

**ANAND NAIR**

**Eli Broad Endowed Professor**

Department of Supply Chain Management  
Broad College of Business  
Michigan State University  
632 Bogue Street, N359  
East Lansing, MI 48824  
Ph.: 803-629-0314  
e-mail: [nair@broad.msu.edu](mailto:nair@broad.msu.edu)

**POSITIONS HELD**

August 2020- Present	<b>Eli Broad Endowed Professor</b> , Department of Supply Chain Management, Broad College of Business, Michigan State University, USA.
August 2016 - Present	<b>Professor</b> , Department of Supply Chain Management, Broad College of Business, Michigan State University, USA.
January 2021 – May 2021	<b>Director</b> , MS in Supply Chain Project Management Initiative, Department of Supply Chain Management, Broad College of Business, Michigan State University, USA.
January 2017 – May 2020	<b>Director</b> , Operations and Sourcing Ph.D, Program, Department of Supply Chain Management, Broad College of Business, Michigan State University, USA.
May 2018 – August 2018	<b>Fulbright-Aalto University Distinguished Chair</b> , Aalto University, Finland
August 2015 – July 2018	<b>Director</b> , Broad Intercollegiate Collaboration Initiative, Broad College of Business, Michigan State University, USA.
August 2012 – June 2016	<b>Associate Professor</b> , Department of Supply Chain Management, Broad College of Business, Michigan State University, USA.
August 2010 – August 2012	<b>Moore Research Fellow</b> , Moore School of Business, University of South Carolina, USA
August 2010 – August 2012	<b>Associate Professor</b> , Moore School of Business, University of South Carolina, USA
August 2006 –	<b>Assistant Professor</b> , Moore School of Business, University of South

July 2010	Carolina, USA
August 2003 – July 2006	<b>Assistant Professor</b> , College of Business, Auburn University, USA
August 2000 – May 2003	<b>Research and Teaching Assistant</b> , Department of Supply Chain Management, Broad College of Business, Michigan State University, USA.
May 1999– June 2000	<b>Manager</b> , Intelligroup Inc. (NTT Data Corporation, Japan), Mumbai, India
January 1998 – March 1999	<b>Enterprise Applications Consultant</b> , Mafatlal Consultancy Services Ltd., Mumbai, India
July 1997 – Dec 1997	<b>Systems Integration Executive</b> , CMC Ltd. (a subsidiary of TCS), Mumbai, India

### VISITING POSITIONS

July 2019 – August 2019	<b>Visiting Research Scholar</b> , Faculty of Business and Economics, University of Melbourne
May 2018 – July 2018	<b>Fulbright University Distinguished Chair</b> , Aalto University, Finland
July 2017 – August 2017	<b>Visiting Research Scholar</b> , Faculty of Business and Economics, University of Melbourne
August 2014	<b>Visiting Research Scholar</b> , Faculty of Business and Economics, University of Melbourne
June 2014 – July 2014	<b>Visiting Professor</b> , Lee Kong Chian School of Business, Singapore Management University, Singapore
June 2013 – July 2013	<b>Visiting Professor</b> , Lee Kong Chian School of Business, Singapore Management University, Singapore

### AWARDS AND HONORS

2021	<b>Instructor of Excellence, Full-time MBA program</b>
2020 -	<b>Eli Broad Endowed Professor</b> , Michigan State University
2017-2018	<b>Fulbright-Aalto University Distinguished Chair</b>
2017	Chair of the dissertation that won the <b>Elwood S. Buffa Doctoral Dissertation Award</b> , Decision Sciences Institute
2015	Institute for Supply Management (ISM) <b>Best Paper Award</b> – Finalist and Honorable Mention

2015 - 2019	Special Issue <b>Co-Editor</b> (with Felix Reed-Tsochas, University of Oxford), <i>Journal of Operations Management</i> Special Issue, “A Complex Adaptive Systems Paradigm for Operations & Supply Chain Issues.”
2013	<b>Best Associate Editor Award</b> , <i>Journal of Operations Management</i>
2010 - 2012	<b>Moore Research Fellow</b>
2008	<b>Certified Fellow of Production and Inventory Management</b> , APICS.
2008	<b>Academic Leader</b> , Tec de Monterrey, Mexico
2006	<b>New Professor of the Year</b> , University of South Carolina Beta Gamma Chapter of Delta Sigma Pi
2005	<b>Certified Quality Engineer</b> , American Society of Quality
2004	<b>Elwood S. Buffa Doctoral Dissertation Award</b> , Decision Sciences Institute
2004	<b>Distinguished Paper Award</b> , Quality and Productivity track, Decision Sciences Institute
2001	<b>Best Student Paper Award</b> (second prize), Midwest Decision Sciences Institute

### INVITED PRESENTATIONS

2019	Faculty of Business and Economics, University of Melbourne, Australia
2019	Indian Institute of Management, Calcutta
2018	China Europe International Business School, Shanghai, China
2018	South China University of Technology, Guangzhou, China
2018	MAHRMM (Michigan Association of Healthcare Resource and Materials Management), USA (with Claudia Rosales)
2018	Santa Fe Institute, New Mexico, USA
2015	Indian School of Business, Hyderabad, India
2015	MAHRMM (Michigan Association of Healthcare Resource and Materials Management), USA (with David Dreyfus)
2015	New England Complex Systems Institute, MIT, USA
2015	Husky Energy (Executive presentation on materials management for oil and gas industry), USA
2015	Carlson School of Management, University of Minnesota, USA
2014	Faculty of Business and Economics, University of Melbourne, Australia
2013	Lee Kong Chian School of Business, Singapore Management University, Singapore
2011	Broad College of Business, Michigan State University, USA
2010	Smeal College of Business, Pennsylvania State University, USA
2009	W.P. Carey School of Business, Arizona State University, USA
2007	W.P. Carey School of Business, Arizona State University, USA
2006	Moore School of Business, University of South Carolina, USA
2005	Wolfram Research, Brown University, USA

2003	Mays Business School, Texas A&M University, USA
2003	College of Business, Cleveland State University, USA
2003	College of Business, Auburn University, USA

## EDUCATION

**Ph.D.** Michigan State University, USA.

## RESEARCH INTEREST

In my research, I investigate ways in which firms, teams, and individuals learn, adapt, and organize to manage processes, supply, technology, and innovation in the face of complexity. I examine how associated factors and management practices translate into cost, quality, delivery, flexibility, innovation, sustainability, and business performance.

## RESEARCH CONTRIBUTION

### Publication in journals

1. Heim, G., **Nair, A.**, Bendoly, E. 2021. Aims and criteria for advancing technology management research. *Journal of Operations Management*. Vol. 67, Iss. 8, 920-925.
2. Prajogo, D., **Nair, A.**, Castka, P. 2021. The effects of external auditors and certification bodies on the operational and market oriented outcomes of ISO 9001 implementation. *IEEE Transactions on Engineering Management*. (Forthcoming).
3. **Nair, A.**, Singh, P., Bhattacharya, A., Pal, S. 2021. Withstanding the Economic Recession: Examining the efficacy of Manufacturing Strategy Alignment and Process Integration. *International Journal of Production Economics*, 231, p.107810.
4. Prajogo, D., Chowdhary, M., **Nair, A.**, Cheng, E. 2020. Mitigating the Performance Implications of Buyer's Dependence on Supplier: The Role of Absorptive Capacity and Long-term Relationship. *Supply Chain Management – An International Management*, Volume 25, No. 6, 693–707
5. Ataseven, C., **Nair, A.**, and Ferguson, M. 2020. Examining the role of supply chain integration in strengthening the performance of not-for-profit organizations: Evidence from the Food Banking Industry. *Journal of Humanitarian Logistics and Supply Chain Management*. Vol. 10 No. 2, pp. 101-123
6. Li, M., Wu, Y., He, Y., Huang, S. and **Nair, A.**, 2020. Sparse inverse covariance estimation: a data mining technique to unravel holistic patterns among business practices in firms. *Decision Sciences*, 51(4), pp.1046-1073.
7. Dreyfus, D., **Nair, A.**, Talluri, S. 2020. Chain The Impact of Chain Organization Size on Efficiency and Quality of Affiliated Facilities – Implications for Multi-Unit Organizational Forms. *Production and Operations Management*, 29(7), 1605-1623.
8. Dreyfus, D., **Nair, A.**, Rosales, C. 2020. The Impact of Planning & Communication on Unplanned Costs in Surgical Episodes of Care: Implications for Reducing Waste in Hospital Operating Rooms. *Journal of Operations Management*, 66(1-2), 91-111.

