CURRICULUM VITAE

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PERSONAL INFORMATION

NAME Reza Tavakkofli-Moghaddam

AFFILIATION School of Industrial Engineering,
College of Engineering, University of Tehran
P.O. Box: 11155-4563, Tehran, Iran
Tel: +98 21 82084183; Fax: +98 21 88013102
E-mail: tavakoli@ut.ac.ir

PUBLICATIO Google Scholar (33583 total citations, h-index 92)
Scopus (784 documents by authors, 21,796 total citations, h-index 72)
Web of Science (795 total documents, 17,560 total citations, h-index 65)

EDUCATION

Feb. 1994 – Feb. 1998 **Ph.D. Degree**
Industrial Research Institute Swinburne
Swinburne University of Technology, Melbourne, Australia

Feb. 1992 – Dec. 1993 **Master of Eng. Sci. Degree** (by course work)
Faculty of Engineering
The University of Melbourne, Melbourne, Australia

Sep. 1985 – Mar. 1989 **Bachelor of Engineering Degree** (Hon.)
Department of Industrial Engineering
Iran University of Science & Technology

ACADEMIC & INDUSTRIAL EXPERIENCES

Jun. 2009 – Now **Professor, School of Industrial Engineering, College of Engineering, University of Tehran, Iran**

Nov. 2010 – Now **Associate Member, Divisions of Industrial Engineering, Department of Engineering Sciences, Academy of Sciences, Iran**

May 2019 – Now **Editorial Board, Iranian Journal of Operations Research, Tehran, Iran**

Mar. 2019 – Mar. 2022 **Member of Technical Committee, Ministry of Science, Research and Technology, Tehran, Iran**

May 2015 – Aug. 2024 **Editor-in-Chief, Advances in Industrial Engineering, University of Tehran, Iran**

Oct. 2015 – Now **Editorial Board, European Journal of Industrial Engineering, Published by InderScience, UK**

May 2017 – Now	**Associate Editor, Journal of Industrial Engineering International Published by Islamic Azad University, Tehran, Iran**
Oct. 2014 – Now	**Editorial Board, Journal of Quality Engineering and Production Optimization, Tehran, Iran**
June 2013 – Now	**Editorial Board, Journal of Industrial Engineering Research in Production Systems, Hamadan, Iran (in Persian)**
Jan. 2011 – Jan. 2018	**Editorial Board, International Journal of Research in Industrial Engineering, Published by Novel Science, Canada**
Sep. 2010 – Now	**Editorial Board, Journal of Production &Operations Management, Esfahan, Iran**
Mar. 2010 – Now	**Editorial Board, Iranian Journal of Operations Research, Tehran, Iran**
Jan. 2010 – Now	**Editorial Board, International Journal of Industrial Engineering Computations, Growing Sciences, Canada**
Jun. 2009 – Now	**Editorial Board, Advances in Industrial Engineering, University of Tehran, Iran**
Jun. 2009 – Now	**Editorial Board, International Journal of Engineering, Tehran, Iran**
Jan. 2008– Now	**Member of Committee for Engineering Sciences, College of Engineering, University of Tehran, Iran**
Jan. 2008 – Now	**Editorial Board, Iranian Operations Research Society, Tehran, Iran**
Jun. 2005 – Sep. 2010	**Member of Technical Committee, Ministry of Science, Research and Technology, Tehran, Iran**
Jun. 2005 – Nov. 2009	**Member of INSF Scientific/Specific Committee, Iran National Scientific Foundation, Tehran, Iran**
Feb. 2007 – Sep. 2007	**Visiting Professor, Department of Mechanical Engineering, The University of British Columbia, Vancouver, Canada**
Feb. 2005 – June 2009	**Associate Professor, Department of Industrial Engineering College of Engineering, University of Tehran, Iran**
Feb. 2005 – Feb. 2007	**Editorial Board, Journal of Faculty of Engineering, College of Engineering, University of Tehran, Iran**
Sep. 2004 – Oct. 2006	**Deputy of Research, Department of Industrial Engineering, College of Engineering, University of Tehran, Iran**
Dec. 2002 – Aug.2003	**Planning Manager, College of Engineering, University of Tehran, Iran**
Mar. 2002 – Jun. 2003	**Member of Founders of the Society of Iranian Value Engineering Tehran, Iran**
Sep. 2000 – Feb. 2005	**Assistant Professor, Department of Industrial Engineering College of Engineering, University of Tehran, Iran**
Sep. 2000 – Oct. 2002	**Deputy of Research, Department of Industrial Engineering College of Engineering, University of Tehran, Iran**

