-P., Shen Z., Vardanyan M., 2024. Performance evaluation using multi-stage production frameworks: Assessing the tradeoffs among the economic, environmental, and social well-being. European Journal of Operational Research, 318(3), 1000-1013, 10.1016/j.ejor.2024.05.046.

Noriega R., Pourrahimian Y., Askari-Nasab H., 2025. Deep Reinforcement Learning based real-time open-pit mining truck dispatching system. Computers and Operations Research, 173, 106815, 10.1016/j.cor.2024.106815.

Nour A., Galal N.M., El-Kilany K.S., 2024. Energy-aware production planning models for emerging economies. Journal of the Operational Research Society, 75(10), 2052-2064, 10.1080/01605682.2023.2301585.

Nugroho Y.K., Zhu L., 2024. Strategic supply and transportation planning of a supply chain for agricultural biomass to hydrogen and syngas. Computers and Industrial Engineering, 197, 110640, 10.1016/j.cie.2024.110640.

Ogri O.E., EL-Mekkaoui J., Benslimane M., Hjouji A., 2024. Automatic lip-reading classification using deep learning approaches and optimized quaternion meixner moments by GWO algorithm. Knowledge-Based Systems, 304, 112430, 10.1016/j.knosys.2024.112430.

Omar I.A., Hasan H.R., Jayaraman R., Salah K., Omar M., 2024. Using blockchain technology to achieve sustainability in the hospitality industry by reducing food waste. Computers and Industrial Engineering, 197, 110586, 10.1016/j.cie.2024.110586.

Omrani H., Alizadeh A., Emrouznejad A., Teplova T., 2024. Data envelopment analysis model with decision makers' preferences: a robust credibility approach. Annals of Operations Research, 339(3), 1269-1306, 10.1007/s10479-021-04262-2.

Osorio-Mora A., Saldanha-da-Gama F., Toth P., 2025. A risk-averse latency location-routing problem with stochastic travel times. European Journal of Operational Research, 321(3), 837-850, 10.1016/j.ejor.2024.10.041.

Ouahabi N., Chebak A., Kamach O., Zegrari M., 2025. Dynamic production scheduling and maintenance planning under opportunistic grouping. Computers and Industrial Engineering, 199, 110646, 10.1016/j.cie.2024.110646.

Ozbay E., Kamble V., 2024. Maximal Objectives in the Multiarmed Bandit with Applications. Management Science, 70(12), 8853-8874, 10.1287/mnsc.2022.00801.

Özdemir A., 2024. A novel logistic regression-embedded 0–1 mixed-integer probabilistic robust design model to obtain optimum sustainable factor settings. Computers and Industrial Engineering, 195, 110430, 10.1016/j.cie.2024.110430.

Özkan E., Tan B., 2025. Asymptotically optimal energy consumption and inventory control in a make-to-stock manufacturing system. European Journal of Operational Research, 320(2), 375-388, 10.1016/j.ejor.2024.08.028.

Öztürk E.G., Rocha P., Rodrigues A.M., Soeiro Ferreira J., Lopes C., Oliveira C., Nunes A.C., 2024. D3S: Decision support system for sectorization. Decision Support Systems, 181, 114211, 10.1016/j.dss.2024.114211.

Pacheco J., Casado S., 2025. Variable neighborhood search approach to face-shield delivery during pandemic periods. International Transactions in Operational Research, 32(2), 719-744, 10.1111/itor.13410.

Padovano A., Sammarco C., Balakera N., Konstantinidis F., 2024. Towards sustainable cognitive digital twins: A portfolio management tool for waste mitigation. Computers and Industrial Engineering, 198, 110715, 10.1016/j.cie.2024.110715.

Pagnoncelli B.K., Homem-de-Mello T., Lagos G., Castañeda P., García J., 2024. Solving constrained consumption–investment problems by decomposition algorithms. European Journal of Operational Research, 319(1), 292-302, 10.1016/j.ejor.2024.06.027.

Pan J.-S., Wang G.-L., Chu S.-C., Yang D., Snášel V., 2024. New feature attribution method for explainable aspect-based sentiment classification. Knowledge-Based Systems, 304, 112550, 10.1016/j.knosys.2024.112550.

Pang H., Zhen L., 2024. Automated mobile robots routing and job assignment in automated factory. Computers and Industrial Engineering, 195, 110420, 10.1016/j.cie.2024.110420.

Pang L.M., Ishibuchi H., He L., Shang K., Chen L., 2024. Hypervolume-Based Cooperative Coevolution With Two Reference Points for Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 28(4), 1054-1068, 10.1109/TEVC.2023.3287399.

Panjehpour A., Zarrinpoor N., 2025. A network design of a canola-to-biodiesel supply chain by considering the water-energy-food-land-ecosystem-undesirable climate change nexus. Computers and Industrial Engineering, 199, 110610, 10.1016/j.cie.2024.110610.

Papalexopoulos T., Alcorn J., Bertsimas D., Goff R., Stewart D., Trichakis N., 2024. Reshaping National Organ Allocation Policy. Operations Research, 72(4), 1475-1486, 10.1287/opre.2022.0035.

Paraschos P.D., Koulouriotis D.E., 2024. Learning-based production, maintenance, and quality optimization in smart manufacturing systems: A literature review and trends. Computers and Industrial Engineering, 198, 110656, 10.1016/j.cie.2024.110656.

Parsons T., Seo J., Livesey D., 2025. Municipal street-sweeping area generation with route optimization. International Transactions in Operational Research, 32(3), 1375-1399, 10.1111/itor.13515.

Parvez M., Parikh P.J., Aqlan F., Noor-E-Alam M., 2024. An online dynamic dual bin packing with lookahead approach for server-to-cell assignment in computer server industry. Computers and Industrial Engineering, 196, 110404, 10.1016/j.cie.2024.110404.

Pashapour A., Günneç D., Salman F.S., Yücel E., 2024. Capacitated Mobile Facility Location Problem with Mobile Demand: Efficient Relief Aid Provision to En Route Refugees. Omega (United Kingdom), 129, 103138, 10.1016/j.omega.2024.103138.

Pawar N.S., Rao S.S., Adil G.K., 2024. Scattered storage for retail e-commerce fulfillment warehouses with consideration for product turnover. Computers and Industrial Engineering, 197, 110551, 10.1016/j.cie.2024.110551.

Pecin D., Herszterg I., Perini T., Boland N., Savelsbergh M., 2024. A fast and robust algorithm for solving biobjective mixed integer programs. Mathematical Methods of Operations Research, 100(1), 221-262, 10.1007/s00186-023-00843-y.

Pegado-Bardayo A., Lorenzo-Espejo A., Muñuzuri J., Onieva L., 2024. A predictive framework for last-mile delivery routes considering couriers' behavior heterogeneity. Computers and Industrial Engineering, 198, 110665, 10.1016/j.cie.2024.110665.

Peng J., Van Den Bulte C., 2024. Participation vs. Effectiveness in Sponsored Tweet Campaigns: A Quality-Quantity Conundrum. Management Science, 70(11), 7961-7983, 10.1287/mnsc.2019.01897.

Peng X., Wang S., Zhang L., 2024. Production routing problem in shared manufacturing: Robust chance-constrained formulation and multi-diversification based matheuristic. Computers and Industrial Engineering, 195, 110422, 10.1016/j.cie.2024.110422.

Peng Y., Wu C., Shao W., Xia B., 2024. Collaborative optimization of route planning and just-in-time scheduling for mixed-model assembly lines. Journal of the Operational Research Society, 75(11), 2185-2199, 10.1080/01605682.2024.2310042.

Peng Y., Wu J., 2024. Impulse synchronization strategy for supply chains considering combined effects and demand saturation. Computers and Industrial Engineering, 198, 110696, 10.1016/j.cie.2024.110696.

Peng Z., Hong Z., 2025. Group dynamic game under bounded rationality in agreed transfer of China's carbon trading secondary market. Computers and Industrial Engineering, 200, 110857, 10.1016/j.cie.2025.110857.

Perakis G., Singhvi D., 2024. Dynamic Pricing with Unknown Nonparametric Demand and Limited Price Changes. Operations Research, 72(6), 2726-2744, 10.1287/opre.2020.0445.

Peron M., Coruzzolo A.M., Basten R., Knofius N., Lolli F., Sgarbossa F., 2024. Choosing between additive and conventional manufacturing of spare parts: On the impact of failure rate uncertainties and the tools to reduce them. International Journal of Production Economics, 278, 109438, 10.1016/j.ijpe.2024.109438.

Perrachon Q., Olteanu A.-L., Sevaux M., Fréchengues S., Kerviche J.-F., 2025. Industrial multi-resource flexible job shop scheduling with partially necessary resources. European Journal of Operational Research, 320(2), 309-327, 10.1016/j.ejor.2024.07.023.

Perreault-Lafleur C., Carvalho M., Desaulniers G., 2025. A stochastic integer programming approach to reserve staff scheduling with preferences. International Transactions in Operational Research, 32(1), 289-313, 10.1111/itor.13298.

Pezo C., Hochbaum D., Godoy J., Asín-Achá R., 2025. Automatic algorithm selection for Pseudo-Boolean optimization with given computational time limits. Computers and Operations Research, 173, 106836, 10.1016/j.cor.2024.106836.

Pham T.N., Dao M.N., Eberhard A., Sultanova N., 2024. Bregman Proximal Linearized ADMM for Minimizing Separable Sums Coupled by a Difference of Functions. Journal of Optimization Theory and Applications, 203(2), 1622-1658, 10.1007/s10957-024-02539-7.

Phouratsamay S.-L., Scaparra M.P., Tran T.H., Laporte G., 2024. Strategic flood impact mitigation in developing countries' urban road networks: Application to Hanoi. European Journal of Operational Research, 319(3), 862-876, 10.1016/j.ejor.2024.06.035.

Pirayesh A., Asadaraghi A., Mohammadi M., Siadat A., Battaïa O., 2025. A dynamic optimization model for vaccine allocation with age considerations: A study inspired by the COVID-19 pandemic. International Journal of Production Economics, 280, 109474, 10.1016/j.ijpe.2024.109474.

Pisciella P., Gaivoronski A.A., 2024. Modeling collaborative data service provision around an open source platform under uncertainty with stochastic provision games. Omega (United Kingdom), 129, 103167, 10.1016/j.omega.2024.103167.

Pitakaso R., Sethanan K., Chamnanlor C., Fan S.-K.S., Tseng M.-L., Lim M.K., 2025. Optimizing floating crane operations for efficient bulk product transshipments on inland waterways. International Journal of Production Economics, 279, 109469, 10.1016/j.ijpe.2024.109469.

Pitakaso R., Sethanan K., Tan K.H., Kumar A., 2024. A decision support system based on an artificial multiple intelligence system for vegetable crop land allocation problem. Annals of Operations Research, 342(1), 621-656, 10.1007/s10479-023-05398-z.

Pöppelbaum J., Schwung A., 2024. Improving quaternion neural networks with quaternionic activation functions. Knowledge-Based Systems, 305, 112619, 10.1016/j.knosys.2024.112619.

Pourbehzadi M., Javidi G., Howell C.J., Kamar E., Sheybani E., 2024. Enhanced (cyber) situational awareness: Using interpretable principal component analysis (iPCA) to automate vulnerability severity scoring. Decision Support Systems, 186, 114308, 10.1016/j.dss.2024.114308.

Poursoltani M., Delage E., Georghiou A., 2024. Technical Note—Risk-Averse Regret Minimization in Multistage Stochastic Programs. Operations Research, 72(4), 1727-1738, 10.1287/opre.2022.2429.

Przewięźlikowski M., Pyla M., Zieliński B., Twardowski B., Tabor J., Śmieja M., 2024. Augmentation-aware self-supervised learning with conditioned projector. Knowledge-Based Systems, 305, 112572, 10.1016/j.knosys.2024.112572.

Pu Z., Xu Z., Zhang C., Zeng X.-J., Gan W., 2025. An online review-driven two-stage hotel recommendation model considering customers' risk attitudes and personalized preferences. Omega (United Kingdom), 131, 103197, 10.1016/j.omega.2024.103197.

Pu Z., Zhang C., Xu Z., Wang X., 2024. A fuzzy decision support model for online review-driven hotel selection by considering risk attitudes of customers. Journal of the Operational Research Society, 75(7), 1407-1420, 10.1080/01605682.2023.2249938.

Qian C., 2024. Can Evolutionary Clustering Have Theoretical Guarantees?. IEEE Transactions on Evolutionary Computation, 28(5), 1220-1234, 10.1109/TEVC.2023.3296645.

Qiao J., 2025. Quasi-D-overlap functions: Construction and characterization. Fuzzy Sets and Systems, 498, 109138, 10.1016/j.fss.2024.109138.

Qin H., Bai W., Xiang Y., Liu F., Han Y., Wang L., 2024. A Self-Adaptive Collaborative Differential Evolution Algorithm for Solving Energy Resource Management Problems in Smart Grids. IEEE Transactions on Evolutionary Computation, 28(5), 1427-1441, 10.1109/TEVC.2023.3312769.

Qin H., Moriakin A., Xu G., Li J., 2024. The generator distribution problem for base stations during emergency power outage: A branch-and-price-and-cut approach. European Journal of Operational Research, 318(3), 752-767, 10.1016/j.ejor.2024.06.007.

Qin L., Cao E., 2024. Decision-making and performance of the agricultural supply chain: risk-neutral farmer vs target-oriented farmer. Annals of Operations Research, 340, 961-980, 10.1007/s10479-024-05984-9.

Qing L., Yin Y., Wang D., Yu Y., Cheng T.C.E., 2025. A two-stage adaptive robust model for designing a reliable blood supply chain network with disruption considerations in disaster situations. Naval Research Logistics, 72(1), 45-71, 10.1002/nav.22214.

Qiu H., Wang H., Li F., Wen S., 2025. Intermittent dynamic event-triggered control for synchronization of Takagi–Sugeno fuzzy competitive neural networks with leakage delay and different time scales. Fuzzy Sets and Systems, 498, 109130, 10.1016/j.fss.2024.109130.

Qiu R., Yuan M., Sun M., Fan Z.-P., Xu H., 2025. Optimizing omnichannel retailer inventory replenishment using vehicle capacity-sharing with demand uncertainties and service level requirements. European Journal of Operational Research, 320(2), 417-432, 10.1016/j.ejor.2024.08.005.

Qiu Y., Chen Y., Fang K., Fang K., 2025. A novel communication-efficient heterogeneous federated positive and unlabeled learning method for credit scoring. Computers and Operations Research, 177, 106982, 10.1016/j.cor.2025.106982.

Quan Z., Liu Y., Chen A., 2025. An accelerated Benders decomposition method for distributionally robust sustainable medical waste location and transportation problem. Computers and Operations Research, 175, 106895, 10.1016/j.cor.2024.106895.

Quilles-Marinho Y., Oliveira R.C.L.F., Peres P.L.D., 2025. Output-feedback control design for Takagi-Sugeno fuzzy systems through Lyapunov functions depending polynomially

on the states. Fuzzy Sets and Systems, 499, 109156, 10.1016/j.fss.2024.109156.

R. Uribe N., Herrán A., Colmenar J.M., 2024. Path relinking strategies for the bi-objective double floor corridor allocation problem. Knowledge-Based Systems, 305, 112666, 10.1016/j.knosys.2024.112666.

Raad N.G., Swain C., Ayantayo A., Yang B., Rajendran S., 2024. Hybrid regret-based p-robust and distributionally robust optimization models for electric vehicle charging station network design. Computers and Industrial Engineering, 198, 110709, 10.1016/j.cie.2024.110709.

Rabiee M., Mirhashemi M., Pangburn M.S., Piri S., Delen D., 2024. Towards explainable artificial intelligence through expert-augmented supervised feature selection. Decision Support Systems, 181, 114214, 10.1016/j.dss.2024.114214.

Rahimi M., Maghsoudi M., Shokouhyar S., 2024. The convergence of IoT and sustainability in global supply chains: Patterns, trends, and future directions. Computers and Industrial Engineering, 197, 110631, 10.1016/j.cie.2024.110631.

Raith A., Lusby R., Sohrabi Yousefkhan A.A., 2025. Benders decomposition for bi-objective linear programs. European Journal of Operational Research, 322(2), 376-400, 10.1016/j.ejor.2024.09.004.

