

Curriculum Vitae

Name: Manish Verma

Business Address: DSB411, DeGroot School of Business, McMaster University,
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Educational Background:

2005 PhD in Business (Operations Management with minor in Management Science)
Desautels Faculty of Management, McGill University, Montreal, Canada.

1999 Master of Business Administration (Finance and Operations Management)
Desautels Faculty of Management, McGill University, Montreal, Canada.

1993 Bachelor of Arts (Honors)
University of Delhi, New Delhi, India.

Current Status at McMaster:

07/2013–present Associate Professor (Tenured), DeGroot School of Business.

07/2013–present Member, School of Computational Sciences and Engineering.

Professional Organizations:

- Member, Production and Operations Management Society (POMS).
- Member, Institute for Operations Research and the Management Sciences (INFORMS).
- Member, Canadian Operational Research Society (CORS).

Employment History:

Academic

07/2020-present *Chair, Operations Management Area, DeGroot School of Business, McMaster University.*

07/2013-present *Associate Professor, DeGroot School of Business, McMaster University.*

09/2010-06/2013 *Associate Professor, Faculty of Business Administration, Memorial University.*

09/2004-08/2010 *Assistant Professor, Faculty of Business Administration, Memorial University.*

Industry

07/1998-08/1999 *Management Associate, International Machinery Inc., Montreal, Canada.*

05/1997-08/1997 *Associate, Lazard CreditCapital LLC, New Delhi, India.*

08/1993-07/1996 *Financial Analyst, Dina Metals, Patna, India.*

05/1989-08/1990 *Sales Officer, Techno Tools, Ranchi, India.*

Scholarly and Professional Activities:

Editorial Boards

10/2013-present	Member, Editorial Advisory Board, <i>Transportation Research Part E: Logistics & Transportation Review</i> , Elsevier Publications.
09/2010-present	Member, <i>American Journal of Operational Research</i> , Scientific Research: An Academic Publisher.
2014	Associate Editor, <i>Canadian Journal of Administrative Sciences</i> , Wiley Publications.
09/2007-08-2010	Member, <i>AIMS International Journal of Management</i> , AIMS International publications.

Journal Referee

A:	AIMS International Journal of Management; Annals of Operations Research; Applied Mathematical Modeling; Applied Soft Computing; Asian Journal of Water, Environment and Pollution; Asia Pacific Journal of Marketing and Logistics.
C:	Canadian Journal of Administrative Sciences; Computers and Operations Research; Computers and Industrial Engineering.
D:	Decision Sciences.
E:	Energy and Environment; European Journal of Operational Research.
I:	Information Systems and Operational Research (INFOR); International Journal of Management Science and Engineering Management; International Journal of Sustainable Transportation.
J:	Journal of Advanced Transportation; Journal of Hazardous Materials; Journal of Multi-Criteria Decision Analysis; Journal of Operational Research Society; Journal of Transport & Health; Journal of Transportation Safety & Security; Journal of Rail Transport Planning & Management.
M:	Mathematical and Computer Modeling; Marine Pollution Bulletin.
N:	Networks and Spatial Economics.
O:	OMEGA-The International Journal of Management Science.
P:	Production & Operations Management.
R:	Risk Analysis—An International Journal.
S:	Safety Science; Scientica Iranica; Socio-Economic Planning Sciences.
T:	Transportation Research B: Methodological; Transportation Research C: Emerging Technologies; Transportation Research D: Transport and Environment; Transportation Research E: Logistics and Transportation Review; Transportation Science.

External Grant Review

- NSERC Discovery Grants.
- NSERC Canada Research Chair -Tier II.
- NSERC Collaborative Research and Development Grants.
- FRQSC Grant.
- MITACS Accelerate.
- Indian Institute of Management-Ahmedabad, India.

External Tenure and Promotion Review

2020	Ted Rogers School of Management, Ryerson University.
2016	Department of Mechanical and Industrial Engineering, Concordia University.

External PhD Thesis Examiner

2018	Department of Management Sciences, University of Waterloo.
2014	Department of Mechanical and Industrial Engineering, University of Toronto.
2014	Department of Information Systems Engineering, Concordia University.

Areas of Interest:

- Network design and multimodal freight transportation.
- Risk assessment and management of dangerous goods.
- Security issues in location and transportation networks.
- Humanitarian logistics.
- Optimization and solution methods in supply chain management.
- Transportation and risk analytics.

Honours:

2019	<i>Research Excellence Award</i> , DeGroot School of Business, McMaster University.
2014	<i>ISERC Best Track Paper -Operations Research</i> , IIE Annual Conference and Expo. Joint work with former PhD student (Dr. Atiq Siddiqui).
2013	<i>Best poster presentation-2nd prize</i> , INFORMS Annual General Meeting. Joint work with former PhD student (Dr. Ghazal Assadipour).
2012	<i>Best paper competition-2nd prize</i> , 9 th AIMS International Conference on Management.
2011	<i>Dean's Research Award</i> , Faculty of Business Administration, Memorial University.
2011	<i>Best paper award -Management Science</i> , Administrative Sciences Association of Canada (ASAC) Conference. Joint work with former PhD student (Dr. Atiq Siddiqui).
2009	<i>Best paper award</i> , 3 rd International Conference on Global Interdependence and Decision Sciences.
2009	<i>Best Professor in Management Science/Operations Management</i> , Selected by the Commerce Class of 2009, Faculty of Business Administration, Memorial University.
2008	<i>Dean's Teaching Award</i> , Faculty of Business Administration, Memorial University.
2007	<i>Best Professor in Management Science/Operations Management</i> , Selected by the Commerce Class of 2007, Faculty of Business Administration, Memorial University.
2005	<i>Best paper award -2nd prize</i> . Canadian Operational Research Society (CORS) student paper competition.
2005	<i>Dean's Honours List for PhD Thesis and Defense</i> , Desautels Faculty of Management, McGill University.
2004	<i>Doctoral Dissertation Award</i> , Desautels Faculty of Management, McGill University.
2000-04	<i>Research Scholarship</i> , Management Science Research Center, Desautels Faculty of Management, McGill University.
1999	<i>Greville Smith McGill Major Fellowship award</i> , McGill University.

Courses Taught (last 5 years):

Undergraduate

- COM 4QC3: Modeling and Analytics using Excel (Redesigned and new content); W18, W20.

Graduate

- BUS Q786: Network Design Issues in Freight Transportation (New Course); W16, W18, W20.
- BUS Q780: PhD Seminar I (customized for each PhD student); F16, W19.
- BUS Q781: PhD Seminar II (customized for each PhD student); W17, F19, F20.
- BUS O711: Predictive Modeling and Analytics (New Course); W20, W21.
- BUS BL711: Predictive Analytics for Managers (New Course); W21.
- BUS I603: Competing through Digital Transformation & Analytics (New Course); F17, F17, F19, F20.
- BUS O701: Modeling and Analytics using Spreadsheet (Redesigned and new content); F16, F17, F19, F20.