9. **Nair, A.**, Reed-Tsochas, F. 2019. Revisiting the complex adaptive systems paradigm: Leading perspectives for researching operations and supply chain management issues. *Journal of Operations Management*, 65(2), 80-92.
10. Ataseven, C., **Nair, A.**, and Ferguson, M. 2018. -An examination of the relationship between Intellectual Capital and Supply Chain Integration in Humanitarian Aid Organizations: A Survey-based Investigation of Food Banks. *Decision Sciences*, 49(5), 827-862.
11. Giannoccaro, I., **Nair, A.**, Choi, T. 2018. The impact of control and complexity on supply network performance: An empirically informed investigation using NK simulation analysis. *Decision Sciences*, 49(4), 625-659.
12. **Nair, A.**, Blome, C., Choi, T., Lee, Conner. 2018. Re-visiting collaborative behavior in supply networks – Structural embeddedness and the influence of contextual changes and sanction. *Journal of Purchasing and Supply Management*, 24, 135-150.
13. Prajogo, D., Mena, C., **Nair, A.** 2018. The fit between supply chain strategies and practices: A contingency approach and comparative analysis. *IEEE Transactions on Engineering Management*, 65(1), 168-180.
14. **Nair, A.**, Nicolae, M., Dreyfus, D. 2018. Differential Impact of Network Size on Cost Performance for High and Low Quality Hospitals: The Moderating Role of Hospital Demand. *International Journal of Operations and Production Management*, 38(1), 109-128.
15. **Nair, A.**, Dreyfus, D. 2018. Technology alignment in the presence of regulatory changes: The case of meaningful use of information technology in healthcare. *International Journal of Medical Informatics*, 110, 42-51.
16. Kalaignanam, K., Kushwaha, T. and **Nair, A.**, 2017. The Product Quality Impact of Aligning Buyer-Supplier Network Structure and Product Architecture: an Empirical Investigation in the Automobile Industry. *Customer Needs and Solutions*, pp.1-17.
17. Ataseven, C. and Nair, A., 2017. Assessment of supply chain integration and performance relationships: A meta-analytic investigation of the literature. *International Journal of Production Economics*, 185, pp.252-265.
18. Yan, T., **Nair, A.** 2016. Structuring supplier involvement in new product development: A China-US study. *Decision Sciences*, 47(4), 589-627.
19. **Nair, A.**, Ataseven, C., Habermann, M., Dreyfus, D. 2016 Toward a Continuum of Measurement Scales in Just-In-Time (JIT) Research – An Examination of the Predictive Validity of Single-Item and Multiple-Item Measures. *Operations Management Research*, 9(1-2), pp.35-48.
20. Giannoccaro, I., **Nair, A.** 2016. Examining the roles of product complexity and managerial behavior on product design decisions: An agent-based study using NK simulation. *IEEE Transactions on Engineering Management*, 63(2), 237 – 247.
21. **Nair, A.**, Yan, T., Ro, Y. K., Oke, A., Chiles, T. H., Lee, S-Y. 2016. How Environmental Innovations Emerge and Proliferate in Supply Networks: A Complex Adaptive Systems Perspective. *Journal of Supply Chain Management*, 52(2), 66-86.
22. **Nair, A.**, Jayaram, J, and Das, A. 2015. Strategic Purchasing Participation, Supplier Selection, Supplier Evaluation and Purchasing Performance. *International Journal of Production Research*. 53(20), 6263-6278.

23. Narasimhan, R., **Nair, A.** 2015. Towards a Theory-Driven Research Agenda in Six Sigma Quality Innovation: Linking Research Opportunities with Organization Theory Typology. *International Journal of Quality Innovation*, 1(1), 1-25.
24. Ataseven, C., Prajogo, D., **Nair, A.** 2014. ISO 9000 Internalization and Organizational Commitment - Implications for Process Improvement and Operational Performance. *IEEE Transactions on Engineering Management*, 61(1), 5-17.
25. **Nair, A.**, Nicolae, M., Narasimhan, R. 2013. Examining the impact of clinical quality and clinical flexibility on cardiology unit performance - Does experiential quality act as a specialized complementary asset? *Journal of Operations Management*, 31(7-8), 505-522.
26. **Nair, A.**, Ataseven, C., and Swamidass, P. 2013. An examination of the use of manufacturing technologies and performance implications in US plants with different export intensities. *International Journal of Production Research*, 51(11), 3283-3299.
27. Boone, C., Craighead, C., Hanna, J., and **Nair, A.** 2013. Implementation of a System Approach for Enhanced Supply Chain Continuity and Resiliency: A Longitudinal Study. *Journal of Business Logistics*, 34(3), 220-232.
28. **Nair, A.**, Malhotra, M., Ahire, S. 2011. Toward a theory of managing context in Six Sigma projects: An Action Research Investigation,” *Journal of Operations Management*, Special Issue: “Field Research in Operations and Supply Chain Management,” 29(5), 529-548.
29. **Nair, A.**, Narasimhan, R., Bendoly, E. 2011. Co-opetitive Buyer-Supplier Relationship: An Investigation of Bargaining Power, Relational Context, and Investment Strategies. *Decision Sciences*, 42(1), 93-127.
30. **Nair, A.** and Vidal, J. M. 2011. Supply Network Topology and Robustness against Disruptions: An investigation using Multiagent Model. *International Journal of Production Research*, Special Issue: “Multi-agent and Holonic Techniques for Manufacturing Systems: Technologies and Applications,” 49(5), 1391-1404.
31. Garcia, R., **Nair, A.**, Rummel, P. 2011. Specialization in exploration and exploitation: A systems approach. *International Journal of Business and Systems Research*, 5(1), 1-21.
32. Das, A. and **Nair, A.** 2010. The use of manufacturing technologies - An external influence perspective. *International Journal of Production Research*, 48(17), 4977-5006.
33. Mackelprang, A. and **Nair, A.** 2010. Relationship between Just-in-Time Manufacturing Practices and Performance: A Meta-Analytic Investigation. *Journal of Operations Management*, 28, 283-302.
34. **Nair, A.**, Jones-Farmer, A. and Swamidass, P. 2010. Modeling the reciprocal and longitudinal effect of Return on Sales and R&D intensity during economic cycles: 1997-2003 emerges as an R&D-propelled cycle. *International Journal of Technology Management*, (Special Issue on Technology Policy vs. Industrial Policy: A Comparison of Overlapping and Competing Approaches to R&D), 49(1/2/3), 2-24.
35. **Nair, A.**, Narasimhan, R., Choi, T. 2009. Supply Networks as a Complex Adaptive System: Toward Simulation-Based Theory Building on Evolutionary Decision Making. *Decision Sciences*, 40(4), 783-815.
36. Narasimhan, R., **Nair, A.**, Griffith, D., Arlbjørn, J., Bendoly, E. 2009. Lock-in situations in supply chains: Social exchange theoretic study of sourcing arrangements in power-based buyer-supplier relationship. *Journal of Operations Management*, Vol. 27, No. 5, 374-389.