PRIZES &AWARDS

May 2024	**Sheikh Mofid Prize, One of the 100 Faculty Members Selected among of Iranian Universities, Vice President for Science and Technology of Iran.**
January 2019	**Order of Academic Palms Award, Distinguished educators and scholars for the insignia of Chevalier dans l'Ordre des Palmes Academiques awarded by the Ministry of National Education of France, 2019.**
Dec. 2018.	**Outstanding Paper Award, IEEE Int. Conf. on Industrial Engineering and Engineering Management (IEEM), Bangkok, Thailand, 16-19 Dec. 2018.**
May 2016	**International Premier Author of the Articles Section, The Sixth International Festival of University of Tehran, 2016.**
August 2015	**Outstanding rank as the top 1% scientist and researcher in Engineering and Computer Sciences in the world elite group, reported by Thomson Reuters, 2015.**
July 2015	**First rank author at University of Tehran in terms of the highest number and citation of publications, reported by Thomson Reuters and Iranian Islamic World Science Citation Center (ISC), 2015.**
Dec. 2014	**Best Applied Research Project, 23rd Research Festival, University of Tehran, Iran, 2014.**
Dec. 2014	**Best Center of Excellence for Intelligence Based Experimental Mechanics, 23rd Research Festival, University of Tehran, Iran, 2014.**
Dec. 2011	**Distinguished Researcher (1st Rank) in Engineering discipline, 20th Research Festival, University of Tehran, Iran, 2011.**
Dec. 2010	**Distinguished Researcher, 11th Research Festival, Ministry of Science, Research and Technology, Iran, 2010.**
Dec. 2010	**Best Fundamental Research Project in Engineering discipline, 19th Research Festival, University of Tehran, Iran, 2010.**
Dec. 2009	**Distinguished Researcher (2nd Rank) in Engineering discipline, 18th Research Festival, University of Tehran, Iran, 2009.**
Aug. 2009	**Third rank author in terms of the number of publications in the Engineering discipline, by Islamic World Science Citation Center (ISC), Iran, 2009.**
Dec. 2008	**Distinguished Researcher in Engineering discipline, 9th Research Festival, Ministry of Science, Research and Technology, Iran, 2008.**

RESEARCH INTERESTS

- Facilities Layout and Location
- Supply Chain Network Design
- Cellular Manufacturing Systems
- Sequencing and Scheduling
- Meta-heuristic Algorithms

Principal investigator of 40 research projects

PUBLICATIONS

Books: 6
Book Chapters: 52
Journal Papers: 984 (802 English and 182 Persian papers)
Conference Papers: 528 (325 English and 203 Persian papers)

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Edited Book:

[1] Nozari, H. and **Tavakkoli-Moghaddam, R.** (Eds.), Energy-efficient transformative technologies for data-driven smart cities, Elsevier, ISBN: 9780443276187, 2026.

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List of book chapters published since 2005:

1) **Tavakkoli-Moghaddam, R.**, Dolgui, A., and Nozari, H., Energy efficiency in wireless sensor networks, in: H. Nozari and R. **Tavakkoli-Moghaddam** (Eds.), Energy-efficient transformative technologies for data-driven smart cities, Elsevier, Chapter 2, DOI: 10.1016/B978-0-443-27618-7.00011-X, pp. 21-36, 2026.
2) Nozari, H. and **Tavakkoli-Moghaddam, R.**, Optimization techniques for energy efficiency in the super-smart city, in: H. Nozari and R. **Tavakkoli-Moghaddam** (Eds.), Energy-efficient transformative technologies for data-driven smart cities, Elsevier, Chapter 6, DOI: 10.1016/B978-0-443-27618-7.00014-5, pp. 91-106, 2026.
3) Nozari, H. and **Tavakkoli-Moghaddam, R.**, Edge computing for an energy-efficient super-smart city, in: H. Nozari and R. **Tavakkoli-Moghaddam** (Eds.), Energy-efficient transformative technologies for data-driven smart cities, Elsevier, Chapter 12, DOI: 10.1016/B978-0-443-27618-7.00009-1, pp. 197-210, 2026.
4) Bakhshi-Khaniki, H., **Tavakkoli-Moghaddam, R.**, Hanzalek, Z. and Vahedi-Nouri, B., A flexible job shop scheduling problem involving reconfigurable machine tools under Industry 5.0, In: M. Thürer, R. Riedel, G. von Cieminski, and D. Romero (Eds.), *Proc. of the Advances in Production Management Systems (APMS 2024)*, Part VI, Chapter 17, pp. 1-14, Chemnitz, Germany, 08-12 September 2024, The IFIP Advances in Information and Communication Technology series, Vol. 733, Springer, Switzerland, https://doi.org/10.1007/978-3-031-71645-4_17.
5) Nozari, H., **Tavakkoli-Moghaddam, R.** and Dolgui, A., Analysis of critical success factors of sustainable and resilient AIoE-based supply chain in Industry 5.0, In: M. Thürer, R. Riedel, G. von Cieminski, and D. Romero (Eds.), *Proc. of the Advances in Production Management Systems (APMS 2024)*, Part II, Chapter 6, pp. 76-90, Chemnitz, Germany, 08-12 September 2024, The IFIP Advances in Information and Communication Technology series, Vol. 729, Springer, Switzerland, https://doi.org/10.1007/978-3-031-65894-5_6
6) Rekabi, S., Sazvar, Z., Dolgui, A. and **Tavakkoli-Moghaddam, R.**, Designing a new dry port-seaport logistics network with a focus on Industry 5.0 by machine learning, In: M. Thürer, R. Riedel, G. von Cieminski, and D. Romero (Eds.), *Proc. of the Advances in Production Management Systems (APMS 2024)*, Part III, Chapter 21, pp. 1-14, Chemnitz, Germany, 08-12 September 2024, The IFIP Advances in Information and Communication Technology series, Vol. 730, Springer, Switzerland, https://doi.org/10.1007/978-3-031-71629-4_21.
7) Shahabi-Shahmiri, R., **Tavakkoli-Moghaddam, R.**, Dolgui, A., Ghasemi, M. and Mirnezami, S.-A., An AUGMECON2VIKOR algorithm for a multi-objective model in a sustainable manufacturing system under reliable constraints, In: M. Thürer, R. Riedel, G. von Cieminski, and D. Romero (Eds.), *Proc. of the Advances in Production Management Systems (APMS 2024)*, Part VI, Chapter 6, pp. 1-15, Chemnitz, Germany, 08-12 September 2024, The IFIP Advances in Information and Communication Technology series, Vol. 733, Springer, Switzerland, https://doi.org/10.1007/978-3-031-71645-4_21.
8) Esmaeili-Qeshlaqi, M., **Tavakkoli-Moghaddam, R.** and Siadat, A., Optimizing dynamic optimization of a reconfigurable manufacturing system under risk and human factors, *Proc. of the 18th IFAC Symposium on Information Control Problems in Manufacturing (INCOM 2024)*, Vinna, Austria, 28-30 August 2024, *IFAC-PapersOnLine*, Vol. 58-19, pp. 361-366, 2024.
9) Shahabi-Shahmiri, R., Tavakkoli-Moghaddam, R., Hanzalek, Z., Ghasemi, M., Mirnezami, S.-A. and Rohaninejad, M., Optimizing perishable and non-perishable product assignment to packaging lines in a sustainable manufacturing system: An AUGMECON2VIKOR algorithm, *Proc. of the 18th IFAC Symposium on Information Control Problems in Manufacturing (INCOM 2024)*, Vinna, Austria, 28-30 August 2024, *IFAC-PapersOnLine*, Vol. 58-19, pp. 1282-1287, 2024.