Contributions to Teaching Practice:

Leadership in delivery of educational programs

- Development and fine-tuning of *Business Analytics* specialization in the DeGroot MBA Program.
- Content development for *Math and Excel* skills bootcamp for incoming MBA cohorts.

Course and curriculum development

- Designed, developed, and offered a new PhD course “Network Design Issues in Freight Transportation”.
- Designed, developed, and offered 10 PhD seminar courses to 5 students (to date).
- Designed, developed, and offered a new MBA course “Predictive Modeling and Analytics”.
- Designed, developed, and offered a new BLPT MBA course “Predictive Modeling for Managers”.
- Co-designed, co-developed, and offered a new MBA course “Competing through Digital Transformation and Analytics”.
- Re-designed, developed, and offered the MBA course “Modeling and Analytics using Spreadsheets”.
- Re-designed, developed, and offered the Commerce course “Modeling and Analytics using Excel”.
- Developed, and offered the MBA course “Applied Business Statistics”.
- Developed, and offered the Engineering Management course “Operations Modeling and Analysis”.

Supervisorships:

Masters

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| 09/2021-08/2023 | Ms. Paria Fakhrzad, School of Computational Sciences and Engineering, McMaster University. |
| 09/2018-08/2020 | Mr. Nishit Bhavsar, School of Computational Sciences and Engineering, McMaster University.
<u>Thesis:</u> <i>Role of government subsidy in reducing risk from rail hazmat shipments.</i>
<u>Current position:</u> PhD student, School of Computational Sciences and Engineering, McMaster University. |
| 09/2018-10/2020 | Mr. Arash Moradi Rad, School of Computational Sciences and Engineering, McMaster University.
<u>Thesis:</u> <i>Managing disruption in intermodal transportation networks.</i>
<u>Current position:</u> Analyst, Bay Street, Toronto. |

Doctorate

- 09/2020-08/2024 Ms. Zeinab Vosooghi, DeGroot School of Business, McMaster University.
- 09/2020-08/2024 Ms. Zahra Mashayekhi, DeGroot School of Business, McMaster University.
- 09/2020-08/2024 Mr. Nishit Bhavsar (co-supervised), School of Computational Sciences and Engineering, McMaster University.
Thesis: *The role of big data and machine learning in multimodal network design.*
- 01/2019-04/2023 Mr. Mohammad Moshtagh, DeGroot School of Business, McMaster University.
Thesis: *Joint issuing, replenishment, production and disposal decisions in an integrated blood supply chain.*
- 09/2018-08/2022 Mr. S. Hossein Alavi, DeGroot School of Business, McMaster University.
Thesis: *Strategies to manage financial disruption in a supply chain.*
- 09/2018-08/2022 Ms. Alyaa Abdelhalim, DeGroot School of Business, McMaster University.
Thesis: *Investigating sustainability in humanitarian logistics/ disaster management.*
- 09/2015-10/2018 Ms. Kiran Ali, DeGroot School of Business, McMaster University.
Thesis: *Disruption in rail-truck intermodal transportation system.*
Current Status: Withdrawn from the program.
- 09/2014-10/2018 Dr. Davod Hosseini, DeGroot School of Business, McMaster University.
Thesis: *Risk management for railroad transportation of hazmat.*
Current position: Assistant Professor, Sobey School of Business, Saint Mary's University, Halifax.
- 09/2013-08/2018 Dr. Ali Vaezi, DeGroot School of Business, McMaster University.
Thesis: *A co-operative approach to evaluating the feasibility of designing emergency response network, and determining the best expansion plan for Canadian railroads.*
Current position: Assistant Professor, Goodman School of Business, Brock University, St. Catharines.
- 09/2010-08/2015 Dr. Hassan Sarhadi, Faculty of Business Administration, Memorial University.
Thesis: *Protection planning for rail-truck intermodal transportation system.*
Current position: Assistant Professor, Fred Manning School of Business, Acadia University, Wolfville.
- 09/2010-08/2014 Dr. Ghazal Assadipour, Faculty of Business Administration, Memorial University.
Thesis: *Analytical approaches to planning intermodal transportation system for regular and hazmat freight.*
Current position: Data Scientist, City of Vancouver.
- 09/2008-08/2012 Dr. Atiq Siddiqui, Faculty of Business Administration, Memorial University.
Thesis: *Tactical planning in maritime transportation of crude oil.*
Current position: Assistant Professor, College of Business Administration, Imam Abdulrahman Bin Faisal University, KSA.

Post-Doctorate

- 11/2019-10/2020 Dr. Hossein Khosroshahi (co-supervised with Drs. N. Azad and A. Jabbarzadeh), DeGroot School of Business, McMaster U.
Project: *Determining the level and quality of environmental disclosure in the presence of governmental intervention.*
Current position: Assistant Professor, Department of Industrial and Systems Engineering, Isfahan University of Technology, Iran.

- 11/2019-10/2020 Dr. Hadi Mosadegh (co-supervised with Drs. N. Azad and A. Jabbarzadeh), OntarioTech.
Project: *Routing and scheduling rail hazmat shipments.*
Current position: Assistant Professor, Iran University of Science and Technology, Iran.
- 05/2019-08/2020 Dr. Davod Hosseini, DeGroot School of Business, McMaster U.
Project: *Role of machine learning in predicting accidents in urban environment.*
Current position: Assistant Professor, Sobey School of Business, Saint Mary's University, Halifax.
- 03/2018-02/2019 Dr. Prasanna R. (co-supervised with Dr. N. Vidyarthi), John Molson School of Business, Concordia U.
Project: *Hub location under disruption.*
Current position: Assistant Professor, Indian Institute of Technology – New Delhi, India.
- 10/2017-09/2018 Dr. Armin Jabbarzadeh (co-supervised with Dr. N. Azad), DeGroot School of Business, McMaster U.
Project: *Incorporating (random/intentional) disruption in hazardous materials transportation decisions.*
Current position: Assistant Professor, ETS Montreal, Montreal.
- 09/2017-08/2019 Dr. Rezvan Raifei (co-supervised with Dr. K. Huang), DeGroot School of Business, McMaster U.
Project: *Cash versus in-kind policies in humanitarian aid operations.*
Current position: Data Analytics Specialist, TD Bank.
- 08/2016-07/2017 Dr. Jiahong Zhao (co-supervised with Dr. V. Verter), DeGroot School of Business, McMaster U.
Project: *The modified diffusion models for pipeline risk assessment.*
Current position: Assistant Professor, Guangdong University of Technology, China.
- 07/2014-04/2016 Dr. Nader Azad (co-supervised with Dr. E. Hassini), DeGroot School of Business, McMaster U.
Project: *Strategies for recovering from railroad disruptions.*
Current position: Assistant Professor, Ontario Tech University, Canada.
- 04/2014-03/2015 Dr. Kan Fang (co-supervised with Dr. GY Ke), Faculty of Business Administration, Memorial U.
Project: *Railroad transportation of hazardous materials.*
Current position: Assistant Professor, Tianjin University, China.
- 01/2010-12/2010 Dr. Morteza Bagheri (co-supervised with Dr. V. Verter), Desautels Faculty of Management, McGill U.
Project: *Placement of hazmat railcars to minimize transit risk.*
Current position: Associate Professor, Iran University of Science and Technology, Iran.