37. **Nair, A.** and Prajogo, D. 2009. Internalization of ISO 9000 Standards: The Antecedent Role of Functionalist and Institutional Drivers and Performance Implications. *International Journal of Production Research*, Vol. 41, No. 16, 4545-4568.
38. **Nair, A.** and Boulton, W. R. 2008. Innovation Oriented Operations Strategy Typology and Stage-based Model. *International Journal of Operations & Production Management*, Vol. 28, Iss. 8, 748-771.
39. Pathak, S., Day, J. M., **Nair, A.**, Sawaya, W., and Kristal, M. 2007. Complexity and Adaptivity in Supply Networks: Building Supply Network Theory Using a Complex Adaptive Systems Perspective. *Decision Sciences*, Vol. 38, Iss. 4., 547-580.
40. **Nair, A.**, Hanvanich, S. and Cavusgil, T. 2007. "An exploration of the patterns underlying related and unrelated collaborative ventures using neural network: Empirical investigation of collaborative venture formation in data spanning 1985-2001," *International Business Review*, Vol. 16, Iss. 6, 659-686.
41. **Nair, A.** and Swink, M. 2007. "Linking internal process technology development and the use of AMT with manufacturing plant capabilities – An examination of complementarities and redundancies," *IEEE Transactions on Engineering Management*, Vol. 54, Iss. 4, 742-755.
42. **Nair, A.**, Sankar, C. S., Bliedung, N., and Raju, P. K. 2007. New product development at Yuquiyu Motors: design and development of Y11 engine. *International Journal of Information and Operations Management Education*, 2(1), 58-72.
43. Swink, M. and **Nair, A.** 2007. "Capturing the competitive advantage of AMT: Design-Manufacturing integration as a complementary asset," *Journal of Operations Management*, Vol. 25 (3): 736-754.
44. **Nair, A.** 2006. "Meta-Analysis of the Relationship between Quality Management Practices and Firm Performance – Implications for Quality Management Theory Development," *Journal of Operations Management*, 24, 948-975.
45. **Nair, A.** and Narasimhan, R. 2006. "Competing with Quality and Advertising Based Goodwill," *European Journal of Operational Research*, 175(1), 462-474.
46. **Nair, A.** and Closs, D. 2006. "An examination of the impact of coordinating supply chain policies and price markdowns on short lifecycle product retail performance," *International Journal of Production Economics*, 102(2): pp. 379-392.
47. Talluri, S., Narasimhan R. and **Nair A.** 2005. "Vendor evaluation with supply risk: A chance-constrained DEA model," *International Journal of Production Economics*, Vol. 100, No. 2: pp. 212-222.
48. Narasimhan R. and **Nair A.** 2005. "The Antecedent Role of Quality, Information Sharing and Supply Chain Proximity on Strategic Alliance Formation and Performance," *International Journal of Production Economics*, Vol. 96, No. 3: pp. 301-313.
49. **Nair A.** 2005. "Linking manufacturing postponement, centralized distribution and value chain flexibility with supply chain performance," *International Journal of Production Research*, Vol. 43, No. 3: pp. 447-463.
50. **Nair A.** 2005. "Emerging Internet-Enabled Mechanisms in Supply Chain," *Supply Chain Management: An International Journal*, Vol. 10, No. 3/4: pp. 162-168.
51. Sankar, C. S., Raju, P.K. and **Nair, A.**, Patton, D., and Bliedung, N. 2005. "Enterprise Information Systems and Engineering Design at Briggs and Stratton: K11 Engine Development," *Journal of Information Technology Cases and Applications*, Vol. 7, No. 5: pp. 21-40.

52. Closs, D., Swink, M. and **Nair, A.** 2005. "The Role of Information Connectivity in Making Flexible Logistics Programs Successful," *International Journal of Physical Distribution and Logistics Management*, Vol. 35, No. 4: pp. 258-277.
53. Swamidass P. and **Nair A.** 2004. "What Top Management Thinks about the Benefits of Hard and Soft Manufacturing Technologies," *IEEE Transactions on Engineering Management*, Vol. 51, No. 4: pp. 462 – 471.

### **Book chapters**

1. Handfield, R., **Nair, A.** 2020. Protecting Brand Value through Anticounterfeiting Supply Chain Strategies. Chapter in *The Oxford Handbook of Supply Chain Management* Edited by Thomas Y. Choi, Julie Juan Li, Dale S. Rogers, Tobias Schoenherr, and Stephan M. Wagner. Online Publication Date: Sep 2020 DOI: 10.1093/oxfordhb/9780190066727.013.12

### **INDUSTRY SPONSORED RESEARCH**

- "Examining the 'Inventory Not Found' issue," with Target Corporation (January 2019 – June 2019).
- "Counterfeiting in the Supply Chain: Identification, Containment & Prevention by Adopting a Multi-Pronged Approach," with the Center for Advanced Procurement Strategy (CAPS), the leading B2B nonprofit research center serving supply management leaders at Fortune 600 and Global 1000 member companies. (2017-2019)
- "Healthcare operations and supply chain management", with Oakwood Healthcare (2012 - 2018)
- "Value stream mapping for quantifying the products that need to be stocked and the quantities to be stocked so as to reduce lead times while still meeting customer demand," with Asahi Kasei Plastics North America (2015)
- "Materials Management Issues in Supply Chain Management," Executive training for Husky Energy. (2015)
- "Collaborative Process Improvement & Product Development in Supply Chains," case studies with several organizations with (2007 – 2010)
- "Perpetual Inventory System," with Sanjay Ahire, group of MBA students and a core team from Eaton Corporation as a part of MBA student project (Fall 2008).
- "Supply Chain Dynamic Simulation: A Multi-Echelon, Multi-Product Supply Chain Simulation Project Using ARENA- A SIMAN Language Based Simulation Tool" with Dr. Donald Bowersox, Dr. David Closs and team. The participating organizations include: Hershey Foods Incorporated, IBM, Limited Logistics Services & Whirlpool Corporation. (Fall 2000 – Summer 2002)
- "Financial Implications Of Supply Chain Decisions -A Strategic Profit Model Based Analysis," with Dr.Bixby Cooper, Dr.Daniel Lynch and A.T.Kearney. (Spring 2002)
- "Evaluating Expediting, Replenishment and Markdown Strategies in Retail Operations," with Dr.David Closs and Dr.Bixby Cooper and Limited Logistics Services. (Summer 2002)

### **GRANTS AND FELLOWSHIPS**



Michigan State University

- NSF Grant Proposal for program solicitation NSF 21-582 (July 2021) (with Banzhaf, W. and Reid, K.) - Title of the proposal: “Metaheuristics and Machine Learning for Enhanced Fentanyl Supply Detection.” Funding request: **\$986,564– Under review**
- Grant proposal for the **MSU-SPG** (November 2020) (with Lajnef, N., Kodur, V. K. R., Boddeti, Y. V. N., Liu, J.) - Title of the proposal: “An Agent-based Simulation Model to Evaluate Incentive Structures and Policies to Ensure Effective Coordination Amongst Various Skill Teams.” Funding request: **\$196,383.68– Not funded**
- Grant proposal for the **Ford-MSU Innovation Alliance** (August 2019) - Title of the proposal: “An Agent-based Simulation Model to Evaluate Incentive Structures and Policies to Ensure Effective Coordination Amongst Various Skill Teams.” Funding request: **\$196,383.68– Not funded**
- Proposal for *Honors Research Seminar* (December 2018) - (Title of the proposal - Multidisciplinary Investigation of Complex Systems – Fundamental Topics and Simulation Based Explorations; Funding request: **\$2,850** for seminar expenses + **\$3,000** for faculty research allowance) - **Funded**
- Grant proposal for the **Ford-MSU Innovation Alliance** in collaboration with Professor Subir Biswas (May 2018) - Title of the proposal: “Improving Team Productivity via Understanding Team Dynamics during Kaizen Events and Identifying Factors that Contribute Towards Enhancing the Effectiveness of Lean Implementation.” Funding request: **\$100,000 – Not funded**
- NSF Grant Proposal for program solicitation NSF PD 17-1638 (September 2017) – (Title of the proposal: “Collaborative Proposal: Minimizing supply chain disruptions by resilient critical interdependent infrastructure and adaptive behavior of supply network agents.” Funding request: **\$500,000; MSU share: \$360,764) - Not funded**
- CAPS Research (April 2017) – (Title of the project: Creating a resilient supply chain to combat counterfeiting activities: Identification, Containment, and Preventive Approaches) - **\$43,000 - Funded**
- Fulbright-Aalto University Distinguished Chair Grant (2017 – 2018) - **Funded**
- Broad College Summer Grant (March 2015) for supporting doctoral student dissertation data collection and joint research - (Title of the proposal: Examining the antecedents and contextual factors impacting interruptions in the healthcare setting – Implications for mitigating supply and service disruptions) - **\$5,000 - Funded**
- Broad College Summer Grant (March 2015) - Submitted jointly with Claudia Rosales: (Title of the proposal: How Should Hospitals Manage Physician Preferred vs. General Medical Supplies To Reduce Spending and Improving the Quality of Healthcare?) - **\$20,000 - Funded**
- Oakwood Health System (April 2014) - **\$4,000** For supporting a doctoral student for collecting data regarding waste in the operating room. - **Funded**
- Retail Industry Leaders Association (January 2014) – (Title of the proposal: Aligning Technology Adoption and Use by Retail Associates and Retail Customers – Implications for Developing a Winning Retail Strategy; Funding request: **\$57,500) – Not funded**

