

Dr. Shraddha Gawankar

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ACADEMIC INTEREST

Production and Operations Management, Supply Chain Management, Business Statistics, Business Analytics and Data Mining.

EDUCATION

- Fellow (PhD) in Operations Management, National Institute of Industrial Engineering (NITIE, Ranked 8th in Career360 B-school, year 2018 rankings), Mumbai, India, 2015.
- MBA in Operations Management, Nagpur University, India, 2008.
- B.E. in Computer Engineering, Nagpur University, India, 2005
- Diploma in Computer Engineering, Maharashtra State Board of Technical Education, 2002.

- Green Belt – Six Sigma Certification (CH052016147)
- Computing Proficiency: SPSS 21, AMOS 21 and Microsoft Office (all versions)
- Machine Learning Algorithms using Python Programming

TEACHING EXPERIENCE

Courses Presently Teaching: Operations Management, Supply Chain Management, Statistical Modeling using AMOS, and Business Research Methods.

Teaching Interests: Supply Chain Finance with emphasis on Pricing and Revenue Management and Supply Chain Analytics.

Course work development: Associated with developing course material for subject ‘Research Methodology and Operation Research’. Indira Gandhi National Open University (IGNOU), India.

June 15, 2017 to till now: Assistant Professor, Sri Venkateswara College of Engineering & Technology. Courses Taught: Operations Management, Supply chain management and Statistics for management

August 15, 2016 to May 8, 2017: Visiting International Scholar, Robins School of Business, University of Richmond, Virginia (VA). Courses Taught: Operations Management.

March 3, 2016 to July 31, 2016: Assistant Professor, Faculty of Management, SRM University, Chennai. Courses Taught: Research Methodology, Stress Management.

December 18, 2008 to June 15, 2010: Assistant Professor, Dr. Ambedkar Institute of Management Studies and Research. Courses Taught: Operations Management, Supply Chain Management, Logistics Management, Operations Research.

May 1, 2009 to November 12, 2009: Visiting Faculty, Institute of Management Technology (IMT), Nagpur. Courses Taught: Management Information System in Executive MBA Program.

June 1, 2005 to July 1, 2006: Lecturer, Kavikulguru Institute of Technology and Science, Ramtek. Courses Taught: C Programming, Operating System and Computer Architecture and Organization.

BOOK PUBLICATION

Gawankar, S. and Kamble. S. (2017). *Supply chain performance measurement – a tool for achieving excellence*, LAP LAMBERT Academic Publishing, Germany (ISBN: 978-3-330-33639-1).

RESEARCH EXPERIENCE

October 28, 2015 to January 19, 2016: Project Research Associate at Centre of Supply Chain Management, National Institute of Industrial Engineering (NITIE). (Research Area: Agriculture supply chain)

PUBLICATIONS

Journal Publications

Revisions Submitted (2018)

- Retail 4.0: Impact of Investments in big data driven supply chain on organizational performance - An empirical investigation. International Journal of Production Research, Submitted by **Gawankar, S.**, Gunasekaran, A. and Kamble, S. (First review submitted, impact Factor: 4.976)

Papers ready for submission

- Blockchain Technology: Analyzing its Impact on Supply Chain Integration and Performance. International Journal of Information Management, Submitted by **Gawankar, S.**, Gunasekaran, A., Kamble, S. and Luthra, S. (Impact Factor: 4.810)

Under Review (2018-19)

- Industry 4.0: Impact of investments big data driven supply chain on firm performance: an empirical investigation in the Indian automotive sector. Long Range Planning - Journal - Elsevier, Submitted by **Gawankar, S.**, Wamba, S. F. and Patel, B. (Impact Factor: 5.901)
- Analyzing the effect of the big data-driven supply chain on supply chain management practices and organizational performance in Retail 4.0. International Journal of Production Economics, Submitted by **Gawankar, S.**, Gunasekaran, A., Kamble, S. and Paris, L. (Impact Factor: 4.976)
- Achieving sustainable performance in data-driven Agriculture supply chain- a review for research and applications. International Journal of Production Economics. Submitted by Kamble S. S, Gunasekaran, A. and **Gawankar, S.** (Impact Factor: 4.976)
- Bio-medical waste handling and disposal network optimization in Indian Context. Computers and Industrial Engineering. Submitted by Kamble S. S, Gunasekaran, A. and **Gawankar, S.** (Impact Factor: 3.442)
- Effect of supply chain performance measures on supply chain profitability: an empirical investigation using structural equation modelling in Indian retail sector. Asian Business & Management. Submitted by **Gawankar, S.** and Bhaskar. P. (Impact Factor: 1.17).

Publications in 2018

1. Kamble, S., Gunasekaran, A. and **Gawankar, S.** “Sustainable Industry 4.0 Framework: A Systematic Literature Review Identifying the Current Trends and Future Perspectives”, *Process Safety and Environmental Protection*, Vol. 117, pp. 408–425. (Impact Factor: 3.45)

Publications in 2017

2. Kamble, S. Raut, R. and **Gawankar, S.** (2017), “Optimizing the newspaper distribution scenarios using genetic algorithm: A case study of India”, *American Journal of Applied Sciences*, Vol. 14, No. 4, pp. 478 - 495
3. **Gawankar, S.**, Kamble, S. and Raut. R. (2017), “An investigation of relationship between supply chain management practices (SCMP) on supply chain performance measurement (SCMPM) of Indian Retail chain using SEM”, *Benchmarking: An International Journal*, Vol. 24 No. 1, pp. 257 – 295. (Impact Factor: 1.97)

Publications in 2016

4. **Gawankar, S.**, Kamble, S. and Verma, R. (2016), “Development, Measurement and Validation of Supply Chain Performance Measures’ (SCMP) Scale in Indian Retail Sector”, *Benchmarking – International Journal*, Vol. 23, No.1, pp. 25 – 60. (Impact Factor: 1.97)
5. Kamble, S., **Gawankar, S.** and Raut. R. (2016), “Logistic Service Quality (LSQ) and Organizational Performance: Conceptualization, Measure Development, Measure Test and Model Fit”, *International Journal of Logistics Systems and Management*, Vol. 25, No. 4, pp. 532 – 557.
6. Pattanshetti, M., Kamble, S., Dhume, S. and **Gawankar, S.** (2016), “Validating the Measurement Constructs Affecting the Technology Adoption in Indian Mobile Banking Industry”, *International Journal of Applied Marketing and Management*, Vol. 1, No. 1, pp. 24-37

Publication in 2015

7. **Gawankar, S.**, Kamble, S. and Raut. R. (2015), “Performance Measurement using Balance Score Card and its Applications: A review”, *Journal of Supply Chain Management Systems*, Vol. 4 No. 3, pp. 6-21.

Publication in 2014

8. **Gawankar, S.** and Kamble, S. (2014), “Retail Revolution and Indian Customers: The relationships dynamics”, *Banaras Hindu University Management Review*, Vol. 4, Special Issue. July, pp. 20 - 25

Publications in 2013

9. **Gawankar, S.**, Kamble, S. and Verma, R. (2013), “Effect of supply chain management practices on supply chain profitability: an empirical investigation using structural equation modelling in Indian retail sector”, *International Journal Services and Operations Management*, Vol. 16, No. 2, pp. 145 – 173.
10. **Gawankar, S.**, Kamble, S. and Verma, R. (2013), “Development, measurement and validation of supply chain management practices scale in Indian retail sector”, *International Journal Procurement Management*, Vol. 6, No. 5, pp. 495 – 522.
11. **Gawankar, S.**, Kamble, S. and Verma, R. (2013), “Understanding of Indian retail supply chain and Retail Supply chain performance measurement in India”, *International Journal of Managing Value and Supply Chains (IJMVSC)*, Vol. 12, No.4, pp. 25 – 31.

Publication in 2012

12. Gawankar, S., Kamble, S. and Verma, R. (2012), "Indian retail supply chain performance measurement: An inclusive framework", Macmillan Advanced Research Series, Vol.1, pp. 24 – 30

Publication in 2011

13. **Gawankar, S.**, Kamble, S. and Verma, R. (2011), "Supply chain performance measurement frameworks- Issues and challenges", Udyog Pragati- The Journal of Practicing Managers, Vol.35, No. 4, pp. 15 – 25.

CONFERENCE PROCEEDINGS

1. **Gawankar, S.** and Bhaskar P. (2019), "Blockchain technology adoption in Indian automobile – an empirical investigation using ISM, fuzzy MICMAC and SEM", POMS 2019. (Paper accepted)
2. **Gawankar. S.** "Big data-driven supply chain, supply chain competency and firm performance: Retail 4.0.", DSI 2018 Annual Meeting, 17th – 19th November, 2018, Chicago, Illinois
3. **Gawankar. S.** and Kamble. S. "Effect of supply chain performance measures on supply chain profitability: an empirical investigation using structural equation modelling in Indian retail sector", International Symposium on Industrial Engineering and Operations Management (IEOM UK Symposium), 24th - 25th July, 2017 Bristol, UK.
4. **Gawankar. S.** and Bhaskar, P. "Simulation Modeling and Analysis of expected quantity, profit and discount margin for apparel industry", International Symposium on Industrial Engineering and Operations Management (IEOM UK Symposium), 24th - 25th July, 2017 Bristol, UK.
5. **Gawankar. S.** and Kamble. S. "An Integrated Retail Supply Chain Performance Measurement Model with Governance Structure as the Moderating Factor", POMS 2017 - Twenty Eighth Annual Conference, 5th – 8th May, 2017, Seattle, Washington, U.S.A.
6. Kamble. S. and **Gawankar. S.** "An Integrated Retail Supply Chain Performance Measurement (RSCPM) Model for Indian Retail Sector", POMS 2015 - Twenty Sixth Annual Conference, 8th – 11th May, 2015, Washington, DC, U.S.A, pp. 223.
7. **Gawankar, S.** and Kamble, S. "Development, measurement and validation of internal and external factors scale for Indian retail sector", National Conference on Industrial Engineering and Technology Management (NCIETM-2014), 29th – 31st October, 2014, National Institute of Industrial Engineering (NITIE), Excel Publication, Vol.1, pp. 294 – 298, ISBN: 978-93-83842-90-2.
8. **Gawankar, S.** and Kamble, S. "An Integrated Retail Supply Chain Performance Measurement (RSCPM) Model for Indian Retail Sector", Biennial Supply Chain Management Conference, 18th – 19th December, 2014, Indian Institute of Management Bangalore, Vol. 1, pp. 65 – 68.
9. **Gawankar. S.**, Kamble. S. and Verma, R. "An Integrated Structural Model of Supply Chain Management Practices (SCMP), Supply Chain Performance Measurement (SCPM) and its impact on Supply Chain Profitability (SCP)", XVII Annual International Conference of the Society of Operations Management, Indian Institute of Technology Madras (IITC), Chennai.
10. **Gawankar. S.**, Kamble. S. and Verma, R. "Development and Validation of SCM practices, Performance Measures, Competitive Advantage and SC Profitability Scales for Indian Retail supply chain Performance Measurement", XVI Annual International

Conference of the Society of Operations Management, 21st – 23rd December, 2012, at Indian Institute of Technology Delhi (IITD), New Delhi, , pp. 125 – 132.

11. **Gawankar. S., Kamble. S. and Verma, R.** “Development, Measurement and Validation of Supply Chain Performance Measures (SCMP) Scale in Indian Retail Sector”, Third Biennial Supply Chain Management Conference, 14th-15th December, 2012, Indian Institute of Management Bangalore.
12. **Gawankar. S., Kamble. S. and Verma, R.** “Indian retail supply chain performance measurement: An inclusive framework”, ISDSI 2012, 5th International Conference Indian Subcontinent Region Decision Sciences Institute (ISDSI), 4th – 6th January, 2012, at Great Lakes Institute of Management, Chennai.
13. **Gawankar. S., Kamble. S. and Verma, R.** “Review on Retail Supply Chain Performance Measurement Framework”, 6th Asia Pacific Retailing Conference, University of Malaya, 14th – 17th September, 2011, at Kuala Lumpur, Malaysia.
14. **Gawankar. S., Kamble. S. and Verma, R.** “An Exploratory study for evaluating performance measurement of Retail Supply Chain”, XV Annual International Conference, Society of operations Management (SOM), 16th– 18th December, 2011, pp.11, at Indian Institute of Management (IIMs), Kolkata, pp. 76 - 80
15. **Gawankar. S., Kamble. S. and Dhote, S.** “Sustainable Operations Management: Issues and Challenges’, XV Annual International Conference, Society of operations Management (SOM), 16th -18th December, 2011, at Indian Institute of Management (IIMs), Kolkata. pp.24 - 28
16. **Gawankar. S., Kamble. S. and Verma, R.** “A review on Supply chain Performance frameworks for suitability and applicability for the Indian automotive industry”, IIM, Indore, Doctorial Consortium on 13th – 15th May, 2011, pp. 20 - 24
17. **Gawankar. S., Kamble. S. and Verma, R.** “Development and Validation of Retail Supply Chain Performance Measurement Framework”, Indian Institute of Science (IISc), Department of Management Studies, The 11th Consortium of Students in Management Research (COSMAR), pp. 79 – 81
18. **Gawankar, S. and Kamble, S.** “PM – A Revolution for Sustainability”, article published in Performance Management Association (PMA), Newsletter, (2011), Vol.9 No.1, pp.30 – 33.
19. **Gawankar. S., Kamble. S. and Verma, R.** “A Review of Supply Chain Performance Measurement Frameworks”, XIV Annual International Conference of the Society of Operations Management in association with National Institute of Industrial Engineering (NITIE), 17th – 19th December, 2010, at NITIE, pp. 76 – 80.

FACULTY AND INDUSTRY TRAINING

Management Development Programs

Have conducted around 10 MDP’s on the following topics

- R basics and advance
- Blockchain technology in project management
- Data analysis/statistical modeling using SPSS and AMOS
- Lean and six sigma
- Big data analytics
- Supply Chain Management
- Operations Management
- Decision Making Tools in Industrial Engineering

Workshops/Training

1. Participated in Two-day workshop on 'Advanced Structural Equation Modeling', organized by IBS Hyderabad on 6th – 7th December, 2012.
2. 'Exploring the Retail Supply Chain Performance Measurement (RSCPM) factors in Indian Retail Sector', National Conference on Opportunities and Challenges in present global business scenario, 27thDecember 2012, Amritapuri University, Kerala.
3. 'A Study and analysis on implementation of SAP at Havells India Limited, Nagpur' – Article Printed in Book (ISBN No.93-80043-35-X) Pg No 140 at "National Conference on Role of Management Science in Decision Making, RMSDM - 2009, IMT Campus, Nagpur, India.
4. 'SAP Assessment Quires' – Paper Presented on IT and Supply chain Management at Mahakal Institute of Management, Ujjain (MP), India
5. Participated in conference on "Management Education: Country Perspectives in a Globalizing world, organized by Xavier Institute of Management & Entrepreneurship in association with AIMS, Bangalore, India.
6. Participated in one day Orientation Programme on "How to Supervise Students Project Research" hosted by Kavikulguru Institute of Technology and Science, Ramtek, Nagpur, India.
7. Participated in two-day faculty development program "ME – WE" – Building Self-Managed Teams" organized by Dr. Ambedkar Institute of Management Studies & Research, Nagpur, India.
8. Participated in one day management development program "Organization Development through effective entrepreneurship" organized by Dr. Ambedkar Institute of Management Studies & Research, Nagpur, India.
9. Participated in two-day management development program "Research Methods & Data Analysis through SPSS". Organized by Central Institute of Business management Research & Development, Nagpur, India

Award/Recognition

- Dr Sharad Joshi Outstanding Management Research Paper Award (2016).
- Invited for guest lecture on International Woman's Days at Reydel manufacturing, Chennai. (8/03/2016).

Other Activities

- Participated as delegate and worked in student committee for Practice Leaders Forum – 2013 organized by National Institute of Industrial Engineering (NITIE) in association with Production and Operations Management Society (POMS), USA on 23rd – 24th December, 2013.
- Student representative from NITIE Mumbai, for Society of Operations Management (SOM).
- Worked in student organizing committee for XIV Annual International Conference of the Society of Operations Management in association with National Institute of Industrial Engineering (NITIE).
- Worked in student organizing committee for Three day's workshop on Research Methodology in Business Management.

PROFESSIONAL ACTIVITIES

Research: An Integrated Model for Analysing SCM practices, Performance Measures, on SC Profitability in Indian Retail Sector using Structural Equation Modelling (SEM).

REFERENCES:

Angappa Gunasekaran, Ph.D.

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(Former Professor and Dean at National Institute of
Industrial Engineering, Mumbai, India).