Ramadhan F., Irawan C.A., Salhi S., Cai Z., 2025. The truck traveling salesman problem with drone and boat for humanitarian relief distribution in flood disaster: Mathematical model and solution methods. European Journal of Operational Research, 322(1), 270-291, 10.1016/j.ejor.2024.10.022.

Ramamoorthy P., Jayaswal S., Sinha A., Vidyarthi N., 2024. An exact method for trilevel hub location problem with interdiction. European Journal of Operational Research, 319(3), 696-710, 10.1016/j.ejor.2024.07.013.

Ramani V., Rani Kuiti M., Ghosh D., Swami S., 2024. Effectiveness of environmental regulations: firm's decisions and welfare implications. Journal of the Operational Research Society, 75(12), 2443-2463, 10.1080/01605682.2024.2323664.

Ramezanian R., Larizadeh R., Tosarkani B.M., 2024. A novel bi-objective model for sustainable and efficient airport logistics management: A case study on Copenhagen airport. Computers and Industrial Engineering, 197, 110589, 10.1016/j.cie.2024.110589.

Rani P., Pamucar D., Mishra A.R., Hezam I.M., Ali J., Ahammad S.K.H., 2024. An integrated interval-valued Pythagorean fuzzy WISP approach for industry 4.0 technology assessment and digital transformation. Annals of Operations Research, 342(2), 1235-1274, 10.1007/s10479-023-05355-w.

Rasay H., Azizi F., Naderkhani F., 2024. A mathematical maintenance model for a production system subject to deterioration according to a stochastic geometric process. Annals of Operations Research, 340(1), 451-478, 10.1007/s10479-024-05930-9.

Rashidi E., Bhuiyan T.H., Mason S.J., 2024. Production planning for semiconductor manufacturing under demand and yield uncertainty. Computers and Industrial Engineering, 196, 110403, 10.1016/j.cie.2024.110403.

Rasikha V., Marikkannu P., 2024. An ensemble deep learning-based cyber attack detection system using optimization

strategy. Knowledge-Based Systems, 301, 112211, 10.1016/j.knosys.2024.112211.

Razm S., Brahimi N., Hammami R., Dolgui A., 2025. Row and column-wise robust optimization model for biorefineries storing perishable biomass under weather uncertainty: Boosted by machine learning. Computers and Industrial Engineering, 200, 110823, 10.1016/j.cie.2024.110823.

Ren H., Wang C., Mu D., Lim M.K., Yue X., Hu X., Peng R., Tsao Y.-C., 2024. Resilience strategies in an intertwined supply network: Mitigating the vulnerability under disruption ripple effects. International Journal of Production Economics, 278, 109419, 10.1016/j.ijpe.2024.109419.

Ren H., Wang L., Wu J., 2024. The faster or richer the response, the better performance? An empirical analysis of online healthcare platforms from a competitive perspective. Decision Support Systems, 184, 114274, 10.1016/j.dss.2024.114274.

Ren L., Cong S., Xue X., Gong D., 2024. Credit rating prediction with supply chain information: a machine learning perspective. Annals of Operations Research, 342(1), 657-686, 10.1007/s10479-023-05662-2.

Ren Q., Wang J., 2025. Irrelevant Patch-Masked Autoencoders for Enhancing Vision Transformers under Limited Data. Knowledge-Based Systems, 310, 112936, 10.1016/j.knosys.2024.112936.

Reyhani Yamchi H., Jabarzadeh Y., Govindan K., Amoozad Mahdiraji H., 2024. A triple bottom line approach for designing a sustainable closed-loop supply chain network in fruit industry: A metaheuristic solution approach. Journal of the Operational Research Society, 75(10), 1925-1948, 10.1080/01605682.2023.2286318.

Rezaee P., Moghaddam S.K., 2025. Assessment of design approaches for reconfigurable manufacturing systems based on forecasted demand data. Computers and Industrial Engineering, 201, 110878, 10.1016/j.cie.2025.110878.

Rezaei F., Najafi A.A., Demeulemeester E., Ramezanian R., 2024. A stochastic bi-objective project scheduling model under failure of activities. Annals of Operations Research, 338(1), 453-476, 10.1007/s10479-023-05600-2.

Rezaeian A., Koosha H., Ranjbar M., Poormoaied S., 2024. The assignment of project managers to projects in an uncertain dynamic environment. Annals of Operations Research, 341, 1107-1134, 10.1007/s10479-024-05958-x.

Ricardo A., Figueira J.R., Tavares L.V., 2024. Integrating confidence and preservation of information in the preference elicitation process: A lexicographic order approach for inconsistent judgments. Omega (United Kingdom), 129, 103136, 10.1016/j.omega.2024.103136.

Risso L.A., Ganga G.M.D., Santa-Eulalia L.A.D., Godinho Filho M., Chikhi T., Mosconi E., Zhang K., 2024. A framework for modeling and simulating blockchain-based supply chain traceability systems. International Journal of Production Economics, 278, 109408, 10.1016/j.ijpe.2024.109408.

Rist Y., Tilk C., Forbes M., 2024. Benders Decomposition with Delayed Disaggregation for the Active Passive Vehicle Routing Problem. European Journal of Operational Research, 318(3), 836-850, 10.1016/j.ejor.2024.05.041.

Roboredo M., Lima D., Silva J.M.P., Uchoa E., 2024. Branch-cut-and-price algorithms for two routing problems with hotel

selection. Computers and Industrial Engineering, 196, 110467, 10.1016/j.cie.2024.110467.

Rocholl J., Mönch L., 2025. Metaheuristics for solving a flexible flow-shop scheduling problem with s-batching machines. International Transactions in Operational Research, 32(1), 38-68, 10.1111/itor.13491.

Rohwedder L., Safari A., Vredeveld T., 2025. Smoothed analysis of the k-swap neighborhood for makespan scheduling. Operations Research Letters, 59, 107244, 10.1016/j.orl.2025.107244.

Rojas Gonzalez S., Branke J., Van Nieuwenhuyse I., 2025. Bi-objective ranking and selection using stochastic kriging. European Journal of Operational Research, 322(2), 599-614, 10.1016/j.ejor.2024.11.008.

Rosati R., Romeo L., Mancini A., 2025. Single- and multi-task linear models for ATMs fault classification in human-centered predictive maintenance. Computers and Industrial Engineering, 200, 110763, 10.1016/j.cie.2024.110763.

Roshani A., Walker-Davies P., Parry G., 2024. Designing resilient supply chain networks: a systematic literature review of mitigation strategies. Annals of Operations Research, 341, 1267-1332, 10.1007/s10479-024-06228-6.

Rothkopf A., Acimovic J., Goentzel J., 2024. The impact of transportation capacity in pre-positioning humanitarian supplies. Decision Sciences, 55(5), 456-473, 10.1111/deci.12610.

Roy A., Dabadghao S.S., Marandi A., 2024. Value of intermediate imaging in adaptive robust radiotherapy planning to manage radioresistance. Annals of Operations Research, 339(3), 1307-1328, 10.1007/s10479-022-04699-z.

Sabbaghtorkan M., Batta R., He Q., 2025. Adding servers to reinforce facilities in a spatially distributed queueing system. Computers and Operations Research, 173, 106862, 10.1016/j.cor.2024.106862.

Sadaf T., Qamar U., Khan S.A., Almutairi S., 2025. A novel smart street intervention mechanism using clustering-based path optimization for street networks. Knowledge-Based Systems, 311, 113065, 10.1016/j.knosys.2025.113065.

Sadeghi R. K., Abadi M.Q.H., Haapala K.R., Huscroft J.R., 2024. A hybrid machine learning solution for redesigning sustainable circular energy supply chains. Computers and Industrial Engineering, 197, 110541, 10.1016/j.cie.2024.110541.

Sadeghi S., Seifi A., 2024. A modified scenario bundling method for shortest path network interdiction under endogenous uncertainty. Annals of Operations Research, 343(1), 106958, 10.1007/s10479-024-06157-4.

Sadeghloo M., Emami S., Divsalar A., 2024. A Benders decomposition algorithm for the multi-mode resource-constrained multi-project scheduling problem with uncertainty. Annals of Operations Research, 339(3), 1637-1677, 10.1007/s10479-023-05403-5.

Sadiq M., Nawaz M.A., Sharif A., Hanif S., 2024. Bridging green supply chain practices and environmental performance in Chinese semiconductor sector: With the role of energy efficiency and green HRM. International Journal of Production Economics, 277, 109381, 10.1016/j.ijpe.2024.109381.

Sadri S., Ghomi S.M.T.F., Dehghanian A., 2024. Analysis of a time–cost trade-off in a resource-constrained GERT project scheduling problem using the Markov decision process.

Annals of Operations Research, 338(1), 535-568, 10.1007/s10479-024-05896-8.

Saeed Khaled M., Abdelfadeel Shaban I., Hegab H., 2024. Enhancing socioeconomic sustainability in glass wall panel manufacturing: An integrated production planning approach. Computers and Industrial Engineering, 197, 110571, 10.1016/j.cie.2024.110571.

Saghafian S., 2024. Ambiguous Dynamic Treatment Regimes: A Reinforcement Learning Approach. Management Science, 70(9), 5667-5690, 10.1287/mnsc.2022.00883.

Sahamkhadam M., Stephan A., 2024. Socially responsible multiobjective optimal portfolios. Journal of the Operational Research Society, 75(10), 2065-2076, 10.1080/01605682.2024.2303075.

Saiz M., Calvet L., Juan A.A., Lopez-Lopez D., 2024. A simheuristic for project portfolio optimization combining individual project risk, scheduling effects, interruptions, and project risk correlations. Computers and Industrial Engineering, 198, 110694, 10.1016/j.cie.2024.110694.

Salamati-Hormozi H., Husseinzadeh Kashan A., Ostadi B., 2024. A three-dimensional bin packing problem with item fragmentation and its application in the storage location assignment problem. 4OR, 22(4), 483-536, 10.1007/s10288-024-00576-6.

Salem J., Gupta S., 2024. Secretary Problems with Biased Evaluations Using Partial Ordinal Information. Management Science, 70(8), 5337-5366, 10.1287/mnsc.2023.4926.

Salgado-Rojas J., Álvarez-Miranda E., Hermoso V., 2025. A mixed integer programming approach to address cumulative threats in multi action management plans for biodiversity recovery. Omega (United Kingdom), 133, 103282, 10.1016/j.omega.2025.103282.

Salmasnia A., Kia R., Googoonani S., Jafarian-Namin S., 2024. Integration of maintenance policy and statistical process monitoring for a cascade process with multiple assignable causes and random failures. Computers and Industrial Engineering, 196, 110433, 10.1016/j.cie.2024.110433.

Samadhiya A., Agrawal R., Kumar A., Luthra S., 2024. Bridging realities into organizations through innovation and productivity: Exploring the intersection of artificial intelligence, internet of things, and big data analytics in the metaverse environment using a multi-method approach. Decision Support Systems, 185, 114290, 10.1016/j.dss.2024.114290.

Samadi N., Tanha J., Jalili M., 2025. A Weighted Semi-supervised Possibilistic Fuzzy c-Means algorithm for data stream classification and emerging class detection. Knowledge-Based Systems, 309, 112831, 10.1016/j.knosys.2024.112831.

Santini A., 2025. Destination selection and flight scheduling for regional airlines at slot-constrained airports. International Transactions in Operational Research, 32(3), 1400-1421, 10.1111/itor.13505.

Santosa N.C., Liu X., Han H., Miyazaki J., 2024. S3PaR: Section-based Sequential Scientific Paper Recommendation for paper writing assistance. Knowledge-Based Systems, 303, 112437, 10.1016/j.knosys.2024.112437.

Sarkar P., Khanapuri V.B., Tiwari M.K., 2025. Accelerating the stabilized column generation using machine learning.

Computers and Industrial Engineering, 200, 110837, 10.1016/j.cie.2024.110837.

Sarkar P., Khanapuri V.B., Tiwari M.K., 2025. Integration of prediction and optimization for smart stock portfolio selection. European Journal of Operational Research, 321(1), 243-256, 10.1016/j.ejor.2024.08.027.

Sattarzadeh A.R., Pathirana P.N., 2024. Unification of probabilistic graph model and deep reinforcement learning (UPGMDRL) for multi-intersection traffic signal control. Knowledge-Based Systems, 305, 112663, 10.1016/j.knosys.2024.112663.

Sawik T., 2025. Economically viable reshoring of supply chains under ripple effect. Omega (United Kingdom), 131, 103228, 10.1016/j.omega.2024.103228.

Schibelbain D., Lopes T.C., Magatão L., 2024. A method to balancing robotic mixed-model assembly lines: Practical constraints, computational challenges, and performance estimation. Computers and Industrial Engineering, 197, 110595, 10.1016/j.cie.2024.110595.

Schlosser R., Chenavaz R.Y., 2025. Joint dynamic pricing and marketing-mix strategies for revenue management applications with stochastic demand. International Transactions in Operational Research, 32(3), 1566-1592, 10.1111/itor.13352.

Schmid N.A., Montreuil B., Limère V., 2024. Modeling and solving integrated assembly line balancing, assembly line feeding, and facility sizing problems. International Journal of Production Economics, 277, 109354, 10.1016/j.ijpe.2024.109354.

Sel Ç., Gurkan M.E., Hamzadayı A., 2024. Energy-aware production lot-sizing and parallel machine scheduling with the product-specific machining tools and power requirements. Computers and Industrial Engineering, 196, 110503, 10.1016/j.cie.2024.110503.

Setiawan F., Bektaş T., Iris Ç., 2025. The role of hubs and economies of scale in network expansion. Omega (United Kingdom), 131, 103220, 10.1016/j.omega.2024.103220.

Seyyedi Ghomi S., Baroughi F., 2024. Robust vertex centdian facility location problem on tree networks. Annals of Operations Research, 341, 1135-1149, 10.1007/s10479-024-06096-0.

Shafiee M., Amiri-Aref M., Klibi W., 2025. The integration of shared renewable resources considering setup times for the parallel machine scheduling problem. Computers and Industrial Engineering, 200, 110828, 10.1016/j.cie.2024.110828.

Shahmanzari M., Mansini R., 2024. A learning-based granular variable neighborhood search for a multi-period election logistics problem with time-dependent profits. European Journal of Operational Research, 319(1), 135-152, 10.1016/j.ejor.2024.06.009.

Shambayati H., Shafiei Nikabadi M., Saberi S., Mardani A., 2024. A neutrosophic optimization model for supply chain virtualization in the circular economy using the non-dominated sorting genetic algorithm II. Annals of Operations Research, 342(1), 687-723, 10.1007/s10479-023-05791-8.

Shamekhi Amiri A., Torabi S.A., Tavana M., 2025. An assessment of the prominence and total engagement metrics for ranking interdependent attributes in DEMATEL and

WINGS. Omega (United Kingdom), 130, 103176, 10.1016/j.omega.2024.103176.

Shams-Shoaaee S., 2024. Multi-venue location optimization with overlapping audience reach areas. Operational Research, 24(4), 65, 10.1007/s12351-024-00868-z.

Shan H., Jiang Y., Zhu Y., Liang H., Wang S., 2025. Fixed-time self-triggered fuzzy adaptive control of N-link robotic manipulators. Fuzzy Sets and Systems, 498, 109134, 10.1016/j.fss.2024.109134.

Shang J., Ye H., Chang X., 2024. Accelerated Double-Sketching Subspace Newton. European Journal of Operational Research, 319(2), 484-493, 10.1016/j.ejor.2024.04.002.

Shang L., Tian Y., Du Y., Zhao J., Cai Z., 2025. Random replacement strategies modeling through back and front warranties with preventive maintenance. Computers and Industrial Engineering, 200, 110819, 10.1016/j.cie.2024.110819.

Shang Q., Yang J., Ma J., 2024. Multi-branch evolutionary generative adversarial networks based on covariance crossover operators. Knowledge-Based Systems, 304, 112527, 10.1016/j.knosys.2024.112527.

Shang R., Song J., Gao L., Lu M., Jiao L., Xu S., Li Y., 2024. Double-dictionary learning unsupervised feature selection cooperating with low-rank and sparsity. Knowledge-Based Systems, 304, 112566, 10.1016/j.knosys.2024.112566.

Shankar R., Gupta L., 2024. Modelling risks in transition from Industry 4.0 to Industry 5.0. Annals of Operations Research, 342(2), 1275-1320, 10.1007/s10479-024-06055-9.

Shao J., Zhong S., Tian M., Liu Y., 2024. Combining fuzzy MCDM with Kano model and FMEA: a novel 3-phase MCDM method for reliable assessment. Annals of Operations Research, 342(1), 725-765, 10.1007/s10479-024-05878-w.