Supervisory committees

- 06/2020-present Mr. Si Liu, DeGroot School of Business, McMaster U.
Supervisor: Dr. E. Hassini
- 09/2018-present Ms. May Haggag, School of Engineering, McMaster U.
Supervisor: Dr. Wael El-Dakhakhni
- 09-2017-present Mr. Dewan F. Wahid, School of Computational Sciences and Engineering, McMaster U.
Supervisor: Dr. E. Hassini
- 09/2016-present Mr. Patrick Beeson, DeGroot School of Business, McMaster U.
Supervisor: Dr. K. Huang

09/2016-06/2017	Mr. Moataz Abdelkhalek, DeGroote School of Business, McMaster U. Supervisor: Dr. E. Hassini
09/2013-08/2017	Ms. Liufang Yao, DeGroote School of Business, McMaster U. Supervisor: Dr. M. Parlar
09/2013-08/2015	Mr. Majid Taghavi, DeGroote School of Business, McMaster U. Supervisor: Dr. K. Huang

Other

Research Associate

10/2017-03/2018 Ms. Alyaa Abdelhalim; Current: PhD student, McMaster U.

Visiting Scholar/PhD student

04/2009-10/2009	Dr. Xioalin Guo, Southwest Jiaotong University, China. <u>Project:</u> <i>Choosing vehicle capacity to minimize hazmat risk of flammables.</i> <u>Status:</u> Published in <i>Journal of Loss Prevention in the Process Industries.</i>
04/2012-12/2012	Ms. Jie Cheng, Southwest Jiaotong University, China. <u>Project:</u> <i>Exploiting position-specific derailment probabilities in train-makeup.</i> <u>Status:</u> Published in <i>Journal of Transportation Safety & Security.</i>

Graduate/Undergraduate student

05/2019-07/2019	Mr. Reo Jackson, Mitacs Globalink exchange student. <u>Project:</u> <i>Data analytics in Transportation.</i> <u>Role:</u> Building a dashboard for rail accidents data.
05/2015-07/2015	Mr. Rounaq Basu, Mitacs Globalink exchange student. <u>Project:</u> <i>Assessing the modal competitiveness for transporting crude oil in Atlantic Canada.</i> <u>Status:</u> Published in <i>Case Studies on Transport Policy.</i>
06/2012-12/2012	Mr. Matt Boland, MBA student, Memorial University. <u>Project:</u> <i>Marine transportation of crude oil.</i> <u>Role:</u> Data collection, cleaning and building the marine accident database.
01/2010-12/2010	Mr. Guanyao Zhan, MSc student, Memorial University. <u>Project:</u> <i>Intermodal transportation of hazardous materials.</i> <u>Role:</u> Computer program for metaheuristic solution methodologies.
05/2010-08/2010	Mr. Ruan Uys, BCom (co-op) student, Memorial University. <u>Project:</u> <i>Intermodal transportation of hazardous materials.</i> <u>Role:</u> Data collection, cleaning and building a rail intermodal database.
09/2006-08/2009	Chair, <i>Greening the Supply Chain – NAFTA Student Mobility Program</i> . I supervised the research projects of 6 undergraduate students. All projects dealt with “greening and environmental consciousness”, and were as follows: <ol style="list-style-type: none"> 1. Ms. Julieta Osuna studied “<i>Greening the supply chain: evaluating the carbon footprint of a global retailer</i>”. 2. Mr. Curtis Soukup studied “<i>Evaluating the greenhouse effect of transporting dangerous goods in Canada</i>”. 3. Mr. Alejandro Chavez studied “<i>An evaluation of Wal-Mart supply chain and greening in the United States</i>”.

4. Mr. Juan Tijerina studied “*An evaluation of the supply chain management practices & sustainability at the Adidas group*”.
5. Mr. Alejandro Arizmendi studied “*Supply chain & environmental responsibility assessment of TESCO PLC*”.
6. Mr. David Maloof studied “*Wal-Mart’s and Coco-Cola’s supply chain management and their environmental responsiveness*”.

Lifetime Research Funding:

2021-2025	\$215,000	NSERC Discovery Grant <u>Title:</u> <i>Strategic and tactical issues in the transportation of freight, hazardous materials and relief-items.</i>
2020-2024	\$3,000,000	NSERC Alliance Grant (PI: M. Roorda, E. Hassini, P. Park; collaborator) <u>Title:</u> <i>City logistics for the urban economy.</i>
2016-2020	\$151,000	NSERC Discovery Grant <u>Title:</u> <i>Disruption and recovery/resilience, and safety issues in freight transportation.</i>
2016-2018	\$120,000	NSERC Discovery Accelerator Supplement <u>Title:</u> <i>Disruption and recovery/resilience, and safety issues in freight transportation.</i>
2015-2019	\$123,100	SSHRC Insight Grant (CI: V. Verter and R. Huising) <u>Title:</u> <i>Transportation of crude oil: rail versus pipeline.</i>
2014	\$7,500	McMaster Incentive Grant, McMaster University <u>Title:</u> <i>Transportation of crude oil.</i>
2013	\$35,000	Start-up fund, DeGroote School of Business, McMaster University.
2011-2015	\$95,000	NSERC Discovery Grant <u>Title:</u> <i>Marine and surface transportation of hazardous materials.</i>
2010-2012	\$104,387	SSHRC Standard Research Grant (PI: V. Verter) <u>Title:</u> <i>Hazardous materials transportation in urban areas: risk assessment and regulation.</i>
2006-2010	\$80,000	NSERC Discovery Grant <u>Title:</u> <i>Transportation of dangerous goods.</i>
2005	\$20,000	Start-up fund, Faculty of Business Administration, Memorial University.

