
HIMALI PATIL

Ph.D. Logistics Systems

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SUMMARY

- Research oriented academician with passion for teaching Supply Chain Management, Operations Management, Business Analytics, and related courses
- Supply Chain Management Professional with six plus years of management experience in the FMCG & Manufacturing industries with transferable skills in operations, supply chain development projects, demand planning and data analytics

EDUCATION

Doctor of Philosophy - Business (Logistics Systems)

Graduated: 12/2023

University of North Texas, G. Brint Ryan College of Business, Denton, TX, USA

- Dissertation: *Role of Additive Manufacturing in Restructuring Supply Chains* (Chairs: Dr. Niranjana & Dr. Narayanan, Member: Dr. Sauser)

Research funded by the [Center for Agile and Adaptive Additive Manufacturing \(CAAAM\)](#), UNT

Master of Business Administration - Logistics & Supply Chain Management

Graduated: 08/2016

S P Jain School of Global Management, Sydney, NSW, AU

GPA – 3.27/4.0

- Master's thesis: *Study of implementation of Six Sigma in Small and Medium Enterprises in developing countries in Asia.*
- Internship project: *Supply chain process mapping and process reengineering for African & Eastern, Dubai*

Bachelor of Technology - Mechanical Engineering

Graduated: 07/2011

University of Pune, Government College of Engineering, Pune, MH, India

GPA – 6.95/10.0

- Relevant courses – Operations Research, Manufacturing Engineering, Production and Operations Management, Quality Engineering and Industrial Management, Data Communication

RESEARCH AND PUBLICATIONS

Research Interests: Emerging technologies influence on supply chains, Supply Chain Restructuring, Effect of interaction of technologies on supply chains

Journal Publications

1. **Patil, H.**, Niranjana, S., Narayanamurthy, G. and Narayanan, A. (2022). Investigating contingent adoption of additive manufacturing in supply chains. *International Journal of Operations & Production Management*, Vol. 43 No. 3, pp. 489-519. <https://doi.org/10.1108/IJOPM-05-2022-0286>.
2. Patil, K.S., Garg, V., Gabaldon, J., **Patil, H.**, Niranjana, S., Hawkins T. (2023). Firm Performance in digitally integrated supply chains: A combined perspective of transaction cost economics and relational exchange theory. *Journal of Enterprise Information Management*, Vol. ahead-of-print No. ahead-of print. <https://doi.org/10.1108/JEIM-09-2022-0335>.

Research (In Progress)

1. **Patil, H.**, Niranjana, S., Narayanamurthy, G., Narayanan, A, Sauser B. Additive Manufacturing for reshoring: An empirical investigation.
2. **Patil, H.**, Patil, K.S., Singh, S. Explicating the role of Additive Manufacturing in spare parts supply chains.
3. **Patil H.**, Patil, K.S. Leveraging Additive Manufacturing for Supply Chain Resilience: An Empirical Examination.
4. **Patil, H.**, Patil, K.S. Revamping Purchasing and Supply Management Practices with Additive Manufacturing.
5. Niranjana, S., **Patil, H.**, Bani, S., Hawkins, T. Does use of digital technology and supply chain integration tools help improve firm performance and partner satisfaction?

Conference Proceedings/Presentations (Accepted/Published)

1. **Patil, H.**, Narayanamurthy, G., Niranjana, S., Narayanan, A. (2024). ‘Print for Pack up!’ - Influence of Additive Manufacturing Adoption on Reshoring Decisions. *Euroma*, Barcelona, Spain.
2. **Patil, H.**, Patil, K. S. (2023). Revamping Purchasing and Supply Management Practices with Additive Manufacturing. *Decision Sciences Annual Conference (DSI)*, USA.
3. **Patil, H.**, Niranjana, S., Narayanan, A. (2022). Additive Manufacturing for AAA capabilities. *Decision Sciences Annual Conference (DSI)*, TX, USA.
4. Narayanan, A., **Patil, H.** (2022). Additive Manufacturing? Can it be a magic pill for supply chain disruption? *ASCM CONNECT Annual Conference*, IL, USA.
5. **Patil, H.**, Niranjana, S., Narayanan, A. (2022). Influence of Additive Manufacturing on supply chain resilience: An empirical analysis. *CSCMP 2022 Academic Research Symposium*, TN, USA
6. **Patil, H.**, Niranjana, S. (2022). AM adoption and innovation capabilities of firms. *Emerging Aviation Technology Conference 2022*, Durant, OK, USA.
7. **Patil, H.** (2021). Additive Manufacturing and Supply Chains: A study of the benefits and challenges. *Decision Sciences Annual Conference (DSI)*, USA.
8. Patil, K. S., **Patil, H.**, Niranjana, S., Pohlen, T. (2021). System dynamics-based simulation study of the association between transportation and economic performance of United States. *Production and Operations Management Society Annual Conference (POMS)*, USA.
9. Patil, K. S., **Patil, H.**, Hong, S. (2020). Role of trust mechanisms in impact of bilateral inter-country relationships on supply chain performance. *Decision Sciences Annual Conference (DSI)*, USA.
10. **Patil, H.**, Niranjana, S., Narayanan, A. (2020). Influence of Additive Manufacturing on Supply Chain Characteristics. *CSCMP 2020 Academic Research Symposium*, USA.