10) Ettelaie-Kashani, H., Ghodratnama, A. and **Tavakkoli-Moghaddam, R.**, Simple assembly line balancing with uncertain time and paralleling in different scenarios, *Proc. of the 17th Int. Conf. of Iranian Operations Research Society*, Tehran, Iran, 3-4 July 2024.
11) Ettelaie-Kashani, H., Ghodratnama, A. and **Tavakkoli-Moghaddam, R.**, Selection of the best-case scenario by considering a trade-off between time and cost in the U-type assembly line problem, *Proc. of the 17th Int. Conf. of Iranian Operations Research Society*, Tehran, Iran, 3-4 July 2024.
12) Ettelaie-Kashani, H., Ghodratnama, A. and **Tavakkoli-Moghaddam, R.**, U-type assembly line considering uncertain time and auxiliary labor and machines in different scenarios, *Proc. of the 17th Int. Conf. of Iranian Operations Research Society*, Tehran, Iran, 3-4 July 2024.
13) Rekabi, S., Sazvar, Z. and **Tavakkoli-Moghaddam, R.**, Designing a sustainable responsive dry-sea port logistics network considering multi-modal transportation, *Proc. of the 2nd Int. Conf. on Marine Sciences; Science, Technology and Innovation for Sustainable Sea-besed Economy*, Qeshm, Iran, 27-29 Feb. 2024.
14) Mehdizadeh-Somarin, Z., **Tavakkoli-Moghaddam, R.**, Rohaninejad, M., Hanzalek, Z., and Vahedi-Nouri, B., A constraint programming model for a reconfigurable job shop scheduling problem with machine availability, In: E. Alfnes, A. Romsdal, J.O. Strandhagen, von Cieminski, G. and Romero, D. (Eds.) (Eds.), Advances in Production Management Systems (APMS). Production Management Systems for Responsible Manufacturing, Service, and Logistics Futures, APMS 2023, IFIP AICT 691, Part III, Chapter 33, pp. 477-490, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-031-43670-3_33, *Proc. of the IFIP Int. Conf. on Advances in Production Management Systems (APMS 2023)*, Trondheim, Norway, 17-21 September 3023.
15) Nozari, H., **Tavakkoli-Moghaddam, R.**, Rohaninejad, M., Hanzalek, Z., Artificial intelligence of things (AIoT) strategies for a smart sustainable-resilient supply chain, In: E. Alfnes, A. Romsdal, J.O. Strandhagen, von Cieminski, G. and Romero, D. (Eds.), Advances in Production Management Systems (APMS). Production Management Systems for Responsible Manufacturing, Service, and Logistics Futures, APMS 2023, IFIP AICT 691, Part III, Chapter 56, pp. 805-816, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-031-43670-3_56, *Proc. of the IFIP Int. Conf. on Advances in Production Management Systems (APMS 2023)*, Trondheim, Norway, 17-21 September 3023.
16) Taghipour, F., **Tavakkoli-Moghaddam, R.** and Eghbali-Zarch, M., Home healthcare routing and scheduling problem during the COVID-19 pandemic, In: A. Dolgui, A. Bernard, D. Lemoine, G. von Cieminski, D. Romero (Eds.), Advances in Production Management Systems (APMS): Artificial Intelligence for Sustainable and Resilient Production Systems (Part II, Chapter 40), IFIP Advances in Information and Communication Technology (AICT), Vol. 631, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-030-85902-2_40, pp. 373-382, 2021, *Proc. of the IFIP Int. Conf. on Advances in Production Management Systems (APMS 2021)*, Nantes, France, 5-9 Sep. 2021.
17) Ghasemi, S., **Tavakkoli-Moghaddam, R.**, Hamid, M. and Hosseinzadeh, M., Sustainable facility location-routing problem for blood package delivery by drones with a charging station, In: A. Dolgui, A. Bernard, D. Lemoine, G. von Cieminski, D. Romero (Eds.), Advances in Production Management Systems (APMS): Artificial Intelligence for Sustainable and Resilient Production Systems (Part III, Chapter 1), IFIP Advances in Information and Communication Technology series, Vol. 632, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-030-85906-0_1, pp. 3-14, 2021, *Proc. of the IFIP Int. Conf. on Advances in Production Management Systems (APMS 2021)*, Nantes, France, 5-9 Sep. 2021.
18) Vahedi-Nouri, B., Tavakkoli-Moghaddam, R., Hanzalek, Z. and Dolgui, A., Integrated workforce allocation and scheduling in a reconfigurable manufacturing system considering cloud manufacturing, In: A. Dolgui, A. Bernard, D. Lemoine, G. von Cieminski, D. Romero (Eds.), Advances in Production Management Systems (APMS): Artificial Intelligence for Sustainable and Resilient Production Systems (Part II, Chapter 57), IFIP Advances in Information and Communication Technology series, Vol. 631, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-030-85902-2_57, pp. 535-543, 2021, *Proc. of the IFIP Int. Conf. on Advances in Production Management Systems (APMS 2021)*, Nantes, France, 5-9 Sep. 2021. DOI: 10.1007/978-3-030-85902-2_57
19) Rohaninejad, M., Hanzalek, Z. and Tavakkoli-Moghaddam, R., Scheduling of parallel 3D-printing machines with incompatible job families: A Matheuristic algorithm, In: A. Dolgui, A. Bernard, D. Lemoine, G. von Cieminski, D. Romero (Eds.), Advances in Production Management Systems (APMS): Artificial Intelligence for Sustainable and Resilient Production Systems (Part I, Chapter 6), IFIP Advances in Information and Communication Technology series, Vol. 630, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-030-85874-2_6, pp. 51-61, 2021, *Proc. of the IFIP Int. Conf. on Advances in Production Management Systems (APMS 2021)*, Nantes, France, 5-9 Sep. 2021.
20) Sayyari M.R., **Tavakkoli-Moghaddam R.**, Abraham A. and Oladzad-Abbasabady N., A school bus routing and scheduling problem with time windows and possibility of outsourcing with the provided service quality, In: Abraham A., Piuri V., Gandhi N., Siarry P., Kaklauskas A., Madureira A. (Eds.), *Intelligent Systems Design and Applications (ISDA 2020)*, Advances in Intelligent Systems and Computing (AISC), Vol. 1351,