Lifetime Publications^{1,2}:

Contributions to books

5. Verma, M., Verter, V. “Railroad transportation of hazardous materials: Models for risk assessment and management” in *Handbook of OR/MS Models in Hazardous Materials Transportation* (eds.) R. Batta and C. Kwon, pp. 9-47, Springer, 2013.

¹ Names of students/post-doctoral fellows are underlined only for projects pursued during the supervisory periods, and not for collaborations beyond that.

² For multi-authored papers with students/post-doctoral fellows, the order of subsequent authors are alphabetical.

4. Verma, M., Verter, V. "Security aspects of hazmat transportation using railroads" in *Security Aspects of Uni- and Multi-modal Hazmat Transportation Systems* (eds.) G. Reniers and L. Zamparini, pp. 49-69, Wiley-VCH, 2012.
3. Bagheri, M., Verma, M., Verter, V. "An expected risk model for rail transport of hazardous materials" in *Transport of Dangerous Goods, NATO Science for Peace and Security Series C: Environmental Security* (eds.) E. Garbolino, M. Tkiouat, N. Yankevich and D. Lachtar, pp. 207-226, Springer, 2012.
2. Zufferey, N., Verma, M. "Tabu search for an intermodal transportation problem" in *Selected Logistics Problems and Solutions* (eds.) M. Fertsch and K. Grzybowska, pp. 7-20, Publishing House of Poznan University of Technology, Poland, 2012.
1. Verma, M., Verter, V. "The trade-offs in rail-truck intermodal transportation of hazardous materials: An illustrative case study" in *Advanced Technologies and Methodologies in Risk Management in the Global Transport of Dangerous Goods* (eds.) C. Bersani, A. Boulmakoul, E. Garbolino and R. Sacile, pp. 148-168, NATO Science for Peace and Security Series, Vo. 45, IOS Press, 2008.

Journal articles (Google citations: 1283; h-index=18; i10-index=26)

41. Vaezi, A., Dalal, J., Verma, M. Designing emergency response network for rail hazmat shipments: An optimization program and a case study. *Safety Science*. (accepted May 2021). **A on ABDC list.**
40. Ke, GY., Verma, M. A framework to managing disruption risk in rail-truck intermodal transportation networks. Forthcoming in *Transportation Research Part E: Logistics and Transportation Review*. (accepted April 2021). **A* on ABDC list.**
39. Sarhadi, H., Chauhan, SS., Verma, M. A budget-constrained partial protection planning of a rail intermodal terminal network. Forthcoming in *SN Applied Sciences*. (accepted April 2021).
38. Khosroshahi, H., Azad, N., Jabbarzadeh, A., Verma, M. Investigating the level and quality of the information in the environmental disclosure report of a corporation considering government intervention. Forthcoming in *International Journal of Production Economics*. (accepted February 2021). **DSB45/ A on ABDC list.**
37. Hosseini, S. Davod., Verma, M. Equitable routing of rail hazardous materials shipments using CVaR methodology. Forthcoming in *Computers & Operations Research* (accepted January 2021). **A on ABDC list.**
36. Jabbarzadeh, A., Azad, N., Verma, M. An optimization approach to rail hazmat shipments in the presence of random disruptions. *Omega*, 96, 102078, 1-15, 2020. **DSB45/ A on ABDC list.**
35. Sarhadi, H., Noaum-Sawaya, J., Verma, M. A robust optimization approach to locating and stockpiling marine oil-response facilities. *Transportation Research Part E: Logistics and Transportation Review*, 141, 102005, 1-19, 2020. **A* on ABDC list.**
34. Sarhadi, H., Tulett, DM., Verma, M. A tri-level mixed-integer program for the optimal fortification of a rail intermodal terminal network. *International Journal of Operational Research*. DOI: 10.1504/IJOR.2020.10031106.
33. Zhao, J., Verma, M., Verter, V. Pipeline transportation of crude oil in Canada: Environmental risk assessment using modified diffusion models. *Human and Ecological Risk Assessment: An International Journal*. DOI: 10.1080/10807039.2020.181808.
32. Hosseini, S. Davod., Verma, M. A conditional value-at-risk (CVaR) methodology to optimal train configuration and routing of rail hazmat shipments. *Transportation Research Part B: Methodological*, 110, 79-103, 2018. **A* on ABDC list.**
31. Vaezi, A., Verma, M. Railroad transportation of crude oil in Canada: Developing long-term forecasts, and evaluating the impact of the proposed pipeline projects. *Journal of Transport Geography*, 69, 98-111, 2018. **A on ABDC list.**
30. Siddiqui, A., Verma, M., Verter, V. An integrated framework for inventory management and transportation of refined petroleum products: Pipeline or Marine? *Applied Mathematical Modeling*, 55, 224-247, 2018.
29. Siddiqui, A., Verma, M. Assessing risk in the intercontinental transportation of crude oil. *Maritime Economics & Logistics*, 20(2), 280-299, 2018. **B on ABDC list.**
28. Vaezi, A., Verma, M. An analytics approach to dis-aggregate national freight data to estimate hazmat traffic on rail-links and rail-yards in Canada. *Rail Transport Planning & Management*, 7(4), 291-307, 2017.