- SAP North Americas (March 2013) – (Title of the proposal: Aligning Technology Adoption and Use by Retail Associates and Retail Customers – Implications for Developing a Winning Retail Strategy; Funding request: **\$15,500**) - **Not Funded**
- NSF Grant Proposal for program solicitation PD 11-8031 – *Science of Organizations* (February 2013) - (Title of the proposal: Collaborative Innovation in Supply Networks; Funding request: **\$390,591**) – **Not funded**
- Frederick and Barbara Malpass Faculty Excellence Fund Research Grant (Summer 2013) – (Title of the proposal: Taxonomy of Healthcare Quality: An Examination of Distinguishing Characteristics and Association of Healthcare Quality with Performance; Funding request: **\$17,000**) - **Funded**
- Proposal for *Honors Research Seminar* (November 2012) - (Title of the proposal - Investigating Key Determinants of Holistic Healthcare Quality – Implications for Management & Policy-Making; Funding request: **\$3,000** for seminar expenses + **\$3,000** for faculty research allowance) - **Funded**
- Proposal for *Strategic Partnership Grants (SPG) research and scholarship program* (September 2012) - (Title of the proposal - Taxonomy of Healthcare Quality: An Examination of Distinguishing Characteristics and Association of Healthcare Quality with Performance; Funding request: **\$230,000**) – **Not funded**

#### University of South Carolina

- Innovation Grant by Instructional and Program Innovation Committee (December 2011): **\$21,000** for leading the SAP initiative at the Moore School of Business (with Bikram Ghosh and Mark Cecchini) - **Funded**
- Magellan Scholar Program (December 2011): **\$2,000** for the research project entitled, “Baada ya dhiki faraja (After Hardship Comes Relief): Examining Opportunities for Integrating VillageReachs Mozambican Healthcare Delivery Model with the Ministry of Health and Social Welfares Integrated Logistics System in the United Republic of Tanzania” (with Ms. Elizabeth Wilson) - **Funded**
- NSF Grant Proposal for program solicitation NSF 10-583 - *Interface between Computer Science and Economics & Social Science (ICES)* (October 2010) (with Professor Jose Vidal, Department of Computer Science, University of South Carolina) - (Title of the proposal: Detection and Elimination of Systemic Risk in Supply Chains; Funding request: **\$395,554**) – **Not funded**
- Moore Research Fellow, Moore School of Business, University of South Carolina: \$10,000 each year for four years amounting to **\$40,000** (Joined the Broad College of Business, Michigan State University in 2012; hence, the fellowship was in effect from 2010 – 2012)
- CIBER Grant: **\$4000** for Mercosur Profession Development in International Business (PDIB) program (May 2011) -
- CIBER Grant: **\$3,500** for European Economies in Transition Faculty Development in International Business (FDIB) program (May 2010)
- Moore School Research Grant Program & Center for Global Supply Chain & Process Management (CGSCPM) (October 2008) Grant: **\$5,000**
- Academic Leader program grant by Tec de Monterrey, Mexico (October 2008): **\$1,000**

- Center for International Business Education and Research (CIBER) Grant: (October 2008) **\$2,000**
- Center for International Business Education and Research (CIBER) Grant (October 2007): **\$3,000**
- Center for International Business Education and Research (CIBER) Grant (October 2006): **\$3,500**

### **Conference Proceedings, Presentations, Workshop Participation, Panel Discussions, Editorial Notes & Book Reviews**

- “Integration in humanitarian supply chains” (with Cigdem Ataseven and Mark Ferguson), **2019 Decision Sciences Institute’s Annual Meeting**, November 2019, New Orleans, LA
- “Managing Medical Supplies – A Critical Examination of In-Stock vs Consignment Stock Policies” (with Claudia Rosales and Sukrit Pal), **2019 POMS Conference**, May 2019, Washington DC.
- “Do Team Member Communication and Project Manager’s Network Embeddedness Complement in Aiding Technical Issue Resolution?” (with Sukrit Pal), **2019 POMS Conference**, May 2019, Washington DC.
- “Impact of Geographical Proximity of a Hospital Within a Healthcare Network on its Cost Performance” (with Ashok Balakrishnan), **2019 POMS Conference**, May 2019, Washington DC.
- “Communities of practice in surgical care: Implications for waste reduction and improving patient outcome,” **Invited Presentation at the South China University of Technology**, December 2018, Guangzhou, China
- “Examination of issues related to learning, adaptation, self-organization, complexity and networks within organizational context – An overview of the research agenda,” **Invited Presentation at the China Europe International Business School**, December 2018, Shanghai, China
- “Examining the effect of project modularity on the relationship between project member attributes and development project performance” (with Sukrit Pal), **2018 Decision Sciences Institute’s Annual Meeting**, November 2018, Chicago, IL
- “Examining the effect of project modularity on the relationship between project member attributes and development project performance” (with Sukrit Pal), **2018 Decision Sciences Institute’s Annual Meeting**, November 2018, Chicago, IL
- “Supply chain integration in humanitarian aid organizations” (with Cigdem Ataseven and Mark Ferguson), **2018 Decision Sciences Institute’s Annual Meeting**, November 2018, Chicago, IL
- “How Information Exchange and Risk Management Infrastructure Influence Hospitals Response to Disruptions” (with David Dreyfus), **2018 Decision Sciences Institute’s Annual Meeting**, November 2018, Chicago, IL
- “Satisfaction with ISO 9001 Certification and Decision for Re-certification” (with Daniel Prajogo and Carlos Mena), **2018 Decision Sciences Institute’s Annual Meeting**, November 2018, Chicago, IL

- “Chain Size’s Impact on Efficiency and Quality at Dialysis Facilities” (with David Dreyfus and Srinivas Talluri), **2018 Decision Sciences Institute’s Annual Meeting**, November 2018, Chicago, IL
- “Managing Inventories of Physician Preferred and General Medical Supplies: An examination of in-stock vs. consignment stock policies,” **Michigan Association of Healthcare Resource and Materials Management (MAHRMM) Fall 2018 Conference**, MAHRMM, East Lansing, MI, United States
- “Reducing Service Disruptions in Acute Episodes of Care,” (with David Dreyfus), **2018 POMS Annual Conference**, May 2018, Houston, TX, USA.
- Giannoccaro, I., Albino, V., Nair, A. 2018. Advances on the Resilience of Complex Networks. Complexity, Volume 2018.
- Panelist: Lean in Healthcare **2017 Decision Sciences Institute’s Annual Meeting**, November 2017, Washington, DC.
- “Managing Physician Preferred vs. General Medical Supplies,” (with Claudia Rosales), **2017 Decision Sciences Institute’s Annual Meeting**, November 2017, Washington, DC.
- “Disruptions in Healthcare: How Communication and Risk Management Infrastructure Help Limit Poor Outcomes,” (with David Dreyfus), **2017 Decision Sciences Institute’s Annual Meeting**, November 2017, Washington, DC.
- “Intellectual Capital in Humanitarian Organizations,” (with Cigdem Atasaeven and Mark Ferguson), **2017 Decision Sciences Institute’s Annual Meeting**, November 2017, Washington, DC.
- “Managing Physician Preferred vs. General Medical Supplies - The Use of Consignment Inventory,” (with Claudia Rosales), **2017 INFORMS Annual Conference**, October 2017, Houston, TX, USA.
- Ph.D. Seminar: Econometric and Agent-based Modeling Techniques. **University of Melbourne**, Melbourne, Australia, July 2014.
- “How Information Exchange and Risk Management Infrastructure Influence Hospitals Response to Disruptions,” (with David Dreyfus), **2017 POMS Annual Conference**, May 2017, Seattle, WA, USA.
- “Unanticipated Costs: Physician Preference Cards and Teamwork,” (with David Dreyfus and Claudia Rosales), **2017 POMS Annual Conference**, May 2017, Seattle, WA, USA.
- “Drivers of Supply Chain Integration in Humanitarian Organizations” (with Cigdem Ataseven and Mark Ferguson), **2016 Decision Sciences Institute’s Annual Meeting**, November 2016, Austin, TX.
- “Unplanned Costs: Physician Preference Cards” (with David Dreyfus and Claudia Rosales), **2016 Decision Sciences Institute’s Annual Meeting**, November 2016, Austin, TX.
- “Healthcare Quality and Network Affiliation,” (with Mariana Nicolae and David Dreyfus), **POMS 27<sup>th</sup> Annual Conference**, May 2016, Orlando, FL, USA.
- “Search Behavior in the Centralized and Decentralized Coordination Settings: An Examination of Antecedents,” (with Ilaria Giannoccaro), **POMS 27<sup>th</sup> Annual Conference**, May 2016, Orlando, FL, USA.
- “Intellectual Capital and Supply Chain Integration in Food Banks: Implications for Humanitarian Aid Organizations,” **ISB POMS Workshop 2015**, Hyderabad, India.

