Anand Nair
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Broad College of Business
Michigan State University
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(Updated: April 25, 2014)

RESEARCH CONTRIBUTION

Publications


**INDUSTRY SPONSORED RESEARCH**

- “Healthcare operations and supply chain management”, Oakwood Healthcare
- “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)

**GRANT PROPOSALS**
Michigan State University

- 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 School Research Grant Program & Center for Global Supply Chain & Process Management (CGSCPM) (October 2008) Grant: $5,000 - Funded
- Center for International Business Education and Research (CIBER) Grant: (October 2008) $2,000 - Funded
- Center for International Business Education and Research (CIBER) Grant (October 2007): $3,000 - Funded
- Center for International Business Education and Research (CIBER) Grant (October 2006): $3,500 - Funded

Conference Proceedings, Presentations, Workshop Participation, Panel Discussions & Book Reviews

- “An Empirical Study on Food Bank Supply Chains,” (with Cigdem Ataseven and Mark Ferguson), DSI 2013, Baltimore, MD.
- “Efficiency Analysis Determines Best Practices for Dialysis Departments,” (with Srinivas Talluri and David Dreyfus), DSI 2013, Baltimore, MD.
• “Trade liberalization, exports, and manufacturing technologies,” (with Cigdem Ataseven and Paul Swamidass), APICS 2013, September 29 – October 1, Orlando, FL.


• “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.


• “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


• “A Field-Based Investigation of Service Part Inventory Management: Implications for Supply Disruption Mitigation,” (with Christopher Boone, Christopher Craighead and Joe Hanna), 21st Annual POMS Conference, Vancouver, Canada.

- 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.


- “Co-opetitive buyer supplier relationship,” (with Ram Narasimhan and Elliot Bendoly), Twentieth annual conference of POMS, May 2009, Orlando, FL. (Session Chair)


- Invited to participate in the Workshop for Junior Faculty in Operations Management, 2008 Academy of Management Conference, Anaheim, CA.


- “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)

Invited to participate in the Supply Chain Design and Complexity Meeting at the W.P. Carey School of Business, Arizona State University, March 2nd, 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


"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.


"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)


"A stochastic differential game based study of channel power in a supply chain," (With Ram Narasimhan), INFORMS Annual Meeting, October 2004, Denver, CO.


"Competition and the Quality-Price-Advertising Dynamics," (With Ram Narasimhan), INFORMS Annual Meeting, November 2002, San Jose, 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


• "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)


TEACHING EXPERIENCE

Broad College of Business, Michigan State University

• SCM 921 – Seminar in Inventory and Supply Chain Management (Spring 2014)

• UGS 200H – Honors Research Seminar in Healthcare Management (Fall 2013 – Spring 2014) (Honors College Students)

• SCM 826 – Manufacturing Design and Analysis (Spring 2013, Spring 2014) (Full-time MBA)

• SCM 853 – Operations Strategy (Fall 2012, Fall 2013) (Full-time MBA)

Lee Kong Chian School of Business, Singapore Management University

• OPIM 341 – Procurement and Strategic Sourcing (Summer 2013)

Moore School of Business, University of South Carolina

• MGSC 491 – Supply Chain Management (Spring 2012) (Undergraduate - SCM Elective)

• MGSC 876 – Supply Chain Management (Spring 2012) (Full-time & Part time MBA – SCM Elective)

• MGSC 491 – Supply Chain Management (Fall 2011) (Undergraduate - SCM Elective)

• MGSC 395 – Operations Management (Fall 2011) (Undergraduate - Introduction to Operations)

• MGSC 491 – Supply Chain Management (Spring 2011) (Undergraduate - SCM Elective)

• MGSC 876 – Models in Supply Chain Management (Spring 2011) (Full-time MBA – SCM Elective)

• MGSC 491 – Supply Chain Management (Fall 2010) (Undergraduate - SCM Elective)

• MGSC 395 – Operations Management (Fall 2010) (Undergraduate - Introduction to Operations)

• IBUS 736 – Management of Global Supply Chains (Spring 2010) (Full-time and Part-time MBA - SCM Elective)
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<th>Offering Period</th>
<th>Degree/Program</th>
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<td>Supply Chain Management (Spring 2010)</td>
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<td>MGSC 898</td>
<td>Seminar in Operations Strategy (Fall 2009)</td>
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<td>EIMBA: MGSC 876</td>
<td>Supply Chain Management (Fall 2008)</td>
<td>(Executive MBA at Tecnológico de Monterrey (ITESM), Guadalajara, Mexico - SCM Elective)</td>
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**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)