27. Siddiqui, A., Verma, M. A conditional-value-at-risk based methodology to intermediate term planning of crude oil tankers. *Computers & Industrial Engineering*, 113, 405-418, 2017. **A on ABDC list.**
26. Hosseini, S. Davod., Verma, M. A value-at-risk (VaR) approach to routing rail hazmat shipments. *Transportation Research Part D: Transport and Environment*, 54, 191-211, 2017. **A on ABDC list.**
25. Basu, R., Verma, M. An expected consequence approach to assessing the viability of multimodal transportation of crude oil in Eastern Canada. *Case Studies on Transport Policy*, 5(3), 518-526, 2017. **C on ABDC list.**
24. Fang, K., Ke, GY., Verma, M. A routing and scheduling approach to rail transportation of hazardous materials with demand due dates. *European Journal of Operational Research*, 261(1), 154-168, 2017. **DSB45/ A* on ABDC list.**
23. Sarhadi, H., Tulett, DM., Verma, M. An analytical approach to protection planning of a rail intermodal terminal network. *European Journal of Operational Research*, 257, 511-525, 2017. **DSB45/ A* on ABDC list.**
22. Cheng, J., Verma, M., Verter, V. Impact of train-makeup on hazmat risk in a transport corridor. *Journal of Transportation Safety & Security*, 9(2), 167-194, 2017.
21. Assadipour, G., Ke, GY., Verma, M. A toll-based bi-level programming approach to managing hazardous materials shipments over an intermodal transportation network. *Transportation Research Part D: Transport and Environment*, 47, 208-221, 2016. **A on ABDC list.**
20. Azad, N., Hassini, E., Verma, M. Disruption risk management in railroad networks: An optimization-based methodology and a case study. *Transportation Research Part B: Methodological*, 85, 70-88, 2016. **A* on ABDC list.**
19. Siddiqui, A., Verma, M. A bi-objective approach to routing and scheduling maritime transportation of crude oil. *Transportation Research Part D: Transport and Environment*, 37, 65-78, 2015. **A on ABDC list.**
18. Assadipour, G., Ke, GY., Verma, M. Planning and managing intermodal transportation of hazardous materials with capacity selection and congestion. *Transportation Research Part E: Logistics and Transportation Review*, 76, 45-57, 2015. **A* on ABDC list.**
17. Sharan, AM., Verma, M. Optimal method of transportation of passengers from closely spaced starting points but widely separated destination points. *Rai Journal of Technology, Research and Innovation*, 1, 1-7, 2015.
16. Sarhadi, H., Tulett, DM., Verma, M. A defender-attacker-defender approach to optimal fortification of a rail intermodal terminal network. *Journal of Transportation Security*, 8(1-2), 17-32, 2015.
15. Assadipour, G., Ke, GY., Verma, M. An analytical framework for integrated maritime terminal scheduling problems with time windows. *Expert Systems with Applications*, 41(16), 7415-7424, 2014. **C on ABDC list.**
14. Bagheri, M., Verma, M., Verter, V. Transport mode selection for toxic gases: rail or truck? *Risk Analysis - An International Journal*, 34(1), 168-186, 2014.
13. Siddiqui, A., Verma, M., An expected consequence approach to route choice in the maritime transportation of crude oil. *Risk Analysis -An International Journal*, 33(11), 2041-2055, 2013.
12. Verma, M., Gendreau, M., Laporte, G. Optimal location and capability of oil spill response facilities for the south coast of Newfoundland. *Omega*, 41(5), 856-867, 2013. **DSB 45/ A on ABDC list.**
11. Siddiqui, A., Tulett, DM., Verma, M. A periodic requirement scheduling approach to maritime transportation of crude oil. *EURO Journal of Transportation and Logistics*, 2, 307-335, 2013.
10. Verma, M., Verter, V., Zufferey, N. A bi-objective model for planning and managing rail-truck intermodal transportation of hazardous materials. *Transportation Research Part E: Logistics and Transportation Review*, 48(1), 132-149, 2012. **A* on ABDC list.**
09. Verma, M. A fixed-penalty cost and expected consequence approach to planning and managing intermodal transportation of heterogeneous freight. *AIMS International Journal of Management*, 6(2), 101-118, 2012.
08. Verma, M., Verter, V., Gendreau, M. A tactical planning model for the railroad transportation of dangerous goods. *Transportation Science*, 45(2), 163-174, 2011. **DSB45/ A on ABDC list.**
07. Verma, M. Rail transportation of hazardous materials: A conditional population exposure approach. *Transportation Research Part C: Emerging Technologies*, 19(5), 790-802, 2011. **A* on ABDC list.**
06. Zufferey, N., Verma, M. Tabu search for shipping dangerous goods in a rail-truck network. *Research in Logistics & Production*, 3, 127-137, 2011.
05. Ray, S., Song, Y., Verma, M. Exact and approximate periodic review models for stochastic price-sensitive demand. *International Journal of Production Economics*, 128(11), 209-222, 2010. **DSB45/ A on ABDC list.**

04. Verma, M., Verter, V. A lead-time based approach for planning rail-truck intermodal transportation of dangerous goods. *European Journal of Operational Research*, 202(3), 696-706, 2010. **DSB45/ A* on ABDC list.**
03. Guo, X., Verma, M. Choosing vehicle capacity to minimize risk for transporting flammable materials. *Journal of Loss Prevention in the Process Industries*, 23(2), 220-225, 2010.
02. Verma, M. A cost and expected consequence approach to planning and managing railroad transportation of hazardous materials. *Transportation Research Part D: Transport and Environment*, 14(5), 300-308, 2009. **A on ABDC list.**
01. Verma, M., Verter, V. Railroad transportation of dangerous goods: Population exposure to airborne toxins. *Computers and Operations Research*, 34, 1287-1303, 2007. **A on ABDC list.**

Other, including Proceedings of Meetings

37. Bhavsar, N., Verma, M. Subsidy policy for risk equity in the rail hazmat transportation network: A risk mitigation strategy. *Proceedings of the Transportation Science & Logistics Meeting*, Washington, United States, 2020 (May).
36. Verma, M., Jabbarzadeh, A., Azad, N. Planning rail hazmat shipment in the presence of random disruptions. *Proceedings of the Transportation Science & Logistics Meeting*, Washington, United States, 2020 (May).
35. Verma, M., Sarhadi, H., Tulett, DM. An analytical methodology to the optimal fortification of a rail intermodal terminal network. *51st Annual Convention of ORSI & International Conference*, Mumbai, India, 2018 (December).
34. Verma, M., Vaezi, A. An investment framework to mitigating risk from railroad transportation of hazardous materials. *51st Annual Convention of ORSI & International Conference*, Mumbai, India, 2018 (December).
33. Verma, M., Sarhadi, H., Tulett, DM. An analytical methodology to the optimal fortification of a rail intermodal terminal network. *49th Annual Meeting of the Decision Sciences Institute*, Chicago, United States, 2018 (November).
32. Verma, M., Hosseini, S. Davod. A CVaR approach to optimal train configuration and routing of rail hazmat shipments. *INFORMS-TSL: 1st Triennial Conference*, Chicago, United States, 2017 (July).
31. Tulett, DM., Sarhadi, H., Verma, M. A game theoretic approach to the optimal fortification of a rail intermodal terminal network. *Administrative Sciences Association of Canada (ASAC)*, Montreal, Canada, 2017 (May).
30. Hosseini, S. Davod, Verma, M. Value-at-risk (VaR) risk assessment methodology for railroad transportation of hazardous materials. *Administrative Sciences Association of Canada (ASAC)*, Montreal, Canada, 2017 (May).
29. Vaezi, A., Verma, M. Estimating flammable liquids traffic on railroad network in Canada. *Administrative Sciences Association of Canada (ASAC)*, Montreal, Canada, 2017 (May).
28. Verma, M. Railroad transportation of hazardous materials: Risk assessment and management. *Rail Safety & Reliability -A Global Perspective*, Mumbai, India, 2016 (June).
27. Vaezi, A., Verma, M. Emergency response planning for railroad accidents involving hazardous materials in Canada. *POMS 27th Annual Conference*, Orlando, United States, 2016 (May).
26. Verma, M., Siddiqui, A. A CVaR approach to planning crude oil tanker fleet. *Manufacturing & Service Operations Management Conference*, Toronto, Canada, 2015 (June).
25. Assadipour, G., Ke, GY., Verma, M. Regulating intermodal transportation of hazardous materials. *Transportation Research Board 94th Annual Meeting*, Washington, United States, 2015 (January).
24. Verma, M., Siddiqui, A. A risk-cost approach to routing & scheduling crude oil tankers. *IIE Annual Conference and Expo*, Montreal, Canada, 2014 (June).
23. Verma, M., Assadipour, G., Ke, GY. A metaheuristic approach to the maritime terminal crane scheduling problem. *IIE Annual Conference and Expo*, Montreal, Canada, 2014 (June).
22. Verma, M. A Gaussian plume-based population exposure approach to railroad transportation of hazardous materials. *International Conference on Advances in Communication Network and Computing*, Chennai, India, 2013 (February).