Springer, Cham, Switzerland, DOI: 10.1007/978-3-030-71187-0_76, pp. 829-839, 2021, Presented at *the 20th Int. Conf. on Intelligent Systems Design and Applications (ISDA 2020)*, Washington, USA, 12-15 Dec. 2020.

21) Shakouhi F.S., **Tavakkoli-Moghaddam R.**, Baboli A., Bozorgi-Amiri A., Fuzzy goal programming based on a Taylor series for a pharmaceutical supply chain with a marketing mix strategy and product life cycle, In: P. Golinska-Dawson, K.M. Tsai, M. Kosacka-Olejnik (Eds.), *Smart and Sustainable Supply Chain and Logistics - Trends, Challenges, Methods and Best Practices*, EcoProduction (Environmental Issues in Logistics and Manufacturing), Springer Nature, Cham, Switzerland, https://doi.org/10.1007/978-3-030-61947-3_27, pp. 395-406, 2020.
22) Rohaninejad, M., Hanzalek, Z., **Tavakkoli-Moghaddam, R.**, Lagrangian dual decomposition for two-echelon reliable facility location problems with facility disruptions. In: P. Golinska-Dawson, K.M. Tsai, M. Kosacka-Olejnik (Eds.), *Smart and Sustainable Supply Chain and Logistics - Trends, Challenges, Methods and Best Practices*, EcoProduction (Environmental Issues in Logistics and Manufacturing), Springer Nature, Cham, Switzerland, https://doi.org/10.1007/978-3-030-61947-3_25, pp 363-379, 2020.
23) **Tavakkoli-Moghaddam, R.**, Alipour-Vaezi, M. and Mohammad-Nazari, Z., A new application of coordination contracts for supplier selection in a cloud environment, In: B. Lalic, V. Majstorovic, U. Marjanovic, G. von Cieminski and D. Romero (Eds.), Advances in Production Management Systems (APMS): Towards Smart and Digital Manufacturing (Vol. 2), IFIP Working Group 5.7, Vol. 592, Springer Nature, Cham, Switzerland, doi:10.1007/978-3-030-57997-5_23, pp. 460-468, 2020, Presented at *the Int. Conf. on Advances in Production Management Systems (APMS 2020)*, Novi Sad, Serbia, Aug. 30 - Sep. 3, 2020.
24) **Tavakkoli-Moghaddam, R.**, Shirazian, S. and Vahedi-Nouri, B., A bi-objective scheduling model for additive manufacturing with multiple materials and sequence-dependent setup time, In B. Lalic, V. Majstorovic, U. Marjanovic, G. von Cieminski and D. Romero (Eds.), Advances in Production Management Systems (APMS): Towards Smart and Digital Manufacturing (Vol. 2), IFIP Working Group 5.7, Vol. 592, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-030-57997-5_52, pp. 451-459, 2020, Presented at *the Int. Conf. on Advances in Production Management Systems (APMS 2020)*, Novi Sad, Serbia, Aug. 30 - Sep. 3, 2020.
25) Ghasemkhani, A., **Tavakkoli-Moghaddam, R.**, Hamid, M. and Mahmoodjanloo, An improvement in master surgical scheduling using artificial neural network and fuzzy programming approach, In: B. Lalic, V. Majstorovic, U. Marjanovic, G. von Cieminski and D. Romero (Eds.), Advances in Production Management Systems (APMS): Towards Smart and Digital Manufacturing (Vol. 2), IFIP Working Group 5.7, Vol. 592, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-030-57997-5_30, pp. 254-262, 2020, Presented at *the Int. Conf. on Advances in Production Management Systems (APMS 2020)*, Novi Sad, Serbia, Aug. 30 - Sep. 3, 2020.