Research Honors and Awards

- Recipient of the 2024 POP Summer Grant Program 05/2024
- RCOB Alan G Mayper Doctoral Scholarship at University of North Texas AY 2022-2023
- Member of The Academic Honor Society: Phi Kappa Phi
- Academic Achievement Scholarship at the University of North Texas AY 2019-2020
- Donald J. Bowersox, Doctoral Symposium Fellow. Council for Supply Chain Management Professionals (CSCMP) Academic Research Symposium, Nashville, TN, 09/2022
- 17th Annual Logistics Doctoral Symposium Fellow, Ames, IA 04/2022
- Production and Operations Management Society Doctoral Consortium Fellow, *Production and Operations Management Society Annual Conference* (Virtual) 05/2021
- Decision Sciences (DSI) Doctoral Consortium Fellow, *Decision Sciences (DSI) Annual Conference* (Virtual) 11/2021

ACADEMIC EXPERIENCE

Assistant Professor of Practice – Marketing and Supply Chain Management (08/2023-present)

Texas Tech University, Rawls College of Business, Lubbock, TX, USA

- Courses taught

Course Name	Semester	Average
SCM 3353 Section 001, 002, 003	Spring 2025	TBD
SCM 4372 Section 002	Spring 2025	TBD
SCM 3353 Section 001, 002, 003	Fall 2024	4.7/5
SCM 4372 Section 002	Fall 2024	3.9/5
SCM 3353 Section 001, 002, 003	Spring 2024	4.4/5
SCM 4372 Section 002	Spring 2024	4.8/5
SCM 3353 Section 003	Fall 2023	3.5/5

Research Assistant L3

(01/2020-08/2023)

G. Brint Ryan College of Business, University of North Texas, Denton, TX

Research funded by [Center for Agile and Adaptive Additive Manufacturing \(CAAAM\)](#), University of North Texas, Denton, TX

- Conduct and publish interdisciplinary research on the supply chain and logistics of Additive Manufacturing

Teaching Assistant

(08/2019-12/2019)

G. Brint Ryan College of Business, University of North Texas, Denton, TX

- Tutored the course ‘Purchasing and Materials Management’ (OPSM 4810) in the Department of Logistics & Operations Management
- Supported faculty to conduct in-class case studies
- Graded the quizzes, assignments, and exams of the course

Research Assistant L1

(08/2019-12/2019)

G. Brint Ryan College of Business, University of North Texas, Denton, TX

- Completed data analysis and assisted with the manuscript preparation

Guest Lecturer

G. Brint Ryan College of Business, University of North Texas, Denton, TX

- Conducted classes for course Logistics & Supply Chain Management (Fall 2021)
- Delivered guest lectures in the course E-Logistics in Supply Chain Management (Fall 2021)
- Conducted classes for course Logistics & Supply Chain Management (Spring 2022)

FACULTY DEVELOPMENT TRAINING

- Graduate Student Teaching Excellence Program (GSTEP) Summer 2020
- Teaching Enhancement Seminars AY 2019-2020, AY 2020-2021, AY 2021-2022, AY 2022-2023
- Donald J. Bowersox Doctoral Symposium, Council for Supply Chain Management Professionals (CSCMP) Academic Research Symposium, Nashville, TN 09/2022

ACADEMIC SERVICE

Service to the Area/College

- Curriculum revision: Course coordinator SCM 3353 (Fall 2023-current)