21. Verma, M., Verter, V., Zufferey, N. A meta-heuristic approach to rail-truck intermodal transportation of hazardous materials. *International Conference on Advances in Communication Network and Computing*, Chennai, India, 2013 (February).
20. Verma, M. An expected consequence approach to railroad transportation of hazardous materials. *International Conference on Reliability, Infocom Technologies and Optimization*, New Delhi, India, 2013 (January).
19. Verma, M., Siddiqui, A. Maritime crude oil delivery scheduling. *International Conference on Reliability, Infocom Technologies and Optimization*, New Delhi, India, 2013 (January).
18. Verma, M. A penalty cost approach to intermodal transportation of heterogeneous freight with specified delivery times. *9th AIMS International Conference on Management*, Pune, India, 2012 (January).
17. Verma, M., Siddiqui, A. An expected consequence approach to intercontinental transportation of crude oil. *9th AIMS International Conference on Management*, Pune, India, 2012 (January).
16. Verma, M., Siddiqui, A. An analytical approach to maritime crude oil transportation. *1st Conference of Transportation Research Group of India*, Bangalore, India, 2011 (December).
15. Verma, M., Verter, V., Zufferey, N. A population exposure approach to planning intermodal transportation of hazardous materials. *XV Annual International Conference of Society of Operations Management*, Kolkata, India, 2011 (December).
14. Siddiqui, A., Verma, M. Scheduling of crude oil deliveries using VLCC/ULCC tankers. *Administrative Sciences Association of Canada (ASAC)*, Montreal, Canada, 2011 (July).
13. Bagheri, M., Verma, M., Verter, V. A comprehensive risk assessment framework for rail transport of hazardous materials. *1st International Conference on Transportation Information & Safety*, Wuhan, China, 2011 (July).
12. Verma, M., Verter, V., Gendreau, M. A population exposure approach to planning and managing railroad transportation of dangerous goods. *3rd International Conference on Global Interdependence and Decision Sciences*, Hyderabad, India, 2009 (December).
11. Verma, M., Verter, V. Rail-truck intermodal transportation of hazardous materials. *NATO Advanced Research Workshop: Security and Environmental Sustainability of Multimodal Transport*, London, United Kingdom, 2009 (January).
10. Verter, V., Verma, M., Gendreau, M. Railroad transportation of hazardous materials: A risk-cost approach. *ODYSSEUS 2009 -4th International Workshop on Freight Transportation and Logistics*, Izmir, Turkey, 2009 (May).
09. Verma, M., Verter, V. A bi-objective model for rail-truck intermodal transportation of hazardous materials. *Administrative Sciences Association of Canada (ASAC)*, Halifax, Canada, 2008 (May).
08. Verma, M., Verter, V., Gendreau, M. A bi-objective model for railroad transportation of hazardous materials. *11th World Congress on Transport Research*, Berkeley, United States, 2007 (June).
07. Verter, V., Verma, M. A lead-time based approach for planning rail-truck intermodal transportation of dangerous goods. *TRISTAN VI-Triennial Symposium on Transportation Analysis*, Phuket Island, Thailand, 2007 (June).
06. Verma, M., Verter, V. Intermodal transportation of dangerous goods. *36th Atlantic School of Business Conference*, Sackville, Canada, 2006 (September).
05. Verma, M., Verter, V. An enumerative approach to rail-truck intermodal transportation of mixed shipments. *International Conference in Operations Research*, Bremen, Germany, 2006 (August).
04. Verma, M. Analytical approaches to railroad and rail-truck intermodal transportation of hazardous materials. *PhD Dissertation -Desautels Faculty of Management, McGill University*, 2005 (June).
03. Verter, V., Verma, M. Transport risk assessment of the daily rail shipments of petroleum products across Montreal. *10th World Congress on Transport Research*, 2004 (June).
02. Verma, M., Verter, V. Risk assessment of the Ultramar unit-train carrying finished petroleum products. *McGill Symposium on Environmental Research*, Montreal, Canada, 2003 (May).
01. Verma, M. Hazardous materials logistics: comprehensive survey and analysis. *Comprehensive Paper - Desautels Faculty of Management, McGill University*, 2002 (February).

Submitted for Publication

07. Bhavsar, N., Verma, M. A subsidy policy to ensuring hazmat risk-equity in railroad transportation network. *European Journal of Operational Research*: invited to revise & resubmit. **DSB45/ A* on ABDC list.**
06. Azad, N., Hassini, E., Verma, M. Optimal investment and sourcing strategies during recovery from supply disruptions. *European Journal of Operational Research*: invited to revise & resubmit. **DSB45/ A* on ABDC list.**
05. Tripathi, G., Tanksale, A., Verma, M. Optimal location of accident relief facilities in a railway network. *Safety Science*: initial submission. **A on ABDC list.**
04. Rafiei, R., Huang, K., Verma, M. Cash versus in-kind transfer programs in humanitarian operations: An optimization program and a case study. *Socio-Economic Planning Sciences*: initial submission. **C on ABDC list.**
03. Vaezi, A., Verma, M. An infrastructure investment methodology to risk mitigation from rail hazmat shipments. *International Journal of Risk Assessment and Management*: initial submission. **C on ABDC list.**
02. Siddiqui, A., Sarhadi, H., Verma, M. A robust optimization approach to risk-averse routing of marine crude oil tankers. *Transportation Research Part E*: initial submission. **A* on ABDC list.**
01. Alavi, S. Hossein, Verma, M. A robust optimization approach to managing disruption in supply chain finance. Target: *European Journal of Operational Research*: initial submission. **DSB45/ A* on ABDC list**