26) Mahmoodjanloo, M., **Tavakkoli-Moghaddam, R.**, Baboli, A. and Bozorgi-Amiri, A., Dynamic distributed job-shop scheduling problem consisting of reconfigurable machine tools, In: B. Lalic, V. Majstorovic, U. Marjanovic, G. von Cieminski and D. Romero (Eds.), Advances in Production Management Systems (APMS): Towards Smart and Digital Manufacturing (Vol. 2), IFIP Working Group 5.7, Vol. 592, Springer Nature, Cham, Switzerland, DOI: 10.1007/978-3-030-57997-5_53, pp. 460-468, 2020, Presented at *the Int. Conf. on Advances in Production Management Systems (APMS 2020)*, Novi Sad, Serbia, Aug. 30 - Sep. 3, 2020.
27) Jafarian-Namin, S., Fallah Nezhad, M.S., **Tavakkoli-Moghaddam, R.** and Mirzabaghi, M., Robust modeling of acceptance control chart to specify best design parameters. In: Shahbazova S., Kacprzyk J., Balas V., Kreinovich V. (Eds.) Recent Developments and the New Direction in Soft-Computing Foundations and Applications. Studies in Fuzziness and Soft Computing, Vol 393. Springer, Cham. DOI: 10.1007/978-3-030-47124-8_26, pp. 321-332, 2021. Presented at *the 7th World Conference on Soft Computing (WConSC)*, Baku, Azerbaijan, 28-31 May 2018.
28) Samadi, A., Hajiaghaei-Keshteli, M. and **Tavakkoli-Moghaddam, R.**, Solving a discounted closed-loop supply chain network design problem by recent metaheuristics, In: B.-Y. Cao (Ed.), *Fuzzy Information and Engineering-2019*, Advances in Intelligent Systems and Computing, Vol. 1094, Springer Nature, Singapore, DOI: 10.1007/978-981-15-2459-2_1, pp. 3-24, 2020. Presented at *the 9th Int. Conf. of Fuzzy Information and Engineering (ICFIAE)*, Kish Island, Iran, 13-15 February 2019.
29) Fakhari, F., **Tavakkoli-Moghaddam, R.**, Tohidifard, M. and Ghaderi, S.F., Location optimization of gas power plants by a Z-number data envelopment analysis, in: L.T. Hoai An, M.L. Hoai and P.D. Tao and Y.D. Sergeyev (Eds.), *Optimization of complex systems: Theory, models, algorithms and applications*, Advances in Intelligent Systems and Computing (AISC), Vol. 991, Switzerland: Springer, DOI: 10.1007/978-3-030-21803-4_92, pp. 926-936, 2020. Presented at the World Congress on Global Optimization (WCGO 2019), Metz, France, 8-10 July 2019.
30) Navazi, F., **Tavakkoli-Moghaddam, R.**, Sazvar, Z. and Memari, P., Sustainable design for a bi-level transportation-location-vehicle routing scheduling problem in a perishable product supply chain, In: T.

Borangiu, D. Trentesaux, A. Thomas, S. Cavalieri (Eds.), *Service Orientation in Holonic and Multi-Agent Manufacturing (SOHOMA 2018)*, Studies in Computational Intelligence, Vol. 803, Springer, DOI: 10.1007/978-3-030-03003-2_24, pp. 308-321, 2019.