Service to the field

- Ad-hoc reviewer: International Journal of Production and Operations Management (IJOPM) 2023
- Ad-hoc reviewer: Decision Sciences Annual Conference (DSI) 2022
- Session chair: Production and Operations Management Society Annual Conference (POMS), 2021
- Session chair: Decision Sciences (DSI) Annual Conference, 2021
- Session chair: Decision Sciences (DSI) Annual Conference, 2020
- Volunteered as track manager at Production and Operations Management Society (POMS) Annual Conference, 2022.
- Mentored the undergraduate student's team for research project Spr 2021
University of North Texas, G. Brint Ryan College of Business, TX
Project title: Simulation for technologies in field services

INDUSTRY EXPERIENCE

Supply Chain Development Project Lead

(10/2016-08/2018)

Henkel Adhesive Technologies, Dubai, UAE

- Responsible for generating a demand plan for South Africa for four business units with a portfolio of 900+ SKUs, including seasonal products, by collaborating with Sales & Marketing and using exceptions-based planning.
- Rolled out APO DP tool into monthly demand planning cycle for statistical forecasts generation, event planning, and promotion for the South Africa region.
- Improved Demand planning accuracy from 54% to 63% in 2017 by performing gap analysis and through monthly demand reviews with the sales team.

- Led and facilitated S&OP for South Africa for all business units by providing decision-making inputs to the meeting, maintaining the action log & following up with action owners.
- Liaised between supply planning and sales team to cater to abnormal demand and resolve supply gaps.
- Performed internal audits for core supply chain processes such as Order to Cash (OTC) and Purchase to Pay (PTP) in businesses across India, the Middle East, and Africa to identify process gaps and actions required to close the gaps.

Senior Manager, Projects

(05/2015-09/2015)

Cummins India Ltd., Pune, MH, India

- Developed project plans with timelines and priorities and assisted with budget planning & analytical support.
- Facilitated project leaders with critical data analysis and interpretation.
- Coordinated projects and activities with cross-functional teams between Engineering, Quality, Operations, and Distribution to ensure timely completion.

Customer Quality manager

(07/2013-04/2015)

Cummins India Ltd., Pune, MH, India

- Ensured resolution of warranty issues reported on a wide range of products, including engines and components, with corrective and preventative actions within target cycle time.
- Achieved annual warranty cost reduction target (<3%) by utilizing problem-solving tools and collaborating between customers, dealers, and internal cross-functional teams.
- Achieved cost savings of USD 45,000 through two Six Sigma Green Belt Projects regarding warranty issue resolution and process improvements.
- Established process for customer complaint handling & COPQ (Cost of Poor Quality) tracking to improve visibility and prioritization of complaints.

Operations Manager

(08/2011-06/2013)

Cummins India Ltd., Pune, MH, India

- Developed in-house readiness and launched heavy-duty engine assembly under VPI (Value package Introduction) program.
- Reduced material cost for engine production from 90% to 60% with a saving of USD 75,000 by implementing and streamlining new salvage practices.
- Developed skill matrix and development plan for team members across production lines for components and engines for knowledge and skill enhancement.
- Ensured manufacturing readiness for NPIs (new product introduction) across components and engines.
- Implemented operational excellence initiatives such as value stream mapping, line balancing, schedule attainment, and Takt time monitoring at the engine assembly line.

PROFESSIONAL AWARDS

- Appraised as “*Excellent Performer*” for the year (2017) by Henkel Adhesive Technologies, UAE
- Appraised as “*Excellent Performer*” for the year (2015) by Cummins India Ltd.
- Awarded Cummins India’s “*Women Achiever’s Award*” (2014) by Cummins India Ltd.
- “Best Team of the Quarter” award (Q2 and Q4, 2012) at Cummins India Ltd.

CERTIFICATIONS AND TECHNICAL SKILLS

- Certified Lean Six Sigma Green Belt
- Internal auditor certification for ISO 14001& 18001 | ISO 9001: 2008 | TS 16949
- Software: SAP Advanced Supply Chain Planning ERP Module, SAP APO Demand Planning, Tableau, SPSS, SPSS Amos, SmartPLS, R, Stata, Mplus, Minitab, Qualtrics XM, MS Project, MS Office, MS Visio

PROFESSIONAL AFFILIATIONS

- Decision Sciences Institute (DSI)
- European Operations Management Association (EurOMA)
- Council of Supply Chain Management Professionals (CSCMP)
- Association for Supply Chain Management (ASCM)