Shao S., Xu G., Li J., Liu Z., Jin Z., 2025. A job assignment scheduling algorithm with variable sublots for lot-streaming flexible job shop problem based on NSGAII. Computers and Operations Research, 173, 106866, 10.1016/j.cor.2024.106866.

Sharbaf M., Bélanger V., Cherkesly M., Rancourt M.-È., Toglia G.M., 2025. Risk-based shelter network design in flood-prone areas: An application to Haiti. Omega (United Kingdom), 131, 103194, 10.1016/j.omega.2024.103194.

Sharma K., Dwivedi Y.K., Metri B., 2024. Incorporating causality in energy consumption forecasting using deep neural networks. Annals of Operations Research, 339, 537-572, 10.1007/s10479-022-04857-3.

Sharma R., Kannan D., Darbari J.D., Jha P.C., 2024. Group decision making model for selection of performance indicators for sustainable supplier evaluation in agro-food supply chain. International Journal of Production Economics, 277, 109353, 10.1016/j.ijpe.2024.109353.

Shekoohi Tolgari F., Zarrinpoor N., 2024. A robust reverse pharmaceutical supply chain design considering perishability and sustainable development objectives. Annals of Operations Research, 340, 981-1033, 10.1007/s10479-024-05871-3.

Shen H., Wang G., Xia J., Park J.H., Xie X.-P., 2025. Interval type-2 fuzzy H∞ filtering for nonlinear singularly perturbed jumping systems: A semi-Markov kernel method. Fuzzy Sets and Systems, 505, 109264, 10.1016/j.fss.2025.109264.

Shen Y., Ma X., Kou G., Rodríguez R.M., Zhan J., 2025. Consensus methods with Nash and Kalai–Smorodinsky

bargaining game for large-scale group decision-making. European Journal of Operational Research, 321(3), 865-883, 10.1016/j.ejor.2024.10.016.

Shen Y., Ma X., Xu Z., Deveci M., Zhan J., 2025. A minimum cost and maximum fairness-driven multi-objective optimization consensus model for large-scale group decision-making. Fuzzy Sets and Systems, 500, 109198, 10.1016/j.fss.2024.109198.

Shen Z., Li X., Lv X., Li F., 2025. A robust bi-objective model for project portfolio selection and adjustment considering the implementation capability deviation of projects. Computers and Industrial Engineering, 201, 110877, 10.1016/j.cie.2025.110877.

Sheshkol M.I., Fardi K., Hafezalkotob A., Ogie R., Arisian S., 2024. Managing platelets supply chain under uncertainty: A two-stage collaborative robust programming approach. Computers and Industrial Engineering, 198, 110645, 10.1016/j.cie.2024.110645.

Shi C., Shi K., Zeng Z., Zhu F., 2025. Dynamic feature enhancement network guided by multi-dimensional collaborative edge information for remote sensing image compression. Knowledge-Based Systems, 310, 112996, 10.1016/j.knosys.2025.112996.

Shi Y., Charles V., Zhu J., 2025. Bank financial sustainability evaluation: Data envelopment analysis with random forest and Shapley additive explanations. European Journal of Operational Research, 321(2), 614-630, 10.1016/j.ejor.2024.09.030.

Shidpour H., Shidpour M., 2025. A quantitative study on the impact of corporate social responsibility on supplier selection and suppliers' market share in the oil industry. Operational Research, 25(1), 11, 10.1007/s12351-024-00879-w.

Shiri D., Akbari V., Salman F.S., 2024. Online algorithms for ambulance routing in disaster response with time-varying victim conditions. OR Spectrum, 46(3), 785-819, 10.1007/s00291-024-00744-4.

Shirooyehpoor K., Samouei P., 2025. Virtual Closed-Loop Supply Chain Considering Secondary Markets, Internet of Things and Reliability. Computers and Industrial Engineering, 200, 110816, 10.1016/j.cie.2024.110816.

Shojaee M., Noori S., Jafarian-Namin S., Johannssen A., Rasay H., 2024. Assessing the economic-statistical performance of an attribute SVSSI-np control chart based on genetic algorithms. Computers and Industrial Engineering, 197, 110401, 10.1016/j.cie.2024.110401.

Shokouhyar S., Maghsoudi M., Khanizadeh S., Jorfi S., 2024. Analyzing supply chain technology trends through network analysis and clustering techniques: a patent-based study. Annals of Operations Research, 341(1), 313-348, 10.1007/s10479-024-06119-w.

Siddig M., Song Y., 2025. Multistage stochastic programming with a random number of stages: Applications in hurricane disaster relief logistics planning. European Journal of Operational Research, 321(3), 925-941, 10.1016/j.ejor.2024.10.004.

Siikonen M.-L., 2024. Current and future trends in vertical transportation. European Journal of Operational Research, 319(2), 361-372, 10.1016/j.ejor.2024.05.016.

Silva J.C.S., De Almeida Filho A.T., 2024. Interactively Learning Rough Strategies That Dynamically Satisfy Investor's Preferences in Multiobjective Index Tracking. IEEE Transactions on Evolutionary Computation, 28(5), 1412-1426, 10.1109/TEVC.2023.3321341.

Silva M.C.M., Aloise D., Jena S.D., 2024. Data-driven prioritization strategies for inventory rebalancing in bike-sharing systems. Omega (United Kingdom), 129, 103141, 10.1016/j.omega.2024.103141.

Simsek S., Dag A., Coussement K., Kibis E.Y., Asilkalkan A., Ragothaman S., 2025. A decision support framework for misstatement identification in financial reporting: A hybrid tree-augmented Bayesian belief approach. Decision Support Systems, 189, 114369, 10.1016/j.dss.2024.114369.

Singh I., Kothari D.P., Aditya S., Rajora M., Agarwal C., Gautam V., 2024. A hybrid metaheuristic optimised ensemble classifier with self organizing map clustering for credit scoring. Operational Research, 24(4), 57, 10.1007/s12351-024-00864-3.

Singh R., Mishra V.K., 2024. Machine learning based fuzzy inventory model for imperfect deteriorating products with demand forecast and partial backlogging under green investment technology. Journal of the Operational Research Society, 75(7), 1223-1238, 10.1080/01605682.2023.2239868.

Singh R., Wrzaczek S., Freiberger M., 2025. The inoculation dilemma: Partial vs Full immunization during the early rollout in a pandemic. Omega (United Kingdom), 132, 103230, 10.1016/j.omega.2024.103230.

Singha S., Pedada K., Racherla P., Pingali S., 2025. Unveiling the metaverse: A comparison of multiple environments. Decision Support Systems, 189, 114384, 10.1016/j.dss.2024.114384.

Singhal S., Kapur P.K., Kumar V., Panwar S., 2024. Stochastic debugging based reliability growth models for Open Source Software project. Annals of Operations Research, 340(1), 531-569, 10.1007/s10479-023-05240-6.

Sinha P., Kumar S., Garg C.P., Chandra C., 2025. A novel framework for optimizing job rotation schedules across industries. Omega (United Kingdom), 132, 103235, 10.1016/j.omega.2024.103235.

Smendowski M., Nawrocki P., 2024. Optimizing multi-time series forecasting for enhanced cloud resource utilization based on machine learning. Knowledge-Based Systems, 304, 112489, 10.1016/j.knosys.2024.112489.

Song A., Wu G., Zhou L., Wang L., Pedrycz W., 2024. Exact and Metaheuristic Algorithms for Variable Reduction. IEEE Transactions on Evolutionary Computation, 28(6), 1704-1718, 10.1109/TEVC.2023.3332913.

Song H., Li J., Du Z., Yu X., Xu Y., Zheng Z., Li J., 2025. A Q-learning driven multi-objective evolutionary algorithm for worker fatigue dual-resource-constrained distributed hybrid flow shop. Computers and Operations Research, 175, 106919, 10.1016/j.cor.2024.106919.

Song H.-B., Lin J., Chen Y.-R., 2025. An effective two-stage heuristic for scheduling the distributed assembly flowshops with sequence dependent setup times. Computers and Operations Research, 173, 106850, 10.1016/j.cor.2024.106850.

Song H.-H., Wang Y.-M., Martínez L., 2024. Enhancing group decision-making: Maximum consensus aggregation for fuzzy cross-efficiency under hesitant fuzzy linguistic information.

Computers and Industrial Engineering, 197, 110622, 10.1016/j.cie.2024.110622.

Song J., Chang X.-H., 2024. Protocol-based secure guaranteed cost control of sampled-data T-S fuzzy system with denial-of-service attack and input saturation. Fuzzy Sets and Systems, 497, 109114, 10.1016/j.fss.2024.109114.

Song J., Miao C., Kong F., 2025. Scheduling with step learning and job rejection. Operational Research, 25(1), 6, 10.1007/s12351-024-00887-w.

Song Y., Barton P.I., 2024. New Generalized Derivatives for Solving Variational Inequalities Using the Nonsmooth Newton Methods. Journal of Optimization Theory and Applications, 203(3), 2818-2847, 10.1007/s10957-024-02548-6.

Song Y., Sun T., 2024. Ensemble Experiments to Optimize Interventions Along the Customer Journey: A Reinforcement Learning Approach. Management Science, 70(8), 5115-5130, 10.1287/mnsc.2023.4914.

Song Z., Shi L., Pu S., Yan M., 2024. Optimal gradient tracking for decentralized optimization. Mathematical Programming, 207, 1-53, 10.1007/s10107-023-01997-7.

Song Z., Wang H., Xue B., Zhang M., 2024. Balancing Different Optimization Difficulty Between Objectives in Multiobjective Feature Selection. IEEE Transactions on Evolutionary Computation, 28(6), 1824-1837, 10.1109/TEVC.2023.3334233.

Song Z., Wang H., Xue B., Zhang M., Jin Y., 2024. Balancing Objective Optimization and Constraint Satisfaction in Expensive Constrained Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 28(5), 1286-1300, 10.1109/TEVC.2023.3300181.

Sonntag K., Gebken B., Müller G., Peitz S., Volkwein S., 2024. A Descent Method for Nonsmooth Multiobjective Optimization in Hilbert Spaces. Journal of Optimization Theory and Applications, 203(1), 455-487, 10.1007/s10957-024-02520-4.

Soylu B., Yıldırım B., 2025. A hub-and-spoke network design for relocating emergency service vehicles. Computers and Operations Research, 174, 106898, 10.1016/j.cor.2024.106898.

Speckenmeyer P., Hilmer C., Rauchecker G., Schryen G., 2025. Parallel branch-and-price algorithms for the single machine total weighted tardiness scheduling problem with sequence-dependent setup times. Computers and Operations Research, 173, 106804, 10.1016/j.cor.2024.106804.

Stoop K., Pickavet M., Colle D., Audenaert P., 2024. The dynamic stochastic container drayage problem with truck appointment scheduling. OR Spectrum, 46(3), 953-985, 10.1007/s00291-024-00762-2.

Strati F., Trussoni L.G., 2025. Genetic algorithm-based selection of optimal Monte Carlo simulations. Computers and Operations Research, 176, 106958, 10.1016/j.cor.2024.106958.

Strauss O., Rico A., Pasquet J., Pibre L., 2025. Combining thresholded real values for designing an artificial neuron in a neural network. Fuzzy Sets and Systems, 499, 109191, 10.1016/j.fss.2024.109191.

Su J., Chen Y., Zhang D., 2024. Game Model of Stable Cooperation During Resource Distribution in Self-Organized Emergency Management System. Group Decision and Negotiation, 33(6), 1325-1353, 10.1007/s10726-024-09896-8.

Su Q., Zhou X., Liu Q., Zhang K., 2025. Optimal cause marketing strategies for online platforms and third-party sellers: A spokes model analysis. Omega (United Kingdom), 133, 103271, 10.1016/j.omega.2024.103271.

Sui X., Zhang Y., Song K., Zhou B., Yuan X., 2024. Multi-level feature interaction for open knowledge base canonicalization. Knowledge-Based Systems, 303, 112386, 10.1016/j.knosys.2024.112386.

Sun B., Li G., Wang S., Xie C., 2025. Two-dimensional bin-packing problem with conflicts and load balancing: A hybrid chaotic and evolutionary particle swarm optimization algorithm. Computers and Industrial Engineering, 200, 110851, 10.1016/j.cie.2024.110851.

Sun C., Li H., Feng J.-E., 2025. Construction of interpretable hierarchical fuzzy systems subject to incomplete data. Fuzzy Sets and Systems, 505, 109273, 10.1016/j.fss.2025.109273.

Sun J., Wu D., Yu C., 2024. Risk-Averse Optimal Control Model Under Uncertainty and Its Modified Progressive Hedging Algorithm. Journal of Optimization Theory and Applications, 203(1), 960-984, 10.1007/s10957-024-02540-0.

Sun N., Jin J., Meng L., Lin W., Wang H., Liu L., Zhang H., 2025. MFCQA: Multi-Range Feature Cross-Attention Mechanism for no-reference image quality assessment. Knowledge-Based Systems, 310, 113027, 10.1016/j.knosys.2025.113027.

Sun S., Gong Z., Wei G., Guo W., 2025. Social trust evolution analysis: Group decision making by utilizing stochastic Petri nets and strategic manipulation. Computers and Industrial Engineering, 201, 110884, 10.1016/j.cie.2025.110884.

Sun X., Beghi A., Susto G.A., Lv Z., 2024. Deep learning-based quality prediction for multi-stage sequential hot rolling processes in heavy rail manufacturing. Computers and Industrial Engineering, 196, 110466, 10.1016/j.cie.2024.110466.

Sun Y., Esler S., Thiruvady D., Ernst A.T., Li X., Morgan K., 2024. Instance space analysis for the car sequencing problem. Annals of Operations Research, 341(1), 41-69, 10.1007/s10479-022-04860-8.

Suresh A., Deb K., 2024. Machine Learning-Based Prediction of New Pareto-Optimal Solutions from Pseudo-Weights. IEEE Transactions on Evolutionary Computation, 28(5), 1351-1365, 10.1109/TEVC.2023.3319494.

Szádoczki Z., Bozóki S., 2024. Geometric interpretation of efficient weight vectors. Knowledge-Based Systems, 303, 112403, 10.1016/j.knosys.2024.112403.

Szandała T., Maciejewski H., 2024. Discriminating feature ratio: Introducing metric for uncovering vulnerabilities in deep convolutional neural networks. Knowledge-Based Systems, 302, 112306, 10.1016/j.knosys.2024.112306.

T'kindt V., Della Croce F., Liedloff M., 2024. Moderate exponential-time algorithms for scheduling problems. Annals of Operations Research, 343(2), 753-783, 10.1007/s10479-024-06289-7.

Taheri N., Pishvaee M.S., Jahani H., 2025. A robust multi-objective optimization model for grid-scale design of sustainable cropping patterns: A case study. Computers and Industrial Engineering, 200, 110772, 10.1016/j.cie.2024.110772.

Talavera F.J., Ardanza-Trevijano S., Bragard J., Elorza J., 2025. New types of domination to characterize the preservation of T-subgroups under aggregation. Fuzzy Sets and Systems, 498, 109139, 10.1016/j.fss.2024.109139.

Talens C., Valente J.M.S., Fernandez-Viagas V., 2024. New heuristics for the 2-stage assembly scheduling problem with total earliness and tardiness minimisation: A computational evaluation. Computers and Operations Research, 172, 106824, 10.1016/j.cor.2024.106824.

Tan Z., Shao S., Xu M., Wang K., 2025. Regulating the emissions of a bi-modal freight corridor considering non-cooperative authorities. International Journal of Production Economics, 280, 109493, 10.1016/j.ijpe.2024.109493.

Tanabe R., Li K., 2024. Quality Indicators for Preference-Based Evolutionary Multiobjective Optimization Using a Reference Point: A Review and Analysis. IEEE Transactions on Evolutionary Computation, 28(6), 1575-1589, 10.1109/TEVC.2023.3319009.

Tang C., Goh M., Zhao S., Zhang Q., 2024. Priority-based two-phase method for hierarchical service composition allocation in cloud manufacturing. Computers and Industrial Engineering, 196, 110517, 10.1016/j.cie.2024.110517.

Tang H., Liang D., 2025. Multi-view reject inference for semi-supervised credit scoring with consistency training and three-way decision. Omega (United Kingdom), 133, 103280, 10.1016/j.omega.2025.103280.