31) Zabihian, A., **Tavakkoli-Moghaddam, R.**, Memari, P. and Jolai, F., Location-pricing problem in the closed-loop supply chain network design under uncertainty, In: T. Borangiu, D. Trentesaux, A. Thomas, S. Cavalieri (Eds.), *Service Orientation in Holonic and Multi-Agent Manufacturing (SOHOMA 2018)*, Studies in Computational Intelligence, Vol. 803, Springer, DOI: 10.1007/978-3-030-03003-2_28, pp. 360-371, 2019.
32) Raziei, Z., **Tavakkoli-Moghaddam, R.**, Rezaei-Malek, M., Bozorgi-Amiri, A. and Jolai, F., Postdisaster relief distribution network design under disruption risk: A tour covering location-routing approach, In: P. Samui, D. Kim and C. Ghosh, *Global Case Studies in Mitigation and Recovery*, Chapter 23, DOI: 10.1016/B978-0-12-812056-9.00023-3, pp. 393–406, 2018.
33) Amini A., **Tavakkoli-Moghaddam, R.** and Ebrahimnejad, S., Scenario-based location arc routing problems: introducing mathematical models, In: J. Xu, M. Gen, A. Hajiyev and F.L. Cooke (Eds.), *Lecture Notes on Multidisciplinary Industrial Engineering*, DOI: 10.1007/978-3-319-59280-0_41, pp. 511-521, 2018. (Presented at the 11th Int. Conf. on Management Science and Engineering Management (ICMSEM), Kanazawa, Japan, 21-24 July 2017.)
34) Yazdanparast, R., **Tavakkoli-Moghaddam, R.**, Rezaie-Malek, M. and Zare-Akandeh, Z., A simulation optimization approach for operator allocation and machines dispatching rule in a cellular manufacturing system with an operators' decision-making style, In: G.A. Süer and M. Gen (Eds.), *Cellular Manufacturing Systems: Recent Developments, Analysis and Case Studies*, (22 Chapters, 599 pages), Chapter 14, Nova Science Publisher, USA, pp. 381-411, 2017.
35) Husseinzadeh-Kashan, A., **Tavakkoli-Moghaddam, R.** and Gen, M., A warfare inspired optimization algorithm - The find-fix-finish-exploit-analyze (F3EA) metaheuristic algorithm, In: J. Xu, A. Hajiyev, Nickel, S. and M. Gen (Eds.), *Advances in Intelligent Systems and Computing*, Part II, Springer, Singapore, ISBN: 978-981-10-1836-7 (Print) and 978-981-10-1837-4 (Online), DOI: 10.1007/978-981-10-1837-4_34, Vol. 502, pp. 393-408, 2017. (Presented at *the 10th Int. Conf. on Management Science and Engineering Management*, Baku, Azerbaijan, 30 Aug. – 2 Sep. 2016.)
36) **Tavakkoli-Moghaddam, R.**, Gitinavard, H., Mousavi, S.M., and Siadat, A., An interval-valued hesitant fuzzy TOPSIS method to determine the criteria weights, in: B. Kaminski, G.E. Kersten and T. Szapiro, (Eds.), *Outlooks and Insights on Group Decision and Negotiation*, *Lecture Notes in Business Information Processing*, ISBN: 978-3-319-19514-8 (Print), Springer-Verlag, India, DOI: 10.1007/978-3-319-19515-5_13, Vol. 218, pp. 157-169, 2015. (Presented at the *15th Int. Conf. on Group Decision and Negotiation*, Warsaw, Poland, 22-26 June 2015.)
37) **Tavakkoli-Moghaddam, R.**, Sotoudeh-Anvari, A. and Siadat, A., A multi-criteria group decision-making approach for facility location selection using PROMETHEE under a fuzzy environment, in: B. Kaminski, G.E. Kersten and T. Szapiro, (Eds.), *Outlooks and Insights on Group Decision and Negotiation*, *Lecture Notes in Business Information Processing*, ISBN: 978-3-319-19514-8 (Print), Springer-Verlag, India, DOI: 10.1007/978-3-319-19515-5_12, Vol. 218, pp. 145-156, 2015. (Presented at the *15th Int. Conf. on Group Decision and Negotiation*, Warsaw, Poland, 22-26 June 2015.)
38) **Tavakkoli-Moghaddam, R.**, Heydar, M. and Mousavi, S.M., A hybrid GA for simultaneously scheduling an FMC under multiple objectives, In: J.S. Yeomans, R. Montemanni and T.E. Nordlander (Eds.), *Lecture Notes in Management Science*, Vol. 5, ISSN 2008-0050 (Print), Tadbir Operational Research Group Ltd., Canada, pp. 133–142, 2013.
39) Vahdani, B., **Tavakkoli-Moghaddam, R.** and Mousavi, S.M., Scheduling of trucks in cross-docking systems: A hybrid meta-heuristic algorithm, In: J.S. Yeomans, R. Montemanni and T.E. Nordlander (Eds.), *Lecture Notes in Management Science*, Vol. 5, ISSN 2008-0050 (Print), Tadbir Operational Research Group Ltd., Canada, pp. 125–132, 2013.
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