- “Reducing waste in the Operating Room,” (with David Dreyfus and Claudia Rosales), **2015 MAHRMM Fall Conference**, October 2015, Lansing, MI.
- “An ethnographic study of operating room waste,” (with David Dreyfus and Claudia Rosales), **2015 Decision Sciences Institute’s Annual Meeting**, November 2015, Seattle, WA.
- “Mitigating the effect of buyer’s dependence on supplier – The role of internal resource and external mechanism,” (with Mesbahuddin Chowdhury and Daniel Prajogo), **2015 Decision Sciences Institute’s Annual Meeting**, November 2015, Seattle, WA.
- “Antecedents of Supply Chain Integration in Humanitarian Relief Organizations,” (with Cigdem Ataseven and Mark Ferguson), **2015 Decision Sciences Institute’s Annual Meeting**, November 2015, Seattle, WA.
- “Control and Emergence in Supply Networks,” (with Ilaria Giannocaro and Thomas Choi), **2015 INFORMS Annual Meeting**, November 2015, Philadelphia, PA.
- Kalaignanam, K., Kushwaha, T. and Nair, A., 2015, January. Buyer-supplier network structure and product architecture. In *Academy of Management Proceedings* (Vol. 2015, No. 1, p. 13626). Academy of Management. *(This paper is recognized as **Honorable Mention** in the ISM Best Paper Session)*
- Managing Physician Preferred vs. General Medical Supplies: Reduce Costs and Improve Quality of Care (with Claudia Rosales). **2015 INFORMS Healthcare Conference**.
- “Planning, Implementation, and Use of Healthcare Information Technology,” (with David Dreyfus), **POMS 26<sup>th</sup> Annual Conference**, May 2015, Washington D.C., USA.
- “Intellectual Capital in Humanitarian Relief Organizations,” (with Cigdem Ataseven and Mark Ferguson), **POMS 26<sup>th</sup> Annual Conference**, May 2015, Washington D.C., USA.
- “An Empirical Investigation of Antecedents and Implications of Meaningful Use of Health Information Technology,” (with David Dreyfus), **8th ISDSI International Conference**, Jan 2015, Pune. India.
- “Waste within the operating room,” (with David Dreyfus and Claudia Rosales), **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL.
- “External and internal integration in not-for-profit sector,” (with Cigdem Ataseven and Mark Ferguson), **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL.
- “The effects of information systems and outsourcing strategies on hospital performance,” (with David Dreyfus), **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Session Chair)
- “Learning vs. Efficiency: A cross-country examination of buyer-supplier joint product development” (with Tingting Yan), **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL.
- Research Panel: From dyad to n-tier relationships – Multiple research avenues on researching supply networks, **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Panelist)
- Workshop: Publishing in Decision Sciences Journal. **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Workshop coordinator)
- Workshop: What’s trending - Cutting-edge research methods. **2014 Decision Sciences Institute’s Annual Meeting**, Nov 2014, Tampa. FL. (Workshop coordinator)

- Best paper award. **2014 Decision Sciences Institute's Annual Meeting**, Nov 2014, Tampa, FL. (Judge)
- Workshop: Panel data models. **University of Melbourne**, Melbourne, Australia, July 2014.
- "An Empirical Study on Food Bank Supply Chains," (with Cigdem Ataseven and Mark Ferguson), **25<sup>th</sup> Annual POMS Conference**, May 2014, Atlanta, GA.
- "The use of information technology in hospitals," (with David Dreyfus), **25<sup>th</sup> Annual POMS Conference**, May 2014, Atlanta, GA.
- "An Empirical Study on Food Bank Supply Chains," (with Cigdem Ataseven and Mark Ferguson), **2013 Decision Sciences Institute's Annual Meeting**, Nov 2013, Baltimore, MD.
- "Efficiency Analysis Determines Best Practices for Dialysis Departments," (with Srinivas Talluri and David Dreyfus), **2013 Decision Sciences Institute's Annual Meeting**, Nov 2013, Baltimore, MD.
- "Panel: University/industry partnership to address the growing talent problem" **ASUG Michigan Chapter Meeting**, Nov 2013, Lansing, MI (Panelist)
- "Trade liberalization, exports, and manufacturing technologies," (with Cigdem Ataseven and Paul Swamidass), **APICS – Association of Operations Management 2013**, September 29 – October 1, 2013, Orlando, FL.
- "Supply Network Structure and Product Recalls," (with Kartik Kalaighnam and Tarun Kushwaha), **24<sup>th</sup> Annual POMS Conference**, May 3 – 6, 2012, Denver, CO.
- "Efficiency Analysis of Dialysis Facilities: Identification of Best Practices," (with David Dreyfus and Srinivas Talluri), **24<sup>th</sup> Annual POMS Conference**, May 3 – 6, 2012, Denver, CO.
- "Supplier involvement in new product development: A China and US comparative study," (with Tingting Yan) **2012 Decision Sciences Institute's Annual Meeting**, 16-18 November, 2012, San Francisco, CA.
- "Efficiency Analysis of Dialysis Departments: Identification of Best Practices," (with David Dreyfus and Srinivas Talluri), **2012 Decision Sciences Institute's Annual Meeting**, 16-18 November, 2012, San Francisco, CA.
- "Supply Chain Integration in Humanitarian Aid Delivery to Underserved Communities," (with Cigdem Ataseven), **2012 Decision Sciences Institute's Annual Meeting**, 16-18 November, San Francisco, CA.
- "Building a successful research program," *Invited Presentation* at the **2011 Decision Sciences Institute's New Faculty Consortium**, 19 November, Boston, MA.
- "Taxonomy of Healthcare Quality," (with Mariana Nicolae), **2011 Decision Sciences Institute's Annual Meeting**, 19-22 November, Boston, MA.
- "An examination of the predictive validity of multiple-item and single-item measures in operations management research," (with Cigdem Ataseven and Marco Habermann), **2011 Decision Sciences Institute's Annual Meeting**, 19-22 November, Boston, MA.
- "Emerging Capabilities in Sustainable Supply Networks: A Process Theory," (with Todd H. Chiles, Adegoke Oke, Young K. Ro and Tingting Yan), **2011 Decision Sciences Institute's Annual Meeting**, 19-22 November, Boston, MA.