Tang J., Meng F., 2024. An Adaptive Core-Nash Bargaining Game Consensus Mechanism for Group Decision Making. Group Decision and Negotiation, 33(4), 805-837, 10.1007/s10726-024-09888-8.

Tang Y., Wang L., Kang W., Liu W., Zhuang Y., 2025. Cooperative scheduling of airport ground electric service vehicles considering workload balance: A column generation approach. Computers and Industrial Engineering, 200, 110773, 10.1016/j.cie.2024.110773.

Tanksale A., Dalal J., Dubey N., 2024. Integrated foodbank network design: Model and a case study. International Journal of Production Economics, 277, 109385, 10.1016/j.ijpe.2024.109385.

Tanveer M., Rajani T., Rastogi R., Shao Y.H., Ganaie M.A., 2024. Comprehensive review on twin support vector machines. Annals of Operations Research, 339(3), 1223-1268, 10.1007/s10479-022-04575-w.

Tao B., Yan L., Zhao Y., Wang M., Ouyang L., 2025. Bayesian analysis of multi-fidelity modeling in the stochastic simulations. Computers and Industrial Engineering, 199, 110749, 10.1016/j.cie.2024.110749.

Tao L., Tao R., Xie N., 2025. Optimization of the seru production system with demand fluctuation: A Mean-CVaR model. Computers and Industrial Engineering, 199, 110760, 10.1016/j.cie.2024.110760.

Tarasov I., Haït A., Lazarev A., Battaïa O., 2024. Metric estimation approach for managing uncertainty in resource leveling problem. Annals of Operations Research, 338(1), 645-673, 10.1007/s10479-024-05897-7.

Tasić J., Dražić Z., Stanimirović Z., 2025. A VNS method for the conditional p-next center problem. Computers and Operations Research, 175, 106916, 10.1016/j.cor.2024.106916.

Tavana M., Khalili Nasr A., Santos-Arteaga F.J., Saberi E., Mina H., 2024. An optimization model with a lagrangian relaxation algorithm for artificial internet of things-enabled sustainable circular supply chain networks. Annals of Operations Research, 342(1), 767-802, 10.1007/s10479-023-05219-3.

Tavana M., Schoenherr T., Cheng Y., Kumar A., Ngai E.W.T., 2024. Digital operations research models for intelligent machines (industry 4.0) and man-machine (industry 5.0) systems. Annals of Operations Research, 342(2), 1041-1047, 10.1007/s10479-024-06366-x.

Tavana M., Sorooshian S., Mina H., 2024. An integrated group fuzzy inference and best–worst method for supplier selection in intelligent circular supply chains. Annals of Operations Research, 342(1), 803-844, 10.1007/s10479-023-05680-0.

Teichert K., Seidel T., Süss P., 2024. Combining discrete and continuous information for multi-criteria optimization problems. Mathematical Methods of Operations Research, 100(1), 153-173, 10.1007/s00186-024-00849-0.

Teimoury E., Rashid R., 2024. A hybrid variable neighborhood search heuristic for the sustainable time-dependent truck-drone routing problem with rendezvous locations. Journal of Heuristics, 30, 1-41, 10.1007/s10732-023-09520-z.

Temiz S., Kazanç H.C., Soysal M., Çimen M., 2025. A probabilistic bi-objective model for a humanitarian location-routing problem under uncertain demand and road closure. International Transactions in Operational Research, 32(2), 590-625, 10.1111/itor.13475.

Teng F., Liu X., Liu P., 2024. Enhanced minimum cost consensus model for interval type-2 fuzzy social network group decision making focusing on individual attributes and group attitude. Computers and Industrial Engineering, 197, 110493, 10.1016/j.cie.2024.110493.

Thakur K., Maity S., Nielsen P., Pal T., Maiti M., 2024. A 3D multiobjective multi-item eco-routing problem for refrigerated fresh products delivery using NSGA-II with hybrid chromosome. Computers and Industrial Engineering, 198, 110644, 10.1016/j.cie.2024.110644.

Thapa S., Panda S., Ghimire A., Kim D.J., 2024. From engagement to retention: Unveiling factors driving user engagement and continued usage of mobile trading apps. Decision Support Systems, 183, 114265, 10.1016/j.dss.2024.114265.

Thomas T., Srinivas S., Rajendran C., 2024. Collaborative truck multi-drone delivery system considering drone scheduling and en route operations. Annals of Operations Research, 339, 693-739, 10.1007/s10479-023-05418-y.

Thorburn H., Sachs A.-L., Fairbrother J., Boylan J.E., 2024. A time-expanded network design model for staff allocation in mail centres. Journal of the Operational Research Society, 75(10), 1949-1964, 10.1080/01605682.2023.2287613.

Tian B., Xu W., Wang F., Chung T.-P., Gupta J.N.D., 2024. Hub production scheduling problem with mold availability constraints. Computers and Industrial Engineering, 196, 110488, 10.1016/j.cie.2024.110488.

Tian G., Wang M., Yang J., Mi H., Ullah S., Aljuaid M.M., Fathollahi-Fard A.M., 2025. Multi-Objective optimization of selective maintenance process considering profitability and

personnel energy consumption. Computers and Industrial Engineering, 200, 110870, 10.1016/j.cie.2025.110870.

Tian H.-P., Zhang Z., 2025. Partial distance evidential clustering for missing data with multiple imputation. Knowledge-Based Systems, 310, 112948, 10.1016/j.knosys.2024.112948.

Tian J.-P., Jia W.-S., Zhou L., 2024. Existence and Stability of Fuzzy Slightly Altruistic Equilibrium for a Class of Generalized Multiobjective Fuzzy Games. Journal of Optimization Theory and Applications, 203(1), 111-125, 10.1007/s10957-024-02471-w.

Tian S., Huangfu C., Deng X., 2024. Research on comprehensive optimisation of AGVs scheduling at intelligent express distribution centres based on improved GA. Journal of the Operational Research Society, 75(10), 1875-1892, 10.1080/01605682.2023.2283518.

Tian Z., Zhang H., Wang Y., 2024. Personalised soft prompt tuning in pre-trained language models: Bridging multitask transfer learning and crowdsourcing learning. Knowledge-Based Systems, 305, 112646, 10.1016/j.knosys.2024.112646.

Tomljenovic V., Merzifonluoglu Y., Spigler G., 2024. Optimizing inland container shipping through reinforcement learning. Annals of Operations Research, 339, 1025-1050, 10.1007/s10479-024-05927-4.

Topaloğlu F., 2024. Development of a new hybrid method for multi-criteria decision making (MCDM) approach: a case study for facility location selection. Operational Research, 24(4), 60, 10.1007/s12351-024-00871-4.

Torabi P., Hemmati A., Oleynik A., Alendal G., 2025. A deep reinforcement learning hyperheuristic for the covering tour problem with varying coverage. Computers and Operations Research, 174, 106881, 10.1016/j.cor.2024.106881.

Torba R., Dauzère-Pérès S., Yugma C., Gallais C., Pouzet J., 2024. Solving a real-life multi-skill resource-constrained multi-project scheduling problem. Annals of Operations Research, 338(1), 69-114, 10.1007/s10479-023-05784-7.

Torrado N., Ozkut M., 2024. Analyzing component failures in series-parallel systems with dependent components. Computers and Industrial Engineering, 197, 110604, 10.1016/j.cie.2024.110604.

Tremblet D., Thevenin S., Dolgui A., 2025. Constraint learning approaches to improve the approximation of the capacity consumption function in lot-sizing models. European Journal of Operational Research, 322(2), 679-692, 10.1016/j.ejor.2024.11.039.

Triantaphyllou E., Yanase J., 2024. The use of pairwise comparisons for decision making may lead to grossly inaccurate results. Computers and Industrial Engineering, 198, 110653, 10.1016/j.cie.2024.110653.

Trieu V.-H., Vu H.Q., Indulska M., Li G., 2024. A computer vision-based concept model to recommend domestic overseas-like travel experiences: A design science study. Decision Support Systems, 181, 114149, 10.1016/j.dss.2023.114149.

Tschernutter D., Feuerriegel S., 2025. Data-driven dynamic police patrolling: An efficient Monte Carlo tree search. European Journal of Operational Research, 321(1), 177-191, 10.1016/j.ejor.2024.09.019.

Tu Y., Xie Y., Shi H., Li Z., 2024. Incorporating interaction and transaction behaviors into a bi-level consensus model fusing with maximum return and minimum cost. Journal of the Operational Research Society, 75(11), 2155-2170, 10.1080/01605682.2024.2308560.

Tudisco V., Perotti S., Ekren B.Y., Aktas E., 2025. Sustainable e-grocery home delivery: An optimization model considering on-demand vehicles. Computers and Industrial Engineering, 201, 110874, 10.1016/j.cie.2025.110874.

Tükenmez İ., Saraç T., Kaya O., 2024. A MILP model and a heuristic algorithm for post-disaster connectivity problem with heterogeneous vehicles. Journal of Heuristics, 30, 359-396, 10.1007/s10732-024-09531-4.

Ulaş Koyuncuoğlu M., 2024. Most important performance evaluation methods of production lines: A comprehensive review on historical perspective and emerging trends. Computers and Industrial Engineering, 197, 110623, 10.1016/j.cie.2024.110623.

Urgo M., Manzini M., 2024. An upper bound for the inter-exit time of two jobs in an m-machine flow shop. Annals of Operations Research, 338(1), 379-405, 10.1007/s10479-024-05957-y.

Ursu R.M., Erdem T., Wang Q., Zhang Q., 2024. Prior Information and Consumer Search: Evidence from Eye Tracking. Management Science, 70(12), 8685-8708, 10.1287/mnsc.2021.00611.

Uysal A.S., Li X., Mulvey J.M., 2024. End-to-end risk budgeting portfolio optimization with neural networks. Annals of Operations Research, 339, 397-426, 10.1007/s10479-023-05539-4.

Uzunoglu A., Gahm C., Tuma A., 2024. A machine learning enhanced multi-start heuristic to efficiently solve a serial-batch scheduling problem. Annals of Operations Research, 338(1), 407-428, 10.1007/s10479-023-05541-w.

Uzunoglu A., Gahm C., Tuma A., 2025. Machine Learning based Algorithm Selection and Genetic Algorithms for serial-batch scheduling. Computers and Operations Research, 173, 106827, 10.1016/j.cor.2024.106827.

Vaid R., Jain K., Sahi G.K., Modi P., 2025. Designing a resilient agriculture supply network for mitigating the disruptions. Annals of Operations Research, 344(1), 102819, 10.1007/s10479-024-06143-w.

van Heerden Q., van Vuuren J.H., 2025. A distributed simulation-optimisation framework in support of density goal pursuit in large-scale urban growth scenarios. Computers and Industrial Engineering, 201, 110859, 10.1016/j.cie.2025.110859.

Vasalakis S., Spyridakos A., 2025. Memetic algorithms and dynamic programming on vehicle routing problems in crisis situations. Operational Research, 25(1), 8, 10.1007/s12351-024-00885-y.

Vazquez-Noguerol M., Prado-Prado J.C., 2025. Application of analytics in food retailing to improve online order picking time estimations. International Journal of Production Economics, 280, 109497, 10.1016/j.ijpe.2024.109497.

Venske S.M.S., de Almeida C.P., Delgado M.R., 2024. Metaheuristics and machine learning: an approach with reinforcement learning assisting neural architecture search. Journal of Heuristics, 30, 199-224, 10.1007/s10732-024-09526-1.

Ventre V., Martino R., Castellano R., Sarnacchiaro P., 2024. The analysis of the impact of the framing effect on the choice of financial products: an analytical hierarchical process

approach. Annals of Operations Research, 342(3), 1563-1579, 10.1007/s10479-022-05142-z.

Verleijsdonk P., van Jaarsveld W., Kapodistria S., 2024. Scalable policies for the dynamic traveling multi-maintainer problem with alerts. European Journal of Operational Research, 319(1), 121-134, 10.1016/j.ejor.2024.05.049.

Vetschera R., Dias L.C., 2024. Confidence and Outcome Expectations in Bilateral Negotiations–A Dynamic Model. Group Decision and Negotiation, 33(4), 775-803, 10.1007/s10726-024-09886-w.

Veysmoradi D., Eydi A., Vahdani B., 2024. The planning of the distribution of relief items and road network repair through multiple heterogeneous crews and prioritizing damaged roads under a flexible and uncertain environment. Computers and Industrial Engineering, 196, 110481, 10.1016/j.cie.2024.110481.

Vlćek T., Haase K., Fliedner M., Cors T., 2024. Police service district planning. OR Spectrum, 46(4), 1029-1061, 10.1007/s00291-024-00745-3.

Vu T.-A., Afifi S., Lefèvre E., Pichon F., 2025. Optimization problems with uncertain objective coefficients using capacities. Annals of Operations Research, 344(1), 108941, 10.1007/s10479-024-06331-8.

Wachowicz T., Roszkowska E., 2025. How well may the direct linguistic declarations substitute AHP in defining accurate criteria weights?. International Transactions in Operational Research, 32(2), 1088-1118, 10.1111/itor.13339.

Wallrath R., Franke M., Walter M., 2025. Improved linear programming relaxations for flow shop problems with makespan minimization. Computers and Operations Research, 177, 106970, 10.1016/j.cor.2024.106970.

Wan L., Cui X., Zhao H., Fu L., Li C., 2024. A novel method for solving dynamic flexible job-shop scheduling problem via DIFFormer and deep reinforcement learning. Computers and Industrial Engineering, 198, 110688, 10.1016/j.cie.2024.110688.

Wan S.-P., Dong J.-Y., Chen S.-M., 2024. An integrated method for shared power bank supplier selection based on linguistic hesitant fuzzy multi-criteria group decision making. Knowledge-Based Systems, 301, 112300, 10.1016/j.knosys.2024.112300.

Wan X., Kumar A., Li X., 2024. How Do Product Recommendations Help Consumers Search? Evidence from a Field Experiment. Management Science, 70(9), 5776-5794, 10.1287/mnsc.2023.4951.

Wan X., Teng Z., Zhang Z., Liu X., Du Z., 2024. Equity financing risk assessment based on PLTS-ER approach in marine ranching from the ecological and circular economy perspectives. Annals of Operations Research, 342(1), 875-920, 10.1007/s10479-023-05222-8.

Wang A., Li X., Arbogast J.E., Wilson Z., Gounaris C.E., 2025. A novel mixed-integer linear programming formulation for continuous-time inventory routing. Computers and Operations Research, 174, 106883, 10.1016/j.cor.2024.106883.

Wang B., Tian Z., Liu X., Xia Y., She W., Liu W., 2025. A multi-center federated learning mechanism based on consortium blockchain for data secure sharing. Knowledge-Based Systems, 310, 112962, 10.1016/j.knosys.2025.112962.

Wang B.-T., Pan Q.-K., Gao L., Li W., 2024. The paradoxes, accelerations and heuristics for a constrained distributed flowshop group scheduling problem. Computers and Industrial Engineering, 196, 110465, 10.1016/j.cie.2024.110465.

Wang C., Wang Q., Xiang X., Zhang C., Miao L., 2025. Optimizing integrated berth allocation and quay crane assignment: A distributionally robust approach. European Journal of Operational Research, 320(3), 593-615, 10.1016/j.ejor.2024.08.001.

Wang C., Zhao J., Li L., Jiao L., Liu F., Liu X., Yang S., 2025. Knowledge-aware evolutionary graph neural architecture search. Knowledge-Based Systems, 309, 112810, 10.1016/j.knosys.2024.112810.

Wang D., Fang K., Luo W., Ouyang W., 2024. Approximation algorithms for mixed batch scheduling on parallel machines. Journal of the Operational Research Society, 75(12), 2365-2374, 10.1080/01605682.2024.2314251.

Wang D., Liu W., Liang Y., 2024. Green innovation in logistics service supply chain: the impacts of relationship strength and overconfidence. Annals of Operations Research, 343(3), 106701, 10.1007/s10479-022-04621-7.

Wang D., Zhang P., Deng P., Wu Q., Chen W., Jiang T., Huang W., Li T., 2024. An autoencoder-like deep NMF representation learning algorithm for clustering. Knowledge-Based Systems, 305, 112597, 10.1016/j.knosys.2024.112597.

Wang F., Liao H., Tol R.S.J., Ji C., 2024. Endogenous Preference for Nonmarket Goods in Carbon Abatement Decisions. Decision Analysis, 21(4), 235-251, 10.1287/deca.2023.0138.