Unpublished Documents: Being prepared for peer reviewed journals

06. Rad, A. Moradi, Verma, M. An optimization-based machine learning approach to managing disruption in the rail-truck intermodal transportation of hazardous materials. Target: *Omega*. Expected submission: June 2021. **DSB45/ A on ABDC list.**
05. Khosroshahi, H., Azad, N., Jabbarzadeh, A., Verma, M. Quality and quantity environmental disclosure for green and non-green supply chains in heterogenous market considering government intervention. Target: *Journal of Cleaner Production*. Expected submission: July, 2021. **A on ABDC list.**
04. Moshtagh, Mohammad S., Zhou, Y., Verma, M. Integrated collection, production, and distribution model of blood products. Target: *European Journal of Operational Research*. Expected submission: August, 2021. **DSB45/ A* on ABDC list.**
03. Mosadegh, H., Jabbarzadeh, A., Azad, N., Verma, M. Routing and scheduling of rail hazmat shipments. Target: *Transportation Science*. Expected submission: October 2021. **DSB45/ A on ABDC list.**
02. Prasanna, R., Vidyarthi, N., Verma, M. Location hubs under the risk of random disruptions. Target: *Transportation Research Part B: Methodological*. Expected submission: November 2021. **A* on ABDC list.**
01. Dalal, J., Sarhadi, H., Verma, M. A robust optimization approach to network design of rail hazmat emergency response network. *Transportation Research Part E: Logistics and Transportation Review*. Expected submission: November 2021. **A* on ABDC list.**

Presentations at Meetings³:

Invited

- Verma, M., and Hosseini, S. Davod. A conditional value-at-risk approach to equitable routing of rail hazmat shipments. *POMS 30th Annual Conference*, Washington DC, United States, May 2019.
- Verma, M., and Vaezi, A. An Infrastructure Investment Strategy for Risk Mitigation in Railroad Transportation of Hazardous Materials. *60th Annual Canadian Operational Research Society*.
- Verma, M. Disruption and resilience issues in freight transportation. *Indian Institute of Management – Ahmedabad*, India, August 2016.

³ This list excludes presentation done by co-authors.

- Verma, M. Planning and managing intermodal transportation of hazardous materials. *National Institute of Industrial Engineering (NITIE)*, India, July 2016.
- Verma, M. and Siddiqui, A. A Portfolio Management Approach to Planning Crude Oil Tanker Fleet. *CORS/INFORMS Annual Meeting*, Montreal, Canada, 2015 (June).
- Verma, M, Gendreau, M and Laporte, G. Optimal location and capability of oil-spill response facilities for the south coast of Newfoundland, *CORS Annual Conference*, Ottawa, Canada, 2014 (May).
- Verma, M, Verter, V and Zufferey, N. A Bi-Objective Model for Rail-Truck Intermodal Transportation of Hazardous Materials. *CORS Annual Conference*, St. John's, Canada, 2011 (May).
- Verma, M, Verter, V and Zufferey, N. Intermodal Transportation of Hazmats. *Workshop on Transportation of Hazardous Materials in Urban Areas*, Montreal, Canada, 2010 (March).
- Verma, M, Verter, V and Gendreau, M. A Tactical Planning Model for Railroad Transportation of Dangerous Goods. *Indian Institute of Technology, Patna, India*, 2010 (February).
- Verma, M. A Cost and Expected Consequence Approach to Planning and Managing Railroad Transportation of Hazardous Materials. *CORS Annual Conference*, Toronto, Canada, 2009 (June).
- Verma, M. Rail Transportation of Hazardous Materials: A Conditional Population Exposure Approach. *CORS Annual Conference*, Toronto, Canada, 2009 (June).
- Verma, M. and Verter, V. Rail-Truck Intermodal Transportation of Hazardous Materials. *Lean Logistics Summit* (February), Guadalajara, Mexico, 2009 (February).
- Verma, M. and Verter, V. A Lead-Time based Approach for Planning Rail-Truck Intermodal Transportation of Dangerous Goods.
 - *CORS Annual Conference*, Quebec City, Canada, 2008 (May).
 - *INFORMS Annual General Meeting*, Seattle, USA, 2007 (November).
- Verma, M. and Verter, V. Optimization Models for the Rail-Truck Intermodal Transportation of Dangerous Goods.
 - *CORS Annual Conference*, Montreal, Canada, 2006 (May).
 - *INFORMS Annual General Meeting*, San Francisco, USA, 2005 (November)
- Verma, M. and Verter, V. Truck and Railroad Transportation of Dangerous Goods. *Dangerous Goods Division-Transport Canada*, Ottawa, Canada, 2005 (November).
- Verma, M, Verter, V and Gendreau, M. Railroad Transportation of Hazardous and Regular Freight: Model, Computational Results and Numerical Insights.
 - *CORS Annual Conference*, Halifax, Canada, 2005 (May).
 - *CORS/INFORMS Joint International Meeting*, Banff, Canada, 2004 (May).
- Verma, M. and Verter, V. A Risk Assessment Framework for Rail Transport of Dangerous Goods.
 - *INFORMS Annual General Meeting*, Atlanta, USA, 2003 (October).
 - *Ministère de la Sécurité Publique*. Montréal, Canada, 2003 (April).

Contributed

Peer reviewed

- Verma, M., Sarhadi, H. and Tulett, DM. An analytical methodology to the optimal fortification of a rail intermodal terminal network. *49th Annual Meeting of the Decision Sciences Institute*, Chicago, United States, 2018 (November).
- Verma, M. and Vaezi, A. An investment framework to mitigating risk from railroad transportation of hazardous materials. *51st Annual Convention of ORSI & International Conference*, Mumbai, India, 2018 (December).
- Verma, M., Sarhadi, H. and Tulett, DM. An analytical methodology to the optimal fortification of a rail intermodal terminal network. *51st Annual Convention of ORSI & International Conference*, Mumbai, India, 2018 (December).
- Verma, M., Rafiei, R. and Huang, K. An analytical approach to cash versus in-kind transfer in humanitarian logistics. *XXII Annual Conference of the Society of Operations Management*, Kozhikode, India (December).