- “Intra-port Container Terminals – A Comparative Examination of their role in Global Supply Chain Management.” **Supply Chain Management Educator’s Conference at CSCMP’s 2011 Annual Global Conference**, October 2011, Philadelphia, PA.
- "An Empirical Examination of the Use of Manufacturing Technologies in Plants with Varying Export Intensity" (with Cigdem Ataseven and Paul Swamidass), **2010 Decision Sciences Institute’s Annual Meeting**, 20-23 November 2010, San Diego, CA.
- “Mutating Turing Machines,” **2010 INFORMS Annual Meeting**, November 2010, Austin, TX
- “Aligning Environmental Dynamism, Purchasing Strategy Formulation, Implementation and Performance: An Empirical Investigation,” (with Jayanth Jayaram and Ajay Das), **2010 Annual Meeting of the Academy of Management**, Montréal, Canada.
- “A Field-Based Investigation of Service Part Inventory Management: Implications for Supply Disruption Mitigation,” (with Christopher Boone, Christopher Craighead and Joe Hanna), **21<sup>st</sup> Annual POMS Conference**, Vancouver, Canada.
- Participant in the workshop titled, “ERPSim: A Serious Game to Teach ERP Concepts,” **SAP Curriculum Congress 2010**, San Diego, March 19-20.
- Participant in Decision Science Institute Mini Conference on Technology in the Class Room -“A Day in the Life of a LINKS Supply Chain Management Simulation Team: A Simulated Team Meeting,” **2009 National Decision Sciences Institute Conference**, New Orleans, LA.
- “Examining Power Dynamics in Buyer-Supplier Relationships,” (with Ram Narasimhan and Elliot Bendoly), **INFORMS Annual Meeting 2009**, San Diego, CA.
- “Co-opetitive buyer supplier relationship,” (with Ram Narasimhan and Elliot Bendoly), **Twentieth annual conference of POMS, May 2009**, Orlando, FL. (Session Chair)
- “Merging Organization Theory Typology and Six Sigma Practices: A Conceptual Model of Six Sigma Project Management,” (with Manoj Malhotra and Sanjay Ahire), **2008 APICS Conference**, Kansas City, MO.
- “Co-opetitive buyer supplier relationship,” (with Ram Narasimhan and Elliot Bendoly), **2008 Academy of Management Conference**, Anaheim, CA.
- Invited to participate in the Workshop for Junior Faculty in Operations Management, **2008 Academy of Management Conference**, Anaheim, CA.
- “Examining the Relationship between Topology and Performance of Supply Networks in the Presence of Random and Targeted Disruptions,” (with José M. Vidal), **2007 National Decision Sciences Institute Conference**, Phoenix, AZ.
- Participant in workshop titled, “Supply Chain Process Improvement,” **Lean & Quality Conference, 26<sup>th</sup> & 27<sup>th</sup> September, 2007**, Atlanta, GA
- Invited to participate in the Professional Development Workshop titled, “Advanced Social Networks: Theoretical And Empirical Applications Of Social Network Analysis,” **2007 Annual Meeting of the Academy of Management, 4<sup>th</sup> August, 2007**, Philadelphia, PA
- Participant in the Professional Development Workshop titled, “Micro Methods for Macro Problems: Using Experiments to Advance Theory in Strategy and Tech. Mgmt Experiments for Macro Research,” **2007 Annual Meeting of the Academy of Management, 5<sup>th</sup> August, 2007**, Philadelphia, PA

- Participant in the Professional Development Workshop titled, “Process Research Methods Workshop,” **2007 Annual Meeting of the Academy of Management, 4<sup>th</sup> August, 2007**, Philadelphia, PA
- Participant in the Professional Development Workshop titled, “Introduction to Social Networks Research,” **2007 Annual Meeting of the Academy of Management, 3<sup>rd</sup> August, 2007**, Philadelphia, PA
- “Supplier relationship development and the use of technologies – A critical examination,” (With Ajay Das), **Eighteenth annual conference of POMS, April-May 2007**, Dallas, TX.
- “Robustness of supply networks against disruptions – A complex adaptive systems perspective,” **Eighteenth annual conference of POMS, April-May 2007**, Dallas, TX. (Session Chair)
- “Do supplier relationships hurt the use of in-house manufacturing technologies”, (With Ajay Das), **Proceedings of ICISTM-2007**, New Delhi, March 12-13th, 2007, pp. 186-190.
- Invited to participate in the Supply Chain Design and Complexity Meeting at the W.P. Carey School of Business, Arizona State University, March 2<sup>nd</sup>, 2007
- “Mitigation of supply chain disruptions by utilizing a systems approach for service parts inventory management: An exploratory field study,” (With Chris Boone, Chris Craighead and Joe Hanna), **2006 National Decision Sciences Institute Conference**, San Antonio, TX.
- “An investigation of the strategies of the buyer and the supplier in a situation of lock-in,” (With Ram Narasimhan), **Seventeenth annual conference of POMS, April-May 2006**, Boston, MA.
- “Research opportunities in six sigma quality improvement,” Invited panel discussion at **2005 National Decision Sciences Institute Conference**, San Francisco, CA
- “Explaining the relationship between R&D intensity and return on sales,” (With Allison Jones-Farmer and Paul Swamidass), **2005 National Decision Sciences Institute Conference**, San Francisco, CA
- “Allocation of resources in exploration and exploitation of technologies: Re-evaluation using an adaptive agent application,” (With Rosanna Garcia and Paul Rummel), **System Dynamics Society’s 2005 Conference, July 2005**, Boston MA.
- “Mutating Turing machines as a metaphor for interactive behavior: Examining coordination in inter-organizational relationships,” **2005 NKS (New Kind of Science) Summer School organized by Wolfram Research at Brown University**, Providence, RI.
- “An investigation of innovation lock-in and buyer-supplier relationship,” (With Ram Narasimhan), **Sixteenth annual conference of POMS, April-May 2005**, Chicago, IL.
- “Linking internal technology development and the use of AMT with manufacturing plant capabilities,” (With Morgan Swink), **Sixteenth annual conference of POMS, April-May 2005**, Chicago, IL.
- “Meta-Analysis of the Relationship between Total Quality Management Practices and Firm Performance Implications for TQM Theory Development,” **Proceedings of 2004 National Decision Sciences Institute Conference**, Boston, MA (Session Chair)(This



*paper is recognized with the **Distinguished Paper Award** in the Quality and Productivity track)*

- “An exploratory study of cooperation in supply chain networks using a cellular automata based model,” (With Ram Narasimhan), **2004 National Decision Sciences Institute Conference Presentation**, Boston, MA
- “A stochastic differential game based study of channel power in a supply chain,” (With Ram Narasimhan), **INFORMS Annual Meeting, October 2004**, Denver, CO.
- “Product Development and Innovation-Based Competition Between Collaborating Supply Chain Partners – A Differential Game Based Analytical Investigation,” (With Ram Narasimhan), Proceedings of **14<sup>th</sup> Annual North American Research/Teaching Symposium on Purchasing and Supply Management**, Tempe, Arizona.
- “Competition and the Quality-Price-Advertising Dynamics,” (With Ram Narasimhan), **INFORMS Annual Meeting, November 2002**, San Jose, CA.
- “Competitive Advantage in Collaborative Supply Chains: Some Propositions and Research Directions,” Proceedings of **2002 National Decision Sciences Institute Conference**, San Diego, CA
- “Supply Chain Planning with Advanced Planning and Scheduling: Implications for Academia,” (With David Closs), **2002 CLM Logistics Educator’s Conference**, San Francisco, pp.317-345
- “Linking Postponement Strategies With Flexibility: Implications On Supply Chain Performance,” Proceedings of **2001 National Decision Sciences Institute Conference**, San Francisco, CA
- “Postponement Strategies: A Literature Review And An Examination Of The Underlying Theme,” Proceedings of **2001 Midwest Decision Sciences Institute Conference**, Dearborn, MI. *(This paper was recognized with the **Best Student Paper Award**)*
- “Quick Response: Managing the Supply Chain - Book Review,” **Supply Chain Management: An International Journal**, Vol.6, No.1, Jan-March 2001

### **TEACHING INTEREST**

- Operations Management
- Strategic Sourcing
- Analysis of Supply Markets
- Supply Chain Management
- Healthcare Management
- Technology and Innovation Management
- Quality Management

### **TEACHING EXPERIENCE**

#### **Broad College of Business, Michigan State University**

##### Undergraduate:

- SCM 303 – Introduction to Supply Chain Management (Spring 2016, Spring 2017, Spring 2018) (Undergraduate)

- UGS 200H – Honors Research Seminar on Healthcare Management (Fall 2013 – Spring 2014) (Honors College Undergraduate Students)
- UGS 200H – Honors Research Seminar on Complex Systems in Natural and Social Contexts (Fall 2019 – Spring 2020) (Honors College Undergraduate Students)

#### Masters:

- SCM 826 – Manufacturing Design and Analysis (Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018) (Full-time MBA)
- SCM 853 – Operations Strategy (Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020) (Full-time MBA)
- SCM 848 – Analysis of Supply Markets (Spring 2019, Summer 2019, Fall 2019, Spring 2020, Summer 2020, Spring 2021) (MS in Supply Chain Management)
- SCMC 849 – Supply Base Management (Four times a year) (Certificate Course in Supply Chain Management)
- PIM 875 – Supply Chain Management II (Fall 2019, Fall 2020) (Executive MBA)
- HCM 812 – Health Care Supply Chain Management (Spring 2020, Summer 2020, Fall 2020, Spring 2021)

#### Doctoral:

- SCM 921 – Seminar in Inventory and Supply Chain Management (Spring 2014) (Ph.D. Seminar)
- SCM 941 – Empirical Research in Operations Management (Fall 2018, Fall 2020) (Ph.D. Seminar)
- SCM 942 – Analytical Research in Operations and Sourcing Management (Spring 2019) (Ph.D. Seminar)

#### Executive Education:

- Logistics Cost Assessment & Management – Supply Chain Logistics Management Executive Seminar (2019, 2021)
- Supply Chain Costs & Financial Concepts – Western Michigan Supply Chain Management Certificate Series (2019, 2020)
- Agribusiness Supply Chain Management – National Institute of Agricultural Extension Management (MANAGE), Hyderabad (2019)

#### **Lee Kong Chian School of Business, Singapore Management University**

- OPIM 341 – Procurement and Strategic Sourcing (Summer 2013, Summer 2014) (Undergraduate)

#### **School of Business and Economics, University of Melbourne**

- Econometric and Agent-based Modeling Techniques (Summer 2017) (Ph.D. Seminar)

#### **Moore School of Business, University of South Carolina**

- MGSC 491 – Supply Chain Management (Spring 2009, Spring 2010, Spring 2011, Spring 2012) (Undergraduate - SCM Elective)
- MGSC 876 – Supply Chain Management (Spring 2011, Spring 2012) (Full-time & Part time MBA – SCM Elective)
- MGSC 395 – Operations Management (Fall 2006, Spring 2009, Fall 2010, Fall 2011) (Undergraduate - Introduction to Operations)
- IBUS 736 – Management of Global Supply Chains (Spring 2008, Spring 2009, Spring 2010) (Full-time and Part-time MBA - SCM Elective)
- MGSC 898 – Seminar in Operations Strategy (Fall 2009) (Ph.D. Seminar)
- EIMBA: MGSC 876 – Supply Chain Management (Fall 2008) (at Tecnológico de Monterrey (ITESM), Guadalajara, Mexico - SCM Elective) (Executive MBA)

### **College of Business, Auburn University**

- MNGT 3250 – Enterprise Operating Systems (Spring 2006) (Undergraduate - Introduction to SAP R/3)
- MNGT 3150 – Introduction to Operations Management (Fall 2003 – Summer 2006) (Undergraduate - Introduction to Operations)
- STAT 2610 - Introduction to Statistics for Business and Economics (Spring 2004, 2005) (Undergraduate - Introduction to Business Statistics)

### **The Eli Broad College of Business, Michigan State University**

- MSC 470 – Supply Chain Applications and Policy (Spring 2003) (Undergraduate - SCM Capstone)
- MSC 442 – Logistics and Transportation Management (Summer 2002) (Undergraduate - Logistics Elective)
- MSC 317 – Quantitative Business Research Methods (teaching assistant) (Fall 2000) (Undergraduate - Introduction to Business Statistics)

### **THESES SUPERVISION & STUDENT ADVISING**

- Ashok Balakrishnan (Ph.D. Student, Michigan State University): Advising and collaborative research, 2018 – December 2020 (*Operations and Supply Chain Management*)
- Sukrit Pal (Ph.D. Student, Michigan State University): Advising and collaborative research, 2017 – present (*Operations and Supply Chain Management*)
- Zhenzhen Yan (Ph.D. Student, Michigan State University): Advising and collaborative research, 2017 – December 2019 (*Operations and Supply Chain Management*)
- Wenwen Zhu (Ph.D. Student, South China University of Technology): Co-advisor with Professor Xiande Zhao from China Europe International Business School (CEIBS)
- Hepsiba Chepngeno (Undergraduate Student, Honors College, Michigan State University): Research mentoring for the poster, ““Role of Non-Governmental Organization in Enhancing the Integration of Small-Holder Farmers in the Supply

Chain,” that was presented at the University Undergraduate Research & Arts Forum on April 7<sup>th</sup>, 2014. (The poster received First Prize in the Business Category).

- David Dreyfus (Ph.D. Student, Michigan State University): Dissertation Chair (*Operations and Supply Chain Management*) “Essays on Service Disruptions and Efficiency in Acute Episodes of Care” **(The dissertation won the 2017 Elwood S. Buffa Doctoral Dissertation Award from the Decision Sciences Institute)**
- Adam Curry, Katie Hanlon, Michaela Marks (Undergraduate Students, Honors College, Michigan State University): Research mentoring for the project, “The Effects of Differentiation and Cost Strategies on Profitability and Customer Satisfaction within Healthcare Sector,” that was presented at the University Undergraduate Research & Arts Forum on April 4<sup>th</sup>, 2014.
- Emmalee Skorich and Sarah Tresedder (Undergraduate Students, Honors College, Michigan State University): Research mentoring for the project, “Volunteer Impact on Patient Satisfaction and Efficiency of Performance in Hospitals: A Conceptual Model,” that was presented at the University Undergraduate Research & Arts Forum on April 4<sup>th</sup>, 2014.
- Jay Patel and Michael Sterner (Undergraduate Students, Honors College, Michigan State University): Research mentoring for the project, “Affordable Care Act: A Hospital’s Perspective,” that was presented at the University Undergraduate Research & Arts Forum on April 4<sup>th</sup>, 2014.
- Shelbie Shelder and Marian Catalan (Undergraduate Students, Honors College, Michigan State University): Research mentoring for the project, “An Exploratory Case Study of the Determinants of Quality of Care in Health Care Centers Serving American Indian/Alaskan Native Population,” that was presented at the University Undergraduate Research & Arts Forum on April 4<sup>th</sup>, 2014.
- Cigdem Ataseven (Ph.D. Student, University of South Carolina): Dissertation Chair – 2008 – 2013 (*Operations and Supply Chain Management*) (Current Position: Assistant Professor, Monte Ahuja College of Business, Cleveland State University)
- Elizabeth Wilson (Undergraduate Student, University of South Carolina): Research advisor as a part of the Magellan Scholar Program (Current Position: Doctoral Student, Kellogg School of Management, Northwestern University)
- Mariana Nicolae (Ph.D. Student, University of South Carolina): Advising and collaborative research (*Operations and Supply Chain Management*)
- Carol Robinson (Ph.D. Student, University of South Carolina): Dissertation Committee Member (*Operations and Supply Chain Management*) – 2008 – 2012 (University of South Carolina)
- Alan Mackelprang (Ph.D. Student, University of South Carolina): Advising and collaborative research – 2007 – 2009 (*Operations and Supply Chain Management*)
- Benito Mendoza (Ph.D. Student, University of South Carolina): Dissertation Committee Member (*Computer Science & Engineering*) – 2009 (University of South Carolina)
- Hrishikesh Goradia (Ph.D. Student, University of South Carolina): Dissertation Committee Member (*Computer Science & Engineering*) – 2007 (University of South Carolina)
- Christopher Boone (Ph.D. Student, Auburn University): Dissertation Committee Member (*Supply Chain Management*) – 2006

- Zach Seitz (Undergraduate student, Auburn University): Chair for the Undergraduate Honors thesis (*Service Operations Management*)

## **PROFESSIONAL SERVICE**

### **Service to the Professional Community**

- Co-Department Editor (Technology Management) – Journal of Operations Management (Jan. 2020 - )
- Co-Department Editor (Healthcare) – Journal of Operations Management (Sep. 2017 - )
- Chair - Regional Best Paper Presentation, 2019 Decision Sciences Institute Conference, New Orleans, LA.
- Track Chair – Empirical Research in Operations Management, 2018 POMS Annual Conference, Annual Meeting, Houston, TX.
- Coordinator: Pre proposal defense doctoral student consortium – 2018 Decision Sciences Institute’s Annual Meeting, Chicago, IL.
- Track Chair – Sourcing & Supply Management, 2017 POMS Annual Conference, Annual Meeting, Seattle, WA.
- Coordinator: Post proposal defense doctoral student consortium – 2016 Decision Sciences Institute’s Annual Meeting, Austin, TX.
- Vice President (Publications) – Decision Sciences Institute
- Board of Directors – Decision Sciences Institute
- Special Issue Editor (with Felix Reed-Tsochas, University of Oxford) for the Journal of Operations Management Special Issue, “A Complex Adaptive Systems Paradigm for Operations & Supply Chain Issues.”
- Editorial Review Board – Journal of Supply Chain Management (2015 - )
- Editorial Review Board – Production and Operations Management Journal (2015 - )
- Track Chair – Empirical Research in Operations Management, POMS 27<sup>th</sup> Annual Conference, Annual Meeting, Orlando, FL.
- Track Chair – Healthcare Management, 2015 Decision Sciences Institute’s Annual Meeting, Seattle, WA.
- Editorial Review Board – Quality Management Journal (2014 - )
- Publications committee – Decision Sciences Institute (2014-2016)
- Chair – Professional Development Workshop titled, “What's Trending: Cutting Edge Research Methods” (2014 Decision Sciences Institute Annual Meeting, Tampa, FL)
- Session Chair – “Relating outsourcing to performance of healthcare facilities” (2014 Decision Sciences Institute Annual Meeting, Tampa, FL)
- Judge – Best paper award competition. (2014 Decision Sciences Institute Annual Meeting, Tampa, FL)
- Associate Editor – Decision Sciences (2013 – )
- Track Chair – Supply Management (2013 Decision Sciences Institute Annual Meeting, Baltimore, MD)
- Session Chair – 2013 POMS Annual Conference, Denver, CO
- Associate Editor – Journal of Operations Management (2012 – Aug. 2017)

- Track Chair – Manufacturing Operations Management (2012 Decision Sciences Institute Annual Meeting, San Francisco, CA)
- Judge - 2012 Instructional Innovation Award Competition (2012 Decision Sciences Institute Annual Meeting, San Francisco, CA)
- Session Chair – Manufacturing Operations Management Track Caucus (2012 Decision Sciences Institute Annual Meeting, San Francisco, CA)
- Editorial Review Board – Journal of Operations Management (2007 – 2012)
- Editorial Review Board – International Journal of Integrated Supply Management (2008 – to present)
- Area Editor – Operations Management Research (2007 – 2010)
- Ad-hoc reviewer: European Journal of Operational Research, IEEE Transactions on Engineering Management, International Journal of Operations and Production Management, International Journal of Production Economics, International Journal of Production Research.
- Session Chair – 2004 Decision Sciences Institute Annual Meeting, Boston
- Session Chair – Eighteenth annual conference of POMS, April-May 2007, Dallas, TX
- Session Chair - Twentieth annual conference of POMS, May 2009, Orlando, FL.

### **Service to the Department/School/University**

#### **Michigan State University**

##### University

- Reviewer – Honors College merit applications for Cole Scholarship (2021)
- Member – Provost's group formed to discuss MSU Honors College (2021)
- Member – University Committee on Honors Program (August 2020 - )
- Research Mentoring – Honors College (2013-2014)
- Member: University Committee for Graduate Studies (UCGS) (2016 - 2020)
- Chair: UCGS Research Policy Subcommittee (2016 - 2017)
- Member - Automation & Robotics Feasibility Study, University Services (2018-2020 )

##### College

- Advisor – International Case Competition organized by Tepper School of Business, Carnegie Mellon University (2019, 2020).
- Committee – Pre-experienced MS program in Supply Chain Project Management (2020)
- Advisor – Case Competition organized by University of Pittsburgh (2020)
- Committee – Broad College Research Committee (2017 – 2019)
- Co-Director – Broad Inter-college Collaboration Initiative (BICI) (2015 - 2018)
- Committee Member - Strategic Planning Collaboration across University Group (2015 - )
- Chair - Masters Program Committee (2016 - 2017)
- Committee Member – MBA Curriculum Review (2016)
- Committee: Master in Healthcare Management program development (2016 - 2019)

- Board: Institute for Business Research (2016 - )
- Executive training on materials management as a part of Executive Development Program for Husky Energy. (2015)

#### Department

- Webinar Series on Supply Chain Disruptions Amid COVID-19 (July 2020)
- Supply Chain Management Faculty Recruitment Committee (2020)
- Operations Management Faculty Recruitment Committee (2015-2016)
- Teaching and Advisory Committee (2015 - )
- Committee - Sixth Global Supply Chain Management Conference: Building Bridges Between Theory and Practice (2013)
- Committee - Emerging issues/trends for SCM department strategic planning (2015-2016)
- Reading Committee -3<sup>rd</sup> year review (2014-2015)
- Committee – Research Colloquium (2014 - )
- Chair: Operations and Sourcing Doctoral Program Committee (2017 - )

#### University of South Carolina

##### Department

- Co-organizer of Corporate/Research Symposium, November 2010.
- Coordinator – Research Colloquium organized by Management Science Department (2009 - 2012)
- Contribution to the Strategic Directions Proposal: “Managing Global Supply Chains” (2007-2008)
- Creation of knowledge repository for the Center for Global Supply Chain and Process Management (2007-2010)
- Member of the Committee assigned to Redesign the Core Operations Management undergraduate course (2007-2008)

##### College

- Chair of the Undergraduate Scholastic Standards and Petitions Committee (2010 - 2012)
- President, USC Chapter of the Beta Gamma Sigma honor, (January 2010 – July 2012)
- Faculty Coordinator – SAP Academic Alliance
- Dean’s Circle – Moore School of Business, July 2009
- Expert Instructor – Ivory Tower to Marketplace Course, May 2009
- Participated in the Academic Leader Program organized by Tec de Monterrey and shared knowledge and experiences with the students, faculty, and the business community of Guadalajara, October 2008
- Member of the Undergraduate Scholastic Standards and Petitions Committee (2007-2010)
- Member of the Committee assigned to Redesign the seminar courses offered in the Ph.D. program (2007-2008)

## Volunteering Experience

- Coach – Science Olympiad (Okemos Public Schools - Kinawa 5-6 School) (2015-2017)
- Panelist – Ashoka’s Youth Venture (Youth Venture inspires and supports teams of young people to launch and lead their own “Ventures” - community-benefiting initiatives, clubs, organizations and businesses.)
- Volunteer – Red Cross

## CONTINUING EDUCATION

- **Introduction to Data Science** – An online non-credit specialization by IBM and offered through Coursera. The specialization covers the following four courses: (i) What is Data Science? (ii) Tools for Data Science; (iii) Data Science Methodology; and (iv) Database and SQL for Data Science with Python.
- Specialization in **Deep Learning** from Deeplearning.AI & Coursera. The specialization covers five courses – (i) Neural Networks and Deep Learning; (ii) Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization; (iii) Structuring Machine Learning Projects; (iv) Convolutional Neural Networks; and (v) Sequence Models.
- Santa Fe Institute workshop entitled “Integrating Different Perspectives on Social Learning”, April 2018 (Funded by National Science Foundation)
- “Complex Systems Summer School”, Santa Fe Institute, Santa Fe, NM, June 2017 - July 2017.
- “NECSI Course on Complex Networks”, MIT, Boston, June 2015
- "Statistical Methods for Large Scale Social Networks," ITM Workshop, April 2013.
- "SCM Statistical Methods," audited the course from September 2012 - December 2012.
- "Analytics Applications and Global Bike, Inc." at SAP 2013 Academic Conference - Americas.
- "In-Memory Database Management and the SAP HANA Platform," at SAP 2013 Academic Conference - Americas.
- "Mobile Application Development with the SAP Mobile Platform," at SAP 2013 Academic Conference - Americas.
- "SAP HANA Business Cases," at SAP 2013 Academic Conference - Americas.
- Training in ERPSim simulation game using SAP (Organized by HEC Montreal at the SAP Curriculum Congress 2010)
- Participated in the executive education on “Negotiations in Supply Chains” (May 2007)
- Attended workshops on “Theory building with Simulations”, “Social Network Analysis”, “Behavioral experiments” & “Process Research Methods” (Academy of Management Conference, August 2007)
- Attended workshop on “Supply Chain Process Improvement” in the *Lean and Quality Conference* sponsored by IIE and ASQ (September, 2007)



- 2005 Summer School organized by Wolfram Research at Brown University on complexity theory and complex systems (NKS Summer School, June – July 2005)
- Attended SAP training as a part of University Alliance Program at Auburn University (January 2005)

### **PROFESSIONAL AFFILIATION**

- Academy of Management
- American Society of Quality
- APICS - Association of Operations Management
- Council of Supply Chain Management Professionals
- Decision Sciences Institute
- Institute for Supply Management
- Production and Operations Management Society