Wang F., Zhang H., Wang J., 2025. Strategic behavior in multi-criteria sorting with trust relationships-based consensus mechanism: Application in supply chain risk management. European Journal of Operational Research, 321(3), 907-924, 10.1016/j.ejor.2024.10.027.

Wang G., 2024. Disaster relief supply chain network planning under uncertainty. Annals of Operations Research, 338, 1127-1156, 10.1007/s10479-024-05933-6.

Wang G., Wang M., Yang H., Yang G., Wang C., 2024. Existence of α-Robust Weak Nash Equilibria for Leader–Follower Population Games with Fuzzy Parameters. Journal of Optimization Theory and Applications, 203(3), 122189, 10.1007/s10957-024-02534-y.

Wang H., Peng T., Li X., He J., Liu W., Tang R., 2025. An integrated simulation–optimization method for flexible assembly job shop scheduling with lot streaming and finite transport resources. Computers and Industrial Engineering, 200, 110790, 10.1016/j.cie.2024.110790.

Wang H., Villa F., Vallada E., Ruiz R., 2025. Solving the yard crane scheduling problem with dynamic assignment of input/output points. Computers and Operations Research, 173, 106853, 10.1016/j.cor.2024.106853.

Wang H., Williams B., Xie K., Chen W., 2024. Quality Differentiation and Matching Performance in Peer-to-Peer Markets: Evidence from Airbnb Plus. Management Science, 70(7), 4260-4282, 10.1287/mnsc.2020.03920.

Wang H., Xin Y.-J., Deveci M., Pedrycz W., Wang Z., Chen Z.-S., 2024. Leveraging online reviews and expert opinions for electric vehicle type prioritization. Computers and Industrial Engineering, 197, 110579, 10.1016/j.cie.2024.110579.

Wang H.-K., Chou C.-W., Wang C.-H., Ho L.-A., 2024. Sustainable scheduling of TFT-LCD cell production: A hybrid dispatching rule and two-phase genetic algorithm. International Journal of Production Economics, 278, 109412, 10.1016/j.ijpe.2024.109412.

Wang H.-K., Yang T.-Y., Wang Y.-H., Wu C.-L., 2025. Hybrid dispatching and genetic algorithm for the surface mount technology scheduling problem in semiconductor factories. International Journal of Production Economics, 280, 109500, 10.1016/j.ijpe.2024.109500.

Wang J., Golden B., Mazurek J., 2025. Interval pairwise comparisons in the presence of infeasibilities: Numerical experiments. Computers and Operations Research, 173, 106856, 10.1016/j.cor.2024.106856.

Wang J., Liu H.-C., Zhang J., Shi H., Zhang Q.-Z., 2024. New approach for quality function development based on cooperative game-based consensus mechanism and three-way decision method. International Journal of Production Economics, 276, 109380, 10.1016/j.ijpe.2024.109380.

Wang J., Ma H., Zhang M., Zhang L., Chang L., 2025. Multi-Granularity Ensemble Interaction Graph Modeling for Knowledge Tracing. Knowledge-Based Systems, 309, 112834, 10.1016/j.knosys.2024.112834.

Wang J., Zhao X., Xiang J., 2024. Optimum design and replacement policies for k-out-of-n systems with deviation time and cost. Annals of Operations Research, 340(1), 593-617, 10.1007/s10479-022-05043-1.

Wang L., Cheng S., Lu F., 2025. Decomposing spatio-temporal heterogeneity: Matrix-informed ensemble learning for interpretable prediction. Knowledge-Based Systems, 309, 112906, 10.1016/j.knosys.2024.112906.

Wang L., Huang J., Huang L., Wang F., Gao C., Li J., Xiao F., Luo D., 2024. Attention-disentangled re-ID network for unsupervised domain adaptive person re-identification. Knowledge-Based Systems, 304, 112583, 10.1016/j.knosys.2024.112583.

Wang L., Li B., Zhao X., 2024. Multi-objective predictive maintenance scheduling models integrating remaining useful life prediction and maintenance decisions. Computers and Industrial Engineering, 197, 110581, 10.1016/j.cie.2024.110581.

Wang L., Li M., Kong G., Xu H., 2024. Joint decision-making for divisional seru scheduling and worker assignment considering process sequence constraints. Annals of Operations Research, 338, 1157-1185, 10.1007/s10479-024-05983-w.

Wang L., Yao J., Zhang X., 2024. How Does Risk Hedging Impact Operations? Insights from a Price-Setting Newsvendor Model. Management Science, 70(7), 4912-4931, 10.1287/mnsc.2023.4942.

Wang M., Liang D., Cao W., Fu Y., 2024. Physician recommendation via online and offline social network group decision making with cross-network uncertain trust propagation. Annals of Operations Research, 341(1), 583-619, 10.1007/s10479-022-04827-9.

Wang S., Li X., Hu Y., Chu F., 2024. A bay design problem in less-than-unit-load production warehouse. Computers and Operations Research, 171, 106792, 10.1016/j.cor.2024.106792.

Wang S., Liu M., Dong Z., 2024. Remaining useful life prediction based on multi-stage Wiener process and Bayesian information criterion. Computers and Industrial Engineering, 196, 110496, 10.1016/j.cie.2024.110496.

Wang S., Mei Y., Zhang M., 2024. Explaining Genetic Programming-Evolved Routing Policies for Uncertain Capacitated Arc Routing Problems. IEEE Transactions on Evolutionary Computation, 28(4), 918-932, 10.1109/TEVC.2023.3238741.

Wang S., Wei P., Kong Q., Mao W., 2024. A knowledge enhanced learning and semantic composition model for multi-claim fact checking. Knowledge-Based Systems, 304, 112439, 10.1016/j.knosys.2024.112439.

Wang S., Zhou A., 2024. Regularity Evolution for Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 28(5), 1470-1483, 10.1109/TEVC.2023.3306523.

Wang T., Zhang Y., Hu X., 2024. A Q-learning based hyper-heuristic scheduling algorithm with multi-rule selection for sub-assembly in shipbuilding. Computers and Industrial Engineering, 197, 110567, 10.1016/j.cie.2024.110567.

Wang T., Zong W., Su Y., Mesiar R., 2025. Abstractly homogeneous aggregation functions with respect to a given continuous t-norm. Fuzzy Sets and Systems, 505, 109283, 10.1016/j.fss.2025.109283.

Wang W., Liu H.-L., 2024. Conditional Generative Adversarial Network-Based Bilevel Evolutionary Multiobjective Optimization Algorithm. IEEE Transactions on Evolutionary Computation, 28(5), 1205-1219, 10.1109/TEVC.2023.3296536.

Wang X., Ferreira F.A.F., Yan P., 2024. A multi-objective competency-based decision support system for the assignment of internal auditors to multiple projects. Annals of Operations Research, 338(1), 303-334, 10.1007/s10479-024-05855-3.

Wang X., Liang Y., Chew E.P., Li H., Tan K.C., 2024. Integrated optimization of pilot and pilot carrier routing in seaports. Computers and Operations Research, 171, 106789, 10.1016/j.cor.2024.106789.

Wang X., Matta A., Geng N., Zhou L., Jiang Z., 2025. Simulation-based emergency department staffing and scheduling optimization considering part-time work shifts. European Journal of Operational Research, 321(2), 631-643, 10.1016/j.ejor.2024.09.020.

Wang X., Wang Z., Dolata M., Nunamaker J.F., 2024. How credibility assessment technologies affect decision fairness in evidence-based investigations: A Bayesian perspective. Decision Support Systems, 187, 114326, 10.1016/j.dss.2024.114326.

Wang X., Zhang R., Zhu X., 2024. What can we learn from multimorbidity? A deep dive from its risk patterns to the corresponding patient profiles. Decision Support Systems, 186, 114313, 10.1016/j.dss.2024.114313.

Wang X., Zhao X., Zhao X., Chen X., Ning R., 2024. Reliability assessment for a generalized k-out-of-n: F system under a mixed shock model with multiple sources. Computers and Industrial Engineering, 196, 110459, 10.1016/j.cie.2024.110459.

Wang X., Zhu S., Chen Q., 2025. Unrelated parallel machine scheduling with random rework and limited preemption.

Computers and Operations Research, 177, 106968, 10.1016/j.cor.2024.106968.

Wang Y., An J., Zhao X., Lu X., 2024. Competency or investment? The impact of NFT design features on product performance. Decision Support Systems, 187, 114341, 10.1016/j.dss.2024.114341.

Wang Y., Han Y., Wang Y., Pan Q.-K., Wang L., 2024. Sustainable Scheduling of Distributed Flow Shop Group: A Collaborative Multi-Objective Evolutionary Algorithm Driven by Indicators. IEEE Transactions on Evolutionary Computation, 28(6), 1794-1808, 10.1109/TEVC.2023.3339558.

Wang Y., Mo P., Chen J., Liu Z., 2025. Managing oversaturation in BRT corridors: A new approach of timetabling for resilience enhancement using a tailored integer L-shaped algorithm. European Journal of Operational Research, 320(1), 219-238, 10.1016/j.ejor.2024.07.035.

Wang Y., Sun W., Abedin M.Z., Hajek P., Xue W., 2025. A multi-objective lot sizing procurement model for multi-period cold chain management including supplier and carrier selection. Omega (United Kingdom), 130, 103165, 10.1016/j.omega.2024.103165.

Wang Y., Zhang J., Li X., Luo Q., 2025. A design of sliding mode control for uncertain T-S fuzzy systems with multiple input matrices. Fuzzy Sets and Systems, 498, 109154, 10.1016/j.fss.2024.109154.

Wang Y.-N., Li F., Shen H., 2024. State estimation of singularly perturbed Semi-Markov jump coupled neural networks: A two-time-scale event-triggered approach. Knowledge-Based Systems, 301, 112299, 10.1016/j.knosys.2024.112299.

Wang Y.-Z., Zheng Z., Zhang S.-Y., Gao X.-Q., 2024. A robust optimization method for multi-cast batching plans and casting start time dynamic decision in continuous casting process. Computers and Industrial Engineering, 197, 110587, 10.1016/j.cie.2024.110587.

Wang Z., Chen H., Luo J., Wang C., Xu X., Zhou Y., 2024. Sharing service in healthcare systems: A recent survey. Omega (United Kingdom), 129, 103158, 10.1016/j.omega.2024.103158.

Wang Z., Chen Y., Ni Y., Huang X., Shen H., 2025. Data-driven event-triggered control for discrete-time T-S fuzzy systems subject to actuator saturation. Fuzzy Sets and Systems, 501, 109204, 10.1016/j.fss.2024.109204.

Wang Z., Liu H., Fan X., Zhang T., 2024. Integrating machine learning and robust optimization for new product development: A consumer and expert preference-based approach. Computers and Industrial Engineering, 197, 110520, 10.1016/j.cie.2024.110520.

Wang Z., Luo Z., Shen H., 2025. Data-driven robust flexible personnel scheduling. Computers and Operations Research, 176, 106935, 10.1016/j.cor.2024.106935.

Wang Z.-J., Chen Z.-S., Su Q., Chin K.-S., Pedrycz W., Skibniewski M.J., 2024. Enhancing the sustainability and robustness of critical material supply in electrical vehicle market: an AI-powered supplier selection approach. Annals of Operations Research, 342(1), 921-958, 10.1007/s10479-023-05698-4.

Wang Z.-J., Sun Y., Su Q., Deveci M., Govindan K., Skibniewski M.J., Chen Z.-S., 2024. Smart Contract Application in Resisting Extreme Weather Risks for the Prefabricated Construction Supply Chain: Prototype Exploration and Assessment. Group Decision and Negotiation, 33(5), 1049-1087, 10.1007/s10726-024-09877-x.

Waqas Iqbal M., 2024. Waste management of multiple food products through IoT enabled preservation policies and secondary supply chains. Computers and Industrial Engineering, 197, 110569, 10.1016/j.cie.2024.110569.

Waychal N., Laha A.K., Sinha A., 2024. An adaptive multi-objective optimal forecast combination and its application for predicting intermittent demand. Journal of the Operational Research Society, 75(9), 1813-1825, 10.1080/01605682.2023.2277865.

Wei A.-T., Liu S., Lenhert S., Wang H., 2024. Improving Bayesian optimization via hierarchical variation modeling for combinatorial experiments given limited runs guided by process knowledge. Knowledge-Based Systems, 305, 112596, 10.1016/j.knosys.2024.112596.

Wei B., Wang N., Jiang B., He Z., 2025. Optimal environmental regulation and firms' location choice under yield uncertainty. Annals of Operations Research, 344(1), 413-456, 10.1007/s10479-024-06225-9.

Wei J., Xu X., Yang B., 2024. Data-driven vehicle rental and routing optimization: An application in online retailing. Computers and Industrial Engineering, 197, 110588, 10.1016/j.cie.2024.110588.

Wei N., Zhang P., 2024. Adjustability in robust linear optimization. Mathematical Programming, 208, 581-628, 10.1007/s10107-023-02049-w.

Wei P., Xu Z.Q., 2025. Dynamic growth-optimal portfolio choice under risk control. European Journal of Operational Research, 322(1), 325-340, 10.1016/j.ejor.2024.10.043.

Wei Y., Haitao H., Yuan K., Schaefer G., Ji Z., Fang H., 2024. A Memory-augmented Conditional Neural Process model for traffic prediction. Knowledge-Based Systems, 304, 112578, 10.1016/j.knosys.2024.112578.

Wei Y., Ling X., Liu S., 2024. Bayesian calculation of degradation-based burn-in policy for heterogeneous item under two-dimensional warranty. Computers and Industrial Engineering, 198, 110638, 10.1016/j.cie.2024.110638.

Wei Z., Hao J.-K., Ren J., Wu Q., Rodriguez-Tello E., 2024. An intensification-driven search algorithm for the family traveling salesman problem with incompatibility constraints. Knowledge-Based Systems, 302, 112378, 10.1016/j.knosys.2024.112378.

Wen Z., Liao H., Figueira J.R., 2024. A preference disaggregation-driven multiple criteria sorting model based on regret theory. Omega (United Kingdom), 129, 103150, 10.1016/j.omega.2024.103150.

Wohlert L.S., Zimmermann J., 2024. Resource overload problems with tardiness penalty: structural properties and solution approaches. Annals of Operations Research, 338(1), 151-172, 10.1007/s10479-023-05789-2.

Wu C., Li R., Liu C., Wu S., Wong H.-S., 2025. Diverse Semantic Image Synthesis with various conditioning modalities. Knowledge-Based Systems, 309, 112727, 10.1016/j.knosys.2024.112727.

Wu C., Yao W., Wang X., Liu Y., 2025. Relationships between T-transitivity indicators in (T,S,n)-fuzzy preference

structures with rotation invariant t-norms. Fuzzy Sets and Systems, 502, 109230, 10.1016/j.fss.2024.109230.

Wu C.-W., Shu M.-H., Wang T.-C., Chen Y.-L., 2024. Integrating capability index and generalized rule-switching mechanism for enhanced quick-switch sampling systems. International Journal of Production Economics, 276, 109366, 10.1016/j.ijpe.2024.109366.

Wu F., Ye H., Bektaş T., Dong M., 2025. New and tractable formulations for the eco-driving and the eco-routing-and-driving problems. European Journal of Operational Research, 321(2), 445-461, 10.1016/j.ejor.2024.10.005.

Wu L., Huang J., Wang M., Kumar A., 2024. Unleashing supply chain agility: Leveraging data network effects for digital transformation. International Journal of Production Economics, 277, 109402, 10.1016/j.ijpe.2024.109402.

Wu M., Zhang J., Chen X., 2025. Managing supply disruptions for risk-averse buyers: Diversified sourcing vs. disruption prevention. Omega (United Kingdom), 131, 103217, 10.1016/j.omega.2024.103217.

Wu P., Huang H., Lu H., Liu Z., 2024. Stabilized distributed online mirror descent for multi-agent optimization. Knowledge-Based Systems, 304, 112582, 10.1016/j.knosys.2024.112582.

Wu X., Liao H., Zhang C., 2024. Importance-performance analysis to develop product/service improvement strategies through online reviews with reliability. Annals of Operations Research, 342(3), 1905-1924, 10.1007/s10479-023-05594-x.

Wu Y., Feng S., Wu Y., Wang J., Zhou S., Yuan M., Hu Z., Wu C., 2025. Masked region disparity-based unsafe behavior detection via campus monitoring device images. Knowledge-Based Systems, 310, 113051, 10.1016/j.knosys.2025.113051.