- Verma, M., Jabberzadeh, A. and Azad, N. Planning railroad transportation of dangerous goods in the presence of disruption. *XXII Annual Conference of the Society of Operations Management*, Kozhikode, India (December).
- Verma, M. and Vaezi A. Emergency response network design for rail hazmat shipments. *12th Annual ISDSI Conference*, Mumbai, India (December).
- Verma, M. and Hosseini, D. A conditional value-at-risk approach to routing rail hazmat shipments with risk-equity. *12th Annual ISDSI Conference*, Mumbai, India (December).
- Verma, M. and Hosseini, S. Davod. A CVaR approach to optimal train configuration and routing of rail hazmat shipments. *INFORMS – TSL: 1st Triennial Conference*, Chicago, United States, 2017 (July).
- Verma, M. Railroad transportation of hazardous materials: Risk Assessment & Management. *Rail Safety & Reliability –A Global Perspective*, Mumbai, India, 2016 (June).
- Verma, M. and Siddiqui, A. A CVaR approach to planning crude oil tanker fleet. *Manufacturing & Service Operations Management Conference*, Toronto, Canada, 2015 (June).
- Verma, M. and Siddiqui, A. A Risk-Cost Approach to Routing & Scheduling Crude Oil Tankers. *IEE Annual Conference and Expo*, Montreal, Canada, 2014 (June)
- Verma, M, Assadipour, G and Ke, GY. A metaheuristic approach to the maritime terminal crane scheduling problem. *IEE Annual Conference and Expo*, Montreal, Canada, 2014 (June).
- Verma, M. A Gaussian plume-based population exposure approach to railroad transportation of hazardous materials. *International Conference on Advances in Communication Network and Computing*, Chennai, India, 2013 (February).
- Verma, M, Verter, V and Zufferey, N. A Meta-Heuristic Approach to Rail-Truck Intermodal Transportation of Hazardous Materials. *International Conference on Advances in Communication Network and Computing*, Chennai, India, 2013 (February).
- Verma, M. and Siddiqui, A. Maritime crude oil delivery scheduling. *International Conference on Reliability, Infocom Technologies and Optimization*, New Delhi, India, 2013 (January).
- Verma, M. An Expected Consequence Approach to Railroad Transportation of Hazardous Materials. *International Conference on Reliability, Infocom Technologies and Optimization*, New Delhi, India, 2013 (January).
- Verma, M. A penalty cost approach to intermodal transportation of heterogeneous freight with specified delivery times. *9th AIMS International Conference on Management*, Pune, India, 2012 (January).
- Verma, M. and Siddiqui, A. An Expected Consequence Approach to Intercontinental Transportation of Crude Oil. *9th AIMS International Conference on Management*, Pune, India, 2012 (January).
- Verma, M. and Siddiqui, A. An Analytical Approach to Maritime Crude Oil Transportation. *1st Conference of Transportation Research Group of India*, Bangalore, India, 2011 (December).
- Verma, M, Verter, V and Zufferey, N. A population exposure approach to planning intermodal transportation of hazardous materials *XV Annual International Conference of Society of Operations Management* (December), Kolkata, India, 2011 (December).
- Verma, M, Verter, V and Gendreau, M. A Population Exposure Approach to Planning and Managing Railroad Transportation of Dangerous Goods. *3rd International Conference on Global Interdependence and Decision Sciences*, Hyderabad, India, 2009 (December).
- Verma, M. Rail Transportation of Hazardous Materials: A Conditional Population Exposure Approach. *7th AIMS International Conference on Management*, Bangalore, India, 2009 (December).
- Verma, M. Planning and Managing Railroad Transportation of Dangerous Goods. *7th AIMS International Conference on Management*, Bangalore, India, 2009 (December).
- Verma, M. and Verter, V. Rail-Truck Intermodal Transportation of Hazardous Materials. *NATO Advanced Research Workshop: Security and Environmental Sustainability of Multimodal Transport*, London, UK, 2009 (January).
- Verma, M. and Verter, V. A Bi-Objective Model for Rail-Truck Intermodal Transportation of Hazardous Materials. *Administrative Sciences Association of Canada Annual Conference*, Halifax, Canada, 2008 (May).
- Verma, M, Verter, V and Gendreau, M. A Bi-Objective Model for Railroad Transportation of Hazardous Materials. *11th World Congress on Transport Research*, Berkeley, USA, 2007 (June).

- Verma, M. and Verter, V. A Lead-Time based Approach for Planning Rail-Truck Intermodal Transportation of Dangerous Goods. *4th AIMS International Conference on Management*, Indore, India, 2006 (December).
- Verma, M. and Verter, V. Intermodal Transportation of Dangerous Goods. *36th Atlantic School of Business Conference*, Sackville, Canada, 2006 (September).
- Verma, M. and Verter, V. An Enumerative Approach to Rail-Truck Intermodal Transportation of Mixed Freight. *International Operations Research Conference*, Bremen, Germany, 2005 (September).
- Verma, M. and Verter, V. Risk Assessment of Ultramar Unit-Train carrying finished petroleum products. *McGill Symposium on Environmental Research*, Montreal, Canada, 2003 (May)

Administrative Responsibilities:

Department

07/2020-present	Chair, Operations Management (OM) Area
07/2020-present	Member, OM Area CPM Committee
07/2020-present	Member, OM Area Tenure & Promotions Committee
07/2014-present	Member, Management Science PhD Examination Committee

School

07/2020-present	Member, Dean's Advisory Council
07/2020-present	Member, Master of Finance Academic Program Committee
07/2019-present	Member, Arts Research Board
07/2019-present	Member, Business Graduate Curriculum Program Committee
07/2019-06/2020	Member, Research and Awards Committee
07/2016-06/2018	Member, Faculty Tenure & Promotions Committee
07/2016-06/2018	Member, MBA Program Development Committee
07/2016-06/2018	Member, Business Graduate Curriculum Program Committee
01/2016-07/2016	Member, MBA Curriculum Redesign Committee
07/2015-06/2018	School Representative, University Graduate Council
07/2015-06/2016	School Representative, Faculty of Social Sciences
07/2015-06/2016	Member, Engineering & Management Operating Committee
07/2013-06/2016	Member, UG Curriculum & Policy Committee

Other Responsibilities & Services:

2020-2021	Co-Chair, Transportation & Logistics Cluster, CORS Conference
2019-2020	Member, McMaster University Children's Center Board of Directors
2019	Chair, Transportation & Logistics Cluster, CORS Conference
2015	Session Chair, Transportation Issues, CORS/INFORMS Joint Meeting
2014	Session Chair, Logistics & Intermodal Transportation, CORS Meeting
2014-2016	Councilor, Canadian Operational Research Society
2011	Program Chair, CORS Annual Conference
2006-2010	Director, Greening the Supply Chain -NAFTA Student Mobility Project
2006-2009	Chair, CORS Student Paper Competitions
2008-2009	Chair, Management Science/Operations Management Division of Atlantic Schools of Business Conference
2009	Session Chair, 7 th Association of Indian Management Scholars Conference
2006-2008	Session Chair, Freight Transportation, CORS and INFORMS Meetings
2004	Session Chair, Hazmat Transportation, CORS/INFORMS Joint Meeting
2004-2006	Member, Doctoral Student Affairs Committee, Decision Sciences Institute