Krishnendu Shaw

Asst. Prof. Department of Management Studies
IIT(ISM) Dhanbad
Dhanbad – 826004, Jharkhand, India

Phones : +91-0326-2235166,09471192495
Emails : shawkrishnendu@gmail.com

Education

2014	Ph.D. in Supply Chain Management, Department of Management Studies, Indian Institute of Technology Delhi (CGPA: 9/10)
2008	M. Tech in Fibre Science, Department of Textile Technology, Indian Institute of Technology Delhi (CGPA: 8.183/10)
2006	B. Tech in Textile Technology, G.C.E.T.T.S, Serampore, West Bengal (CGPA: 8.12/10)

Research Interests

Large scale supply chain network optimization, Lot sizing, Supplier selection, Empirical Study, Green supply chain, Benders Decomposition, Fuzzy optimization, MCDM Techniques, Mathematical programming.

Teaching Interests

Operations Management, Project Management, Supply chain Management, Mathematical Modeling using software, Research Methodology & statistics.

Journal Publications

2017	Das, R., and Shaw, K. (2017). Uncertain supply chain network design considering carbon footprint and social factors using two-stage approach, Clean Technology and Environment Policy, 19(10), 2491-2519. (IF: 3.331- SCI/SSCI)
2016	Irfan, M., and Shaw, K. (2017). Modeling the effects of energy consumption and urbanization on environmental pollution in South Asian countries: a nonparametric panel approach. Quality and Quality: International Journal of Methodology, 51(1), 65-78. (IF: 1.094 / ABDC – B category)
	Shaw, K., (2017). Fuzzy multi-objective, multi-item, multi-supplier, lot-sizing considering carbon footprint, International Journal of Mathematics in Operational Research, 11(2), 171-203. (Scopus)
	Shaw, K., Mohd. I., Shankar, R., & Yadav, S. S., (2016). Low carbon chance constrained supply chain network design problem: a Benders decomposition based approach, Computers & Industrial Engineering, 98, 483-493. (IF: 3.41, SCI/SSCI)
	Shaw, K., Shankar, R., & Yadav, S. S., (2016). Carbon constrained dual sourcing supplier selection problem: a benders decomposition approach, International Journal of Logistics Systems and Management, 23(3), 363-393. (ABDC – C

	category)
2013	Shaw, K., Shankar, R., Yadav, S. S., & Thakur, L. S., (2013). Global supplier selection considering sustainability and carbon footprint issue: AHP-multi objective fuzzy linear programming approach, International Journal of Operational Research, 17(2), 215-247. (ABDC – C category)
2012	Shaw, K., Shankar, R., Yadav, S. S., & Thakur, L. S., (2012). Supplier selection using fuzzy AHP and fuzzy multi-objective linear programming for developing low carbon supply chain. Expert System with Applications, 39(9), 8182-8192. (IF: 3.92, ABDC – C category)
	Shaw, K., Shankar, R., Yadav, S. S., & Thakur, L. S., (2012). Modeling a low-carbon garment supply chain. Production Planning and Control, 24 (8-9), 851-865. (ABDC – B category)
	Roychoudhury, A. K., Chatterjee, B., Saha, & Shaw, K., (2012). Comparison of performances of macro, micro and nano silicone softeners, Journal of the Textile Institute, 103 (9), 1012-1023. (Scopus)

Research in Progress

1	Benchmarking of m-health services using AHP-fuzzy TOPSIS approach (Work in progress with Manindra Rajak)
2	Stochastic sustainable supply chain network design considering quality rejection, service level, trade credit, and social sustainability (Work in progress)

Teaching /Industry Experience

November. 7, 2014 -	Assistant Professor, Department of Management Studies, Indian School of Mines Dhanbad *UG course