Wu Y., Guo H., Shi Y., Zhang W., Wang L., 2024. Vaccination subsidy allocation under budget constraints considering the human interpersonal contact pattern and vaccine protection effect in epidemics. Computers and Industrial Engineering, 198, 110679, 10.1016/j.cie.2024.110679.

Wu Y., Hu Y., Yin S., Cai B., Tang X., Li X., 2024. A graph convolutional network model based on regular equivalence for identifying influential nodes in complex networks. Knowledge-Based Systems, 301, 112235, 10.1016/j.knosys.2024.112235.

Wu Z., Zhen X., Cai G., Tang J., 2025. Offshoring procurement systems with internal decentralization. Naval Research Logistics, 72(1), 91-110, 10.1002/nav.22215.

Wyrowski A., Boysen N., Briskorn D., Schwerdfeger S., 2024. Public transport crowdshipping: moving shipments among parcel lockers located at public transport stations. OR Spectrum, 46(3), 873-907, 10.1007/s00291-024-00748-0.

Xia A., Perera S.C., Ahmed M.U., Tang J., Wang J.-J., 2024. Voice or text? The role of physician media choice on patient experience in online medical communities. Decision Sciences, 55(6), 620-638, 10.1111/deci.12654.

Xia J., He L., Gao X., Hu B., 2025. Blind image quality assessment for in-the-wild images by integrating distorted patch selection and multi-scale-and-granularity fusion. Knowledge-Based Systems, 309, 112772, 10.1016/j.knosys.2024.112772.

Xia T., Wang L., Liu W., Zhang Q., Dong J.-X., Zhu X., 2024. Train assignment and handling capacity arrangement in multi-yard railway container terminals: An enhanced adaptive large neighborhood search heuristic approach. Computers and Industrial Engineering, 198, 110733, 10.1016/j.cie.2024.110733.

Xia Y., Shang R., Wei M., Wei Z., 2024. Optimal pricing and financing decision of dual-channel green supply chain considering product differentiation and blockchain. Annals of Operations Research, 338, 1317-1358, 10.1007/s10479-024-05996-5.

Xiang X., Chang X., Gong L., Liu X., 2025. An innovative framework for optimizing discrete berth allocation and quay crane assignment problems. Computers and Industrial Engineering, 200, 110827, 10.1016/j.cie.2024.110827.

Xiang X., Liu C., Gong L., 2024. Adaptive incentive mechanism with predictors for on-time attended home delivery problem. Computers and Industrial Engineering, 197, 110570, 10.1016/j.cie.2024.110570.

Xiao H., Zeng S., Peng Y., Kou G., 2025. A simulation optimization approach for weight valuation in analytic hierarchy process. European Journal of Operational Research, 321(3), 851-864, 10.1016/j.ejor.2024.10.018.

Xiao J., Cai M., Gong Z., Wei G., Gao Y., 2024. Classification-based consensus model considering quantum interference in linguistic distribution environment. Computers and Industrial Engineering, 198, 110658, 10.1016/j.cie.2024.110658.

Xiao L., Yamasaki T., 2025. Multi-level knowledge distillation for fine-grained fashion image retrieval. Knowledge-Based Systems, 310, 112955, 10.1016/j.knosys.2025.112955.

Xiao Y., Zeng M., Liu B., Zhao L., Kong X., Hao Z., 2024. Multi-task ordinal regression with task weight discovery. Knowledge-Based Systems, 305, 112616, 10.1016/j.knosys.2024.112616.

Xidonas P., Thomakos D., Samitas A., 2025. On the integration of multiple criteria decision aiding and forecasting: Does it create value in portfolio selection?. European Journal of Operational Research, 321(2), 516-528, 10.1016/j.ejor.2024.09.031.

Xie F., Li K., Chen J., Xiao W., Zhou T., 2025. An adaptive large neighborhood search for unrelated parallel machine scheduling with setup times and delivery times. Computers and Operations Research, 177, 106976, 10.1016/j.cor.2025.106976.

Xin J., Yuan Q., D'Ariano A., Guo G., Liu Y., Zhou Y., 2024. Dynamic unbalanced task allocation of warehouse AGVs using integrated adaptive large neighborhood search and Kuhn–Munkres algorithm. Computers and Industrial Engineering, 195, 110410, 10.1016/j.cie.2024.110410.

Xin X., Zhang T., Wang X., He F., Wu L., 2025. Risk-averse distributionally robust optimization for construction waste reverse logistics with a joint chance constraint. Computers and Operations Research, 173, 106829, 10.1016/j.cor.2024.106829.

Xing S., Shao Z., Shao W., Chen J., Pi D., 2024. Joint scheduling of hybrid flow-shop with limited automatic guided vehicles: A hierarchical learning-based swarm optimizer. Computers and Industrial Engineering, 198, 110686, 10.1016/j.cie.2024.110686.

Xiong X., Han J., Yin Y., Cheng T.C.E., 2025. An exact method for the two-echelon split-delivery vehicle routing problem for liquefied natural gas delivery with the boil-off phenomenon. European Journal of Operational Research, 321(1), 123-146, 10.1016/j.ejor.2024.09.040.

Xu C., Zhao M., Li H., 2024. Data-driven simulation methodology for exploring optimal storage location assignment scheme in warehouses. Computers and Industrial Engineering, 198, 110627, 10.1016/j.cie.2024.110627.

Xu J., Jayakumar Nair D., Travis Waller S., 2024. Exploring the pre-disaster evacuation network design problem under five traffic equilibrium models. Computers and Industrial Engineering, 196, 110506, 10.1016/j.cie.2024.110506.

Xu K., Cui Y., Liu J., 2024. Modeling the resilience of liner shipping network under cascading effects: Considering distance constraints and transportation time. Computers and Industrial Engineering, 197, 110559, 10.1016/j.cie.2024.110559.

Xu L., Pan Y., Wu D., Olson D.L., 2025. A novel O2O service recommendation method based on dynamic preference similarity. Omega (United Kingdom), 133, 103278, 10.1016/j.omega.2025.103278.

Xu M., Mei Y., Zhang F., Zhang M., 2024. Genetic Programming for Dynamic Flexible Job Shop Scheduling: Evolution With Single Individuals and Ensembles. IEEE Transactions on Evolutionary Computation, 28(6), 1761-1775, 10.1109/TEVC.2023.3334626.

Xu M., Mei Y., Zhang F., Zhang M., 2024. Genetic Programming with Lexicase Selection for Large-Scale Dynamic Flexible Job Shop Scheduling. IEEE Transactions on Evolutionary Computation, 28(5), 1235-1249, 10.1109/TEVC.2023.3244607.

Xu W., Li Y., 2025. Enhancing information fusion and feature selection efficiency via the PROMETHEE method for multi-source dynamic decision data sets. Knowledge-Based Systems, 309, 112781, 10.1016/j.knosys.2024.112781.

Xu X., He Y., Liu M., Qi P., Yu L., 2025. Multi-stage resource leveling problem with self-operation and outsourcing cooperation in sharing logistics. Omega (United Kingdom), 131, 103221, 10.1016/j.omega.2024.103221.

Xu Y., Wen L., Jiao Z., Xiao J., Zhou L., Luo Y., Zhou J., Peng X., Wang Y., 2024. DSANet: Dual-path segmentation-guided attention network for radiotherapy dose prediction from CT images only. Knowledge-Based Systems, 304, 112536, 10.1016/j.knosys.2024.112536.

Xu Y., Zhong R., Zhang C., Yu J., 2025. Crested ibis algorithm and its application in human-powered aircraft design. Knowledge-Based Systems, 310, 113020, 10.1016/j.knosys.2025.113020.

Xu Z., Elomri A., Baldacci R., Kerbache L., Wu Z., 2024. Frontiers and trends of supply chain optimization in the age of industry 4.0: an operations research perspective. Annals of Operations Research, 338, 1359-1401, 10.1007/s10479-024-05879-9.

Xue G., Offodile O.F., Razavi R., Kwak D.-H., Benitez J., 2024. Addressing staffing challenges through improved planning: Demand-driven course schedule planning and instructor assignment in higher education. Decision Support Systems, 187, 114345, 10.1016/j.dss.2024.114345.

Xue X., Lin J.C.-W., Xu Z., 2024. Automatic similarity feature selection for ontology matching with semantic sampling. Knowledge-Based Systems, 302, 112392, 10.1016/j.knosys.2024.112392.

Xue X., Yang C., Feng L., Zhang K., Song L., Tan K.C., 2024. Solution Transfer in Evolutionary Optimization: An Empirical Study on Sequential Transfer. IEEE Transactions on Evolutionary Computation, 28(6), 1776-1793, 10.1109/TEVC.2023.3339506.

Yadav T., Gupta S.K., Kumar S., 2024. Optimality analysis and duality conditions for a class of conic semi-infinite program having vanishing constraints. Annals of Operations Research, 340, 1091-1123, 10.1007/s10479-024-05907-8.

Yan Hong Lim K., Liu Y., Chen C.-H., Gu X., 2024. Manufacturing resilience through disruption mitigation using attention-based consistently-attributed graph embedded decision support system. Computers and Industrial Engineering, 197, 110494, 10.1016/j.cie.2024.110494.

Yan N., Chen Z., Xu X., He X., 2024. E-commerce platform finance with dual channels. Naval Research Logistics, 71(5), 739-759, 10.1002/nav.22176.

Yan Q., Yang Y., Dai Y., Zhang X., Wiltos K., Woźniak M., Dong W., Zhang Y., 2025. CLIP-guided continual novel class discovery. Knowledge-Based Systems, 310, 112920, 10.1016/j.knosys.2024.112920.

Yang F., Li Q.-L., Zhang C., Wang C., 2025. Optimal admission and queuing control with reneging behavior under premature discharge decisions. International Transactions in Operational Research, 32(1), 502-529, 10.1111/itor.13277.

Yang N., Korfiatis N., Zissis D., Spanaki K., 2024. Incorporating topic membership in review rating prediction from unstructured data: a gradient boosting approach. Annals of Operations Research, 339, 631-662, 10.1007/s10479-023-05336-z.

Yang Q.-T., Zhan Z.-H., Liu X.-F., Li J.-Y., Zhang J., 2024. Grid Classification-Based Surrogate-Assisted Particle Swarm Optimization for Expensive Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 28(6), 1867-1881, 10.1109/TEVC.2023.3340678.

Yang T., Yu T.R., Zhao H., 2024. Uncovering the relationship between incidental emotion toward a disaster and stock market fluctuations: Evidence from the US market. Decision Support Systems, 181, 114213, 10.1016/j.dss.2024.114213.

Yang Y., Peng C., Cao E.-Z., 2025. Design of supply chain resilience strategies from the product life cycle perspective. International Journal of Production Economics, 282, 109532, 10.1016/j.ijpe.2025.109532.

Yang Y., Ren X., Ke L., 2025. FEDSR: Federated Learning for Image Super-Resolution via detail-assisted contrastive learning. Knowledge-Based Systems, 309, 112778, 10.1016/j.knosys.2024.112778.

Yang Y., Zhang X., Zhu Q., Chen W., Wong K.-C., Lin Q., 2024. CAGAN: Constrained neural architecture search for GANs. Knowledge-Based Systems, 302, 112277, 10.1016/j.knosys.2024.112277.

Yang Y.-Y., Qian B., Li Z., Hu R., Wang L., 2025. Q-learning based hyper-heuristic with clustering strategy for combinatorial optimization: A case study on permutation flow-shop scheduling problem. Computers and Operations Research, 173, 106833, 10.1016/j.cor.2024.106833.

Yao L., Su Z., Lu H.-C., 2025. Accurate preference-based method to obtain the deterministically optimal and satisfactory fairness-efficiency trade-off. Omega (United Kingdom), 131, 103214, 10.1016/j.omega.2024.103214.

Yao S., Zhang H., Wei L., Liu Q., 2025. An exact approach for the two-dimensional strip packing problem with defects. Computers and Industrial Engineering, 200, 110866, 10.1016/j.cie.2025.110866.

Yao S., Zhang T., Zhang H., Qiu J., Leng J., Liu Q., Wei L., 2025. The semi-online robotic pallet loading problem. Computers and Operations Research, 174, 106889, 10.1016/j.cor.2024.106889.

Yao X., Liu E., Sun X., Le W., Li J., 2024. Integrating external representations and internal patterns into dynamic multiple-criteria decision making. Annals of Operations Research, 341(1), 149-172, 10.1007/s10479-022-04737-w.

Yao Y., 2024. Dynamic Persuasion and Strategic Search. Management Science, 70(10), 6778-6803, 10.1287/mnsc.2023.00994.

Yeh C.-T., Yeng L.C.-L., Lin Y.-K., Chao Y.-L., 2024. A hybrid method to solve reliability-cost-oriented bi-objective machine configuration problem for a flow shop system. Annals of Operations Research, 340(1), 643-669, 10.1007/s10479-023-05813-5.

Yeni F.B., Cevikcan E., Yazici B., Yilmaz O.F., 2024. Aggregated planning to solve multi-product multi-period disassembly line balancing problem by considering multi-manned stations: A generic optimization model and solution algorithms. Computers and Industrial Engineering, 196, 110464, 10.1016/j.cie.2024.110464.

Yi X., Zheng S., Wang L., Wang X., He L., 2024. A safety realignment framework via subspace-oriented model fusion for large language models. Knowledge-Based Systems, 306, 112701, 10.1016/j.knosys.2024.112701.

Yi Y., He X., Li Y., Li C., 2024. Decision-making in a green trade-ins closed-loop supply chain under financial constraints and corporate social responsibility (CSR). Computers and Industrial Engineering, 197, 110626, 10.1016/j.cie.2024.110626.

Yılmaz Ö.F., Guan Y., Yılmaz B.G., Yeni F.B., Özçelik G., 2025. A comprehensive methodology combining machine learning and unified robust stochastic programming for medical supply chain viability. Omega (United Kingdom), 133, 103264, 10.1016/j.omega.2024.103264.

Yilmazlar I.O., Kurz M.E., Rahimian H., 2024. Mixed-model sequencing with stochastic failures: A case study for automobile industry. European Journal of Operational Research, 319(1), 206-221, 10.1016/j.ejor.2024.06.019.

Yin Q., Feng Z., Li X., Chen S., Wu H., Han G., 2024. Tackling data-heterogeneity variations in federated learning via adaptive aggregate weights. Knowledge-Based Systems, 304, 112484, 10.1016/j.knosys.2024.112484.

Yin X., Tang W., 2024. The value of market information and the bullwhip effect. Journal of the Operational Research Society, 75(11), 2241-2252, 10.1080/01605682.2024.2310706.

Ying K.-C., Pourhejazy P., Sung C.-E., 2024. Two-agent proportionate flowshop scheduling with deadlines: polynomial-time optimization algorithms. Annals of Operations Research, 343(1), 109317, 10.1007/s10479-024-06275-z.

Yip S., Zou Y., Hung R.T.H., Yiu K.F.C., 2024. Forecasting number of corner kicks taken in association football using compound Poisson distribution. Journal of the Operational Research Society, 75(11), 2127-2137, 10.1080/01605682.2024.2306170.

You C., Xiong D., 2024. TCLNet: Turn-level contrastive learning network with reranking for dialogue state tracking. Knowledge-Based Systems, 302, 112308, 10.1016/j.knosys.2024.112308.

You D., Wang D., Liu B., Ge X., Wu D., Wu X., 2025. Disentangle Representation Learning with Excluding Confounding Bias for causal effect estimation. Knowledge-Based Systems, 310, 112926, 10.1016/j.knosys.2024.112926.

Yousefi S., Mohamadpour Tosarkani B., 2024. A decision support framework for best-fitting blockchain platform selection in sustainable supply chains under uncertainty. Computers and Industrial Engineering, 197, 110577, 10.1016/j.cie.2024.110577.

Yu A., Zhang H., Liu H.-C., Shi Y., Bi W., 2024. Dynamic centralized resource allocation approach with contextual impacts: analyzing Chinese carbon allocation plans. Annals of Operations Research, 341(1), 451-483, 10.1007/s10479-023-05606-w.

Yu B., Utyuzhnikov S., 2024. Extension of the Directed Search Domain algorithm for multi-objective optimization to higher dimensions. Annals of Operations Research, 340, 1125-1160, 10.1007/s10479-024-06117-y.

Yu H., Huang M., Zhang L., Tan C., 2024. Yard template generation for automated container terminal based on bay sharing strategy. Annals of Operations Research, 343(3), 1157-1175, 10.1007/s10479-022-04657-9.

Yu J., Liu P., Lu X., Gu M., 2025. Analyzing the price of fairness in scheduling problems with two agents. European Journal of Operational Research, 321(3), 750-759, 10.1016/j.ejor.2024.10.023.

Yu J., Zhang H., Zhang Y., 2025. Distributed UAV swarms for 3D urban area coverage with incomplete information using event-triggered hierarchical reinforcement learning. Computers and Industrial Engineering, 199, 110734, 10.1016/j.cie.2024.110734.

Yu K., Wu Q., Chen X., Wang W., Mardani A., 2024. An integrated MCDM framework for evaluating the environmental, social, and governance (ESG) sustainable business performance. Annals of Operations Research, 342(1), 987-1018, 10.1007/s10479-023-05616-8.

Yu L., Tian B., 2025. Supply chain strategic behavior and coordination with a risk-averse manufacturer under random yield and demand. International Journal of Production Economics, 281, 109492, 10.1016/j.ijpe.2024.109492.

Yu M.-M., Rakshit I., 2025. An alternative assessment approach to global logistics performance evaluation: Common weight H-DEA approach. International Transactions in Operational Research, 32(2), 839-862, 10.1111/itor.13360.

Yu S., Gong C., Jia W., Ma L., 2024. A tripartite evolutionary game model for tradable green certificate transaction strategies in China. Operational Research, 24(4), 67, 10.1007/s12351-024-00874-1.

Yu T., Guan Y., Zhong X., 2024. Visiting nurses assignment and routing for decentralized telehealth service networks. Annals of Operations Research, 341, 1191-1221, 10.1007/s10479-024-05883-z.

Yuan G., Wang B., Xue B., Zhang M., 2024. Particle Swarm Optimization for Efficiently Evolving Deep Convolutional Neural Networks Using an Autoencoder-Based Encoding Strategy. IEEE Transactions on Evolutionary Computation, 28(5), 1190-1204, 10.1109/TEVC.2023.3245322.

Yuan J., Li J., Hao J., 2025. A reliable ensemble forecasting modeling approach for complex time series with distributionally robust optimization. Computers and Operations Research, 173, 106831, 10.1016/j.cor.2024.106831.

Yuan S., Zhu X., Cai W., Gao J., Zhang R., 2025. Mathematical modeling and hybrid evolutionary algorithm to schedule flexible job shop with discrete operation sequence flexibility. Computers and Operations Research, 176, 106952, 10.1016/j.cor.2024.106952.

Yun L., Li L., Zhang J., Guan J., 2025. Cost-effective industrial internet of things network planning for sustainable manufacturing systems. International Journal of Production Economics, 281, 109517, 10.1016/j.ijpe.2025.109517.

Yuraszeck F., Mejía G., Lüer-Villagra A., 2025. An adapted constraint-programming formulation of the resource-constrained project scheduling problem applied to the identical parallel machines group shop and mixed shop scheduling problems. International Transactions in Operational Research, 32(3), 1422-1441, 10.1111/itor.13504.

Zaghdoudi M.A., Hajri-Gabouj S., Ghezail F., Darmoul S., Varnier C., Zerhouni N., 2024. Collaborative and integrated data-driven delay prediction and supplier selection optimization: A case study in a furniture industry. Computers and Industrial Engineering, 197, 110590, 10.1016/j.cie.2024.110590.

Zaki T., Zeiträg Y., Neves R., Figueira J.R., 2024. A cooperative coevolutionary genetic programming hyper-heuristic for multi-objective makespan and cost optimization in cloud workflow scheduling. Computers and Operations Research, 172, 106805, 10.1016/j.cor.2024.106805.

Zamani M., Abbaszadehpeivasti H., de Klerk E., 2024. The exact worst-case convergence rate of the alternating direction method of multipliers. Mathematical Programming, 208, 243-276, 10.1007/s10107-023-02037-0.

Zambrano-Rey G.M., González-Neira E.M., Forero-Ortiz G.F., Ocampo-Monsalve M.J., Rivera-Torres A., 2024. Minimizing the expected maximum lateness for a job shop subject to stochastic machine breakdowns. Annals of Operations Research, 338(1), 801-833, 10.1007/s10479-023-05592-z.

Zang Y., Qu M., Pham D.T., Dixon R., Goli F., Zhang Y., Wang Y., 2024. Robotic disassembly of electric vehicle batteries: Technologies and opportunities. Computers and Industrial Engineering, 198, 110727, 10.1016/j.cie.2024.110727.

Zeng C., Liu J., Li Q., 2025. A constraint programming approach for resource-constrained flexible assembly flow shop scheduling problem with batch direct delivery. Computers and Operations Research, 173, 106855, 10.1016/j.cor.2024.106855.

Zeynivand M., Najafi M., Modarres Yazdi M., 2024. Kidney exchange program: An efficient compact formulation. Computers and Industrial Engineering, 196, 110533, 10.1016/j.cie.2024.110533.

Zha Q., Ren Y., Han J., Gu J., 2025. Spatial multi-attribute decision making: An axiomatic incomplete preference information coverage model. Computers and Industrial Engineering, 200, 110764, 10.1016/j.cie.2024.110764.

Zhang B., Kyutoku H., Doman K., Komamizu T., Ide I., Qian J., 2024. Cross-modal recipe retrieval based on unified text encoder with fine-grained contrastive learning. Knowledge-Based Systems, 305, 112641, 10.1016/j.knosys.2024.112641.

Zhang B., Wang H., Gao Y., 2024. Output-Space Outer Approximation Branch-and-Bound Algorithm for a Class of Linear Multiplicative Programs. Journal of Optimization Theory and Applications, 202(3), 997-1026, 10.1007/s10957-024-02461-y.

Zhang C., Chen L., Yu Y.-F., Zhao Y.-P., Shi Z., Wang Y., Bai W., 2024. Selective multiple kernel fuzzy clustering with locality preserved ensemble. Knowledge-Based Systems, 301, 112327, 10.1016/j.knosys.2024.112327.

Zhang C., Cheng X., Li K., Li B., 2025. Hotel recommendation mechanism based on online reviews considering multi-attribute cooperative and interactive characteristics. Omega (United Kingdom), 130, 103173, 10.1016/j.omega.2024.103173.

Zhang C., Zhang N., Su W., Balezentis T., 2024. Online commodity recommendation model for interaction between user ratings and intensity-weighted hierarchical sentiment: A case study of LYCOM. Omega (United Kingdom), 129, 103161, 10.1016/j.omega.2024.103161.

Zhang D., Li F., Wei L., 2024. Integrated stochastic multicriteria acceptability analysis and data envelopment analysis with fixed-sum outputs: an application for evaluating participating nations in the Winter Olympics Games. Journal of the Operational Research Society, 75(9), 1791-1812, 10.1080/01605682.2023.2277251.

Zhang D., Mesiar R., Pap E., 2025. Multi-valued Choquet integral based on a couple of set functions with an application in multi-attribute decision-making. Fuzzy Sets and Systems, 503, 109249, 10.1016/j.fss.2024.109249.

Zhang H., An X., Chen C., Wang N., Tong W., 2025. Data-driven robust two-stage ferry vehicle management at airports. Omega (United Kingdom), 133, 103269, 10.1016/j.omega.2024.103269.

Zhang H., Chan S., Qin S., Dong Z., Chen G., 2024. SMDE: Unsupervised representation learning for time series based on signal mode decomposition and ensemble. Knowledge-Based Systems, 301, 112369, 10.1016/j.knosys.2024.112369.

Zhang H., Chen Q., Xue B., Banzhaf W., Zhang M., 2024. Modular Multitree Genetic Programming for Evolutionary Feature Construction for Regression. IEEE Transactions on Evolutionary Computation, 28(5), 1455-1469, 10.1109/TEVC.2023.3318638.

Zhang H., Chen Q., Xue B., Banzhaf W., Zhang M., 2024. A Semantic-Based Hoist Mutation Operator for Evolutionary Feature Construction in Regression. IEEE Transactions on Evolutionary Computation, 28(6), 1689-1703, 10.1109/TEVC.2023.3331234.

Zhang H., Demeulemeester E., Li L., Bai S., 2025. Surrogate-assisted cooperative learning genetic programming for the resource-constrained project scheduling problem with stochastic activity durations and transfer times. Computers and Operations Research, 173, 106816, 10.1016/j.cor.2024.106816.

Zhang H., Huang M., Fu Y., Wang X., 2024. Optimizing speed of a green truckload pickup and delivery routing problem with outsourcing: Heuristic and exact approaches. Computers and Industrial Engineering, 198, 110736, 10.1016/j.cie.2024.110736.

Zhang H., Sun X., Teo K.L., 2024. Exact SDP Reformulations for Adjustable Robust Quadratic Optimization with Affine Decision Rules. Journal of Optimization Theory and Applications, 203(3), 2206-2232, 10.1007/s10957-023-02371-5.

Zhang H., Yang K., Dong J., Yang L., 2025. Two-stage robust multimodal hub network design under budgeted demand uncertainty: A Benders decomposition approach and a case study. Computers and Operations Research, 174, 106882, 10.1016/j.cor.2024.106882.

Zhang H., Zhou A., Chen Q., Xue B., Zhang M., 2024. SR-Forest: A Genetic Programming-Based Heterogeneous Ensemble Learning Method. IEEE Transactions on Evolutionary Computation, 28(5), 1484-1498, 10.1109/TEVC.2023.3243172.

Zhang H., Zhu W., Chen X., Wu Y., Liang H., Li C.-C., Dong Y., 2024. Managing flexible linguistic expression and ordinal classification-based consensus in large-scale multi-attribute group decision making. Annals of Operations Research, 341(1), 95-148, 10.1007/s10479-022-04687-3.

Zhang J., Liu Z., Luo X.R., 2024. Unraveling juxtaposed effects of biometric characteristics on user security behaviors: A controversial information technology perspective. Decision Support Systems, 183, 114267, 10.1016/j.dss.2024.114267.

Zhang L., Teirlinck P., Su T., Yu Y., 2024. How to configure the supply chain to stimulate firm innovation performance?. International Journal of Production Economics, 277, 109384, 10.1016/j.ijpe.2024.109384.

Zhang L., Wang H., Liu W., Liang C., Wen X., Wang H., Zhao X., Chen L., 2024. Integrated optimization of production and maintenance scheduling with third-party worker resource constraints in distributed parallel machines environment. Computers and Industrial Engineering, 198, 110647, 10.1016/j.cie.2024.110647.

Zhang L., Wang X., Wang J., Liao G., 2024. Research on emergency decision quality evaluation and optimization basing on public sentiment big data analysis. Computers and Industrial Engineering, 196, 110411, 10.1016/j.cie.2024.110411.

Zhang L., Yuan N., Wang J., Li J., 2025. Research on location-inventory-routing optimization of emergency logistics based on multiple reliability under uncertainty. Computers and Industrial Engineering, 200, 110826, 10.1016/j.cie.2024.110826.

Zhang M., Kong M., Shi H., Tan W., Fathollahi-Fard A.M., Yaseen Z.M., 2024. Bi-level programming for joint order acceptance and production planning in industrial robot manufacturing enterprise. Computers and Industrial Engineering, 196, 110471, 10.1016/j.cie.2024.110471.

Zhang M., Yang J., Zhang C., He S., Liu H., Wang J., Wang Z., 2025. An approximate dynamic programming approach for solving aircraft fleet engine maintenance problem: Methodology and a case study. European Journal of Operational Research, 321(3), 958-973, 10.1016/j.ejor.2024.10.008.

Zhang M., Yang W., Zhao Z., Wang S., Huang G.Q., 2024. Do fairness concerns matter for ESG decision-making? Strategic interactions in digital twin-enabled sustainable semiconductor supply chain. International Journal of Production Economics, 276, 109370, 10.1016/j.ijpe.2024.109370.

Zhang Q., Huang S., Bai X., Wang R., Zhang Z., 2024. CIRG-SL: Commonsense Inductive Relation Graph framework with Soft Labels for Empathetic Response Generation. Knowledge-Based Systems, 304, 112584, 10.1016/j.knosys.2024.112584.

Zhang Q., Li T., Li D., Lu W., 2024. A goal-oriented reinforcement learning for optimal drug dosage control. Annals of Operations Research, 338, 1403-1423, 10.1007/s10479-024-06029-x.

Zhang Q., Miao D., Zhang Q., Wang C., Li Y., Zhang H., Zhao C., 2024. Learning adaptive shift and task decoupling for discriminative one-step person search. Knowledge-Based Systems, 304, 112483, 10.1016/j.knosys.2024.112483.

Zhang Q., Wang S., Zhen L., 2024. Yard truck retrofitting and deployment for hazardous material transportation in green ports. Annals of Operations Research, 343(3), 981-1012, 10.1007/s10479-021-04507-0.

Zhang R., Liu B., Cao J., Zhao H., Sun X., Liu Y., Sun X., 2024. Modeling group-level public sentiment in social networks through topic and role enhancement. Knowledge-Based Systems, 305, 112594, 10.1016/j.knosys.2024.112594.

Zhang S., Pu J., Cui J., Shen S., Chen W., Hu K., Chen E., 2024. MLC-DKT: A multi-layer context-aware deep knowledge tracing model. Knowledge-Based Systems, 303, 112384, 10.1016/j.knosys.2024.112384.

Zhang W., He Y., Zhang X., Liu T., Guan W., 2025. Integrated crew organization and work zone scheduling for network-wide daily road pavement rehabilitation. European Journal of Operational Research, 320(2), 290-308, 10.1016/j.ejor.2024.08.012.

Zhang X., Angel E., Chu F., Regnault D., 2025. Minimizing total completion time and makespan for a multi-scenario bi-criteria parallel machine scheduling problem. European Journal of Operational Research, 321(2), 397-406, 10.1016/j.ejor.2024.09.032.

Zhang X., Bose I., 2024. Reliability estimation for individual predictions in machine learning systems: A model reliability-based approach. Decision Support Systems, 186, 114305, 10.1016/j.dss.2024.114305.

zhang X., Chen X., Tang H., Wu Y., Shen H., Li J., 2024. AdpSTGCN: Adaptive spatial–temporal graph convolutional network for traffic forecasting. Knowledge-Based Systems, 301, 112295, 10.1016/j.knosys.2024.112295.

Zhang X., Feng Q., Li Y., Zheng C., Corrente S., 2025. A representative product configuration ranking approach considering requirement interactions and inconsistent group preferences. International Journal of Production Economics, 282, 109534, 10.1016/j.ijpe.2025.109534.

Zhang X., Razavi-Far R., Isah H., David A., Higgins G., Zhang M., 2025. A survey on Deep Learning in Edge–Cloud

Collaboration: Model partitioning, privacy preservation, and prospects. Knowledge-Based Systems, 310, 112965, 10.1016/j.knosys.2025.112965.

Zhang X., Wang X., Liu Z., Chen J., 2024. Robust block tensor PCA with F-norm projection framework. Knowledge-Based Systems, 306, 112712, 10.1016/j.knosys.2024.112712.

Zhang Y., 2025. Integer programming approaches for distributionally robust chance constraints with adjustable risks. Computers and Operations Research, 177, 106974, 10.1016/j.cor.2025.106974.

Zhang Y., Chen X., Gao M., Dong Y., 2024. Maximum Utility Consensus with Inequity Aversion in Social Network Group Decision Making. Group Decision and Negotiation, 33(5), 1115-1142, 10.1007/s10726-024-09887-9.

Zhang Y., Ji Z., Pang Y., Han J., 2025. Hierarchical and complementary experts transformer with momentum invariance for image-text retrieval. Knowledge-Based Systems, 309, 112912, 10.1016/j.knosys.2024.112912.

Zhang Y., Li X., Teng Y., Shen G.Q.P., Bai S., 2025. Multi-objective optimization of work package scheme problem to minimize project carbon emissions and cost. Computers and Industrial Engineering, 200, 110831, 10.1016/j.cie.2024.110831.

Zhang Y., Liu Q., Wang G., Cheung W.K., Liu L., 2024. GEAR: Learning graph neural network explainer via adjusting gradients. Knowledge-Based Systems, 302, 112368, 10.1016/j.knosys.2024.112368.

Zhang Y., Zheng X., 2024. Further remarks on absorbing Markov decision processes. Operations Research Letters, 57, 107191, 10.1016/j.orl.2024.107191.

Zhang Y., Zhou G., Huang C., Huang H., 2024. Neural network algorithm with transfer learning and dropout for using a UAV to search the lost target in motion. Knowledge-Based Systems, 305, 112632, 10.1016/j.knosys.2024.112632.

Zhang Z., Chronopoulos M., Dimitrova D.S., Kyriakou I., 2024. Risk assessment and optimal scheduling of serial projects. OR Spectrum, 46(3), 709-736, 10.1007/s00291-023-00740-0.

Zhang Z., Fu Y., Gao K., Pan Q., Huang M., 2024. A learning-driven multi-objective cooperative artificial bee colony algorithm for distributed flexible job shop scheduling problems with preventive maintenance and transportation operations. Computers and Industrial Engineering, 196, 110484, 10.1016/j.cie.2024.110484.

Zhang Z., Li Z., Yu W., 2025. Lexicographic optimization-based approaches to learning a representative model for multi-criteria sorting with non-monotonic criteria. Computers and Operations Research, 175, 106917, 10.1016/j.cor.2024.106917.

Zhang Z., Liao H., 2024. A stochastic cross-efficiency DEA approach based on the prospect theory and its application in winner determination in public procurement tenders. Annals of Operations Research, 341(1), 509-537, 10.1007/s10479-022-04539-0.

Zhang Z., Zhang C., Dong Y., Hong W.-C., 2025. Bi-directional gated recurrent unit enhanced twin support vector regression with seasonal mechanism for electric load forecasting. Knowledge-Based Systems, 310, 112943, 10.1016/j.knosys.2024.112943.

Zhao C., Bao S., Chen M., Gao Z., Xiao K., Dai P., 2025. FedFM: A federated few-shot learning method by comparison network and model calibration. Knowledge-Based Systems, 309, 112848, 10.1016/j.knosys.2024.112848.

Zhao G., Liu S., Lopez C., Wang Y., Lu H., Zhang J., 2024. Identification, establishment of connection, and clustering of social risks involved in the agri-food supply chains: a cross-country comparative study. Annals of Operations Research, 338, 1241-1282, 10.1007/s10479-024-06040-2.

Zhao H., Gong Z., Gan K., Gan Y., Xing H., Wang S., 2024. Supervised kernel principal component analysis-polynomial chaos-Kriging for high-dimensional surrogate modelling and optimization. Knowledge-Based Systems, 305, 112617, 10.1016/j.knosys.2024.112617.

Zhao H., Zhao J., Sun Z.-Y., Yu D., 2025. Event-triggered-based fuzzy adaptive tracking control for stochastic nonlinear systems against multiple constraints. Fuzzy Sets and Systems, 504, 109253, 10.1016/j.fss.2024.109253.

Zhao L., Bai Y., 2024. Joint-optimized coverage path planning framework for USV-assisted offshore bathymetric mapping: From theory to practice. Knowledge-Based Systems, 304, 112449, 10.1016/j.knosys.2024.112449.

Zhao L., Cheng W., Meng L., Zhang C., Ren Y., Zhang B., Duan P., 2025. MILP modeling and optimization of flexible job shop scheduling problem with preventive maintenance. Computers and Industrial Engineering, 201, 110861, 10.1016/j.cie.2025.110861.

Zhao M., Yu J., Zhang S., Jia A.L., 2025. Relation-aware multiplex heterogeneous graph neural network. Knowledge-Based Systems, 309, 112806, 10.1016/j.knosys.2024.112806.

Zhao X., Li R., Han H., Qiu Q., 2025. Condition-based switching, loading, and age-based maintenance policies for standby systems. European Journal of Operational Research, 321(2), 565-585, 10.1016/j.ejor.2024.09.014.

Zhao X., Li Z., Wang X., Guo B., 2024. Reliability analysis of a system including multi-state demand-based subsystems supported by protective devices considering two types of triggering errors. Computers and Industrial Engineering, 198, 110673, 10.1016/j.cie.2024.110673.

Zhao Y., Liu B., Zhu T., Ding M., Zhou W., 2025. ROSIN: Robust Semantic Image Hiding Network. Knowledge-Based Systems, 309, 112885, 10.1016/j.knosys.2024.112885.

Zhao Y., Liu H.-W., 2025. On r→-Sheffer strokes: A new class of directionally monotone functions. Fuzzy Sets and Systems, 498, 109149, 10.1016/j.fss.2024.109149.

Zhao Y., Wang J., Wang S., Zheng J., Lv M., 2025. Using explainable deep learning to improve decision quality: Evidence from carbon trading market. Omega (United Kingdom), 133, 103281, 10.1016/j.omega.2025.103281.

Zhao Z., Chen X., An Y., 2025. Multi-objective flexible flow-shop rescheduling with rigid–flexible hybrid constraints and preventive maintenance. Computers and Industrial Engineering, 200, 110813, 10.1016/j.cie.2024.110813.

Zhao Z., Lee C.K.M., Yan X., 2025. A multi-state model for the service quality evaluation of an electric vehicle charging network via universal generating function. Computers and Industrial Engineering, 200, 110839, 10.1016/j.cie.2024.110839.

Zhao Z., Shen M., Chen J., Wang X., Wan Z., Hu X., Liu W., 2024. Design and optimization of the collaborative container

logistics system between a dry port and a water port. Computers and Industrial Engineering, 198, 110654, 10.1016/j.cie.2024.110654.

Zhen M., Chen Z., Lu B., Chen Z., Pan E., 2025. Net benefit-oriented condition-based maintenance for lithium-ion battery packs in SGLS systems: Combining degradation updating and decision-making. Computers and Industrial Engineering, 200, 110850, 10.1016/j.cie.2024.110850.

Zheng J., Zhao Y., Li J., She W., Li Y., 2025. Integrated scheduling of material delivery and processing. Computers and Industrial Engineering, 201, 110863, 10.1016/j.cie.2025.110863.

Zheng L., Sun L., He Z., He S., 2024. Dynamic product competitive analysis based on online reviews. Decision Support Systems, 183, 114268, 10.1016/j.dss.2024.114268.

Zheng M., Li Y., Du N., Wang Q., Huang E., Jiang P., 2024. Joint optimization of recyclable inventory routing problem under uncertainties in an incentive-based recycling system. Computers and Industrial Engineering, 198, 110692, 10.1016/j.cie.2024.110692.

Zheng Q., Dai W., Peng C., Wang J., Zhao Y., 2025. A novel neighborhood structure for flexible job shop scheduling problem considering Quality-Efficiency coupling effect. Computers and Industrial Engineering, 199, 110735, 10.1016/j.cie.2024.110735.

Zheng Q., Liu X., 2025. A consensus-based multi-criteria decision making method integrating GLDS method and quantum probability theory for risk analysis of human errors. Computers and Industrial Engineering, 200, 110847, 10.1016/j.cie.2024.110847.

Zheng R., 2024. Structured replacement policies for a system subject to random mission types. Naval Research Logistics, 71(7), 1055-1069, 10.1002/nav.22201.

Zheng R., Fang H., Peng Z., 2024. Condition-based maintenance for a balanced system considering dependent soft and hard failures. Computers and Industrial Engineering, 197, 110550, 10.1016/j.cie.2024.110550.

Zheng R., Xing Y., Peng Z., Ren X., Tan K., 2025. Economic design of a self-healing policy with limited agents. Computers and Industrial Engineering, 199, 110740, 10.1016/j.cie.2024.110740.

Zheng S., Xie N., Wu Q., Liu C., 2025. Novel mathematical formulations for parallel-batching processing machine scheduling problems. Computers and Operations Research, 173, 106859, 10.1016/j.cor.2024.106859.

Zheng W., Doerr B., 2024. Runtime Analysis for the NSGA-II: Proving, Quantifying, and Explaining the Inefficiency for Many Objectives. IEEE Transactions on Evolutionary Computation, 28(5), 1442-1454, 10.1109/TEVC.2023.3320278.

Zhou J., Meng T., Jia Y., 2024. Modelling and optimization of a distributed flow shop group scheduling problem with heterogeneous factories. Computers and Industrial Engineering, 198, 110635, 10.1016/j.cie.2024.110635.

Zhou K., Gong Z., Chen X., Słowiński R., 2024. Determination of a Representative Collective Value Function Through a Value Function-Based Consensus-Reaching Process. Group Decision and Negotiation, 33(5), 1089-1113, 10.1007/s10726-024-09883-z.

Zhou K., Gong Z., Wei G., Słowiński R., 2025. Preference disaggregation analysis with criteria selection in a regularization framework. Omega (United Kingdom), 133, 103252, 10.1016/j.omega.2024.103252.

Zhou M., Fan X.-Y., Cheng B.-Y., Wu J., 2024. Remanufacturing Mode Selection Based on Non-cooperative Behavior Management in Group Consensus Reaching Process. Group Decision and Negotiation, 33(5), 1191-1246, 10.1007/s10726-024-09890-0.

Zhou M., Hu J.-L., Fan X.-Y., Cheng B.-Y., Liu X.-B., 2024. An ordinal-cardinal consensus adjustment allocation mechanism for large-scale group decision making based on the consistency of distributed preference relations under fuzzy uncertainty. Computers and Industrial Engineering, 197, 110504, 10.1016/j.cie.2024.110504.

Zhou Q., Hao J.-K., Jiang Z.-Z., Wu Q., 2025. Adaptive feasible and infeasible evolutionary search for the knapsack problem with forfeits. International Transactions in Operational Research, 32(3), 1442-1471, 10.1111/itor.13512.

Zhou S., Pang S., Zhao Y., Shi Y., 2025. Sequencing and scheduling appointments with weighted completion time minimization and waiting time tolerance. Computers and Operations Research, 176, 106948, 10.1016/j.cor.2024.106948.

Zhou W., Fotouhi H., Miller-Hooks E., 2025. Decision support through deep reinforcement learning for maximizing a courier's monetary gain in a meal delivery environment. Decision Support Systems, 190, 114388, 10.1016/j.dss.2024.114388.

Zhou W., Zhang Y., Tang K., He L., Zhang C., Tian Y., 2024. Co-optimization of the operation and energy for AGVs considering battery-swapping in automated container terminals. Computers and Industrial Engineering, 195, 110445, 10.1016/j.cie.2024.110445.

Zhou X., Zeng B., Cui F., Geng N., 2025. Towards green manufacturing: Co-optimizing capacity expansion planning of production and renewable energy generation with endogenous uncertainty. Computers and Operations Research, 176, 106971, 10.1016/j.cor.2024.106971.

Zhu C., Zhu J., Si W., Wang X., Wang F., 2024. Multi-agent reinforcement learning with synchronized and decomposed reward automaton synthesized from reactive temporal logic. Knowledge-Based Systems, 306, 112703, 10.1016/j.knosys.2024.112703.

Zhu H., Shen Y., Zhan C., Wang F.L., Weng H., Hao T., 2025. A new graph-based clustering method with dual-feature regularization and Laplacian rank constraint. Knowledge-Based Systems, 309, 112738, 10.1016/j.knosys.2024.112738.

Zhu H., Yuan S., Liu X., Chen K., Jia C., Qian Y., 2024. CasCIFF: A cross-domain information fusion framework tailored for cascade prediction in social networks. Knowledge-Based Systems, 303, 112391, 10.1016/j.knosys.2024.112391.

Zhu J., Liu D., Chen H., Liu J., Tao Z., 2025. DTSFormer: Decoupled temporal-spatial diffusion transformer for enhanced long-term time series forecasting. Knowledge-Based Systems, 309, 112828, 10.1016/j.knosys.2024.112828.

Zhu J., Zhang W., Yu L., Guo X., 2024. A novel multi-attention reinforcement learning for the scheduling of unmanned shipment vessels (USV) in automated container

terminals. Omega (United Kingdom), 129, 103152, 10.1016/j.omega.2024.103152.

Zhu L., Chen Y., Mumtaz J., 2024. Multi-objective human-robot collaborative disassembly line balancing considering components remanufacture demand and hazard characteristics. Computers and Industrial Engineering, 197, 110621, 10.1016/j.cie.2024.110621.

Zhu Y., Dong J., Lam H., 2024. Uncertainty Quantification and Exploration for Reinforcement Learning. Operations Research, 72(4), 1689-1709, 10.1287/opre.2023.2436.

Zhu Y., Dong X., Wang X., Shen N., Li Y., Zhang Q., 2025. Simulation and optimization of water-food-energy nexus under different subjective risks: A case study of Xiangyang section of Han River, China. Computers and Industrial Engineering, 200, 110864, 10.1016/j.cie.2025.110864.

Zhu Y., Dong Y., Zhang H., Fang L., 2025. Exploring the minimum cost conflict mediation path to a desired resolution within the inverse graph model framework. European Journal of Operational Research, 321(2), 543-564, 10.1016/j.ejor.2024.10.014.

Zhuang L., Xu A., Wang Y., Tang Y., 2024. Remaining useful life prediction for two-phase degradation model based on reparameterized inverse Gaussian process. European Journal of Operational Research, 319(3), 877-890, 10.1016/j.ejor.2024.06.032.

Zimmermann J., Champagne L.E., Dickens J.M., Hazen B.T., 2024. Approaches to improve preprocessing for Latent Dirichlet Allocation topic modeling. Decision Support Systems, 185, 114310, 10.1016/j.dss.2024.114310.

Zipfel B., M'Hallah R., Buscher U., 2024. Scheduling for additive manufacturing with two-dimensional packing and incompatible items. Omega (United Kingdom), 129, 103139, 10.1016/j.omega.2024.103139.

Zipfel B., Tamke F., Kuttner L., 2025. A new branch-and-cut approach for integrated planning in additive manufacturing. European Journal of Operational Research, 322(2), 427-447, 10.1016/j.ejor.2024.10.040.

Zografopoulos L., Iannino M.C., Psaradellis I., Sermpinis G., 2025. Industry return prediction via interpretable deep learning. European Journal of Operational Research, 321(1), 257-268, 10.1016/j.ejor.2024.08.032.

Zong G., Li X., Xu Q., 2025. Scenario potentiality-constrain network for RGB-D salient object detection. Knowledge-Based Systems, 310, 112910, 10.1016/j.knosys.2024.112910.

Zou J., Deng Q., Liu Y., Yang X., Yang S., Zheng J., 2024. A Dynamic-Niching-Based Pareto Domination for Multimodal Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 28(5), 1529-1543, 10.1109/TEVC.2023.3316723.

Zou X., Yang Q., Wang Q., Jiang B., 2024. Measuring the system resilience of project portfolio network considering risk propagation. Annals of Operations Research, 340(1), 693-721, 10.1007/s10479-022-05100-9.

Zou Y., Wu H., Yin Y., Dhamotharan L., Chen D., Tiwari A.K., 2024. An improved transformer model with multi-head attention and attention to attention for low-carbon multi-depot vehicle routing problem. Annals of Operations Research, 339, 517-536, 10.1007/s10479-022-04788-z.

Zuo Y., Zhao F., Zhang J., 2024. A bi-population cooperative scatter search algorithm for distributed hybrid flow shop scheduling with machine breakdown. Computers and Industrial Engineering, 197, 110624, 10.1016/j.cie.2024.110624.

Zuparic M., Seif Zadeh H., Tay N., Lowe D., Flahive A., 2024. Service exchange requirements of a defence force portfolio. Journal of the Operational Research Society, 75(11), 2200-2218, 10.1080/01605682.2024.2310057.

Zwolińska B., Kubica, 2024. Shaping of the risk of a series-parallel manufacturing structure maintenance according to quasi-coherence and the K-th survival value. Computers and Industrial Engineering, 196, 110475, 10.1016/j.cie.2024.110475.

Groupe de Travail Européen "Aide Multicritère à la Décision" /

European Working Group "Multiple Criteria Decision Aiding"

Board of Coordinators of the EURO Working Group (founded by Bernard Roy)*:*

Roman Słowiński

José Rui Figueira

Salvatore Greco

Newsletter Editor:

Salvatore Corrente

URL: http://www.cs.put.poznan.pl/ewgmcda

Permanent Collaborators:

Sally Giuseppe Arcidiacono, Carlos Henggeler Antunes,
He Huang

This newsletter is published twice a year by the "EWG on MCDA", in October/November and April/May, with financial support of the Association of European Operational Research

Contributions should be sent to:

Salvatore Corrente
Department of Economics and Business
University of Catania
Corso Italia 55
95129, Catania, Italy
E-mail: salvatore.corrente@unict.it