**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**

- David Dreyfus (Ph.D. Student, Michigan State University): Mentoring and Collaborative research (Operations and Supply Chain Management)
• 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 4th, 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 4th, 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 4th, 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 4th, 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): 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): 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

• Chair – Professional Development Workshop titled, “What’s Trending: Cutting Edge Research Methods” (2014 Decision Sciences Institute Annual Meeting, Tampa, FL)
• Associate Editor – Decision Sciences Journal (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 – )
• 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)
• 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
• Research Mentoring – Honors College

College
• Masters Program Committee

Department
• Teaching and Advisory Committee
• Committee - Sixth Global Supply Chain Management Conference: Building Bridges Between Theory and Practice
• Committee - Emerging issues/trends for SCM department strategic planning
• Reading Committee - 3rd year review

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)

AWARDS AND RECOGNITION

• Co-Guest Editor (with Felix Felix Reed-Tsochas, University of Oxford) for the Journal of Operations Management Special Issue, “A Complex Adaptive Systems Paradigm for Operations & Supply Chain Issues.”
• Best Associate Editor Award for the Journal of Operations Management for 2013
• Moore Research Fellow, Moore School of Business, University of South Carolina: $10,000 for four years (Joined the Broad College of Business, Michigan State University in 2012; hence, the fellowship was in effect from 2010 – 2012)
• Invitation and research grant to participate in the Academic Leader program organized by Tec de Monterrey (October 2008): $1,000
• Recognized by the University of South Carolina Beta Gamma Chapter of Delta Sigma Pi as the “New Professor of the Year” (Fall’ 2006)
• 2004 Decision Sciences Institute/ Irwin McGraw Hill Elwood S. Buffa Doctoral Dissertation Award
• 2004 Decision Sciences Institute’s Distinguished Paper Award in Quality and Productivity track
• 2001 Midwest Decision Sciences Institute Best Student Paper Award (second prize)

EDUCATION

• Ph.D. in Business Administration, Michigan State University, USA.
• BE (Electronics), MBA, India

PROFESSIONAL CERTIFICATIONS

• Certified Fellow in Production and Inventory Management (CFPIM) by APICS – The Association for Operations Management

• Certified Quality Engineer (CQE) by ASQ – American Society for Quality

EMPLOYMENT

• June 2013 – July 2013, Lee Kong Chian School of Business, Singapore Management University, Singapore
  Visiting Professor

• August 2012 – Present, Broad College of Business, Michigan State University, USA
  Associate Professor

• August 2010 – August 2012, Moore School of Business, University of South Carolina, USA
  Moore Research Fellow & Associate Professor
August 2006 – July 2010, Moore School of Business, University of South Carolina, USA  
**Assistant Professor**

August 2003 – August 2006, College of Business, Auburn University, USA  
**Assistant Professor**

August 2000 – May 2003, The Eli Broad College of Business – Michigan State University, USA  
**Research and Teaching Assistant**

May 1999– June 2000, IntelliGroup Inc. (NTT Data Corporation, Japan) – Mumbai, India  
**Manager – Business Development**

Jan 1998 – March’ 1999, Mafatlal Consultancy Services Ltd. - Mumbai, India  
**Consultant – Enterprise Applications**

July 1997 – Dec 1997, CMC Ltd. (a subsidiary of TCS) - Mumbai, India  
**Executive – Business Development (System Integration)**

**RESEARCH INTEREST**

- Administrative Innovation - Quality Management, JIT, Lean, Supply Chain Integration
- Networks - Inter-Organizational Supply Networks and Interpersonal Social Networks
- Strategy - Link between Business and Operations Strategy
- Technological Innovation – Supply Chain Technologies, Innovation Strategy

**TEACHING INTEREST**

- Supply Chain Management
- Operations Management
- Strategic Sourcing
- Technology and Innovation Management
- Quality Management

**CONTINUING EDUCATION**

- "Statistical Methods for Large Scale Social Networks," ITM Workshop, April 2013.
- "SCM Statistical Methods," audited the course from September 2012 - December 2012.
- "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.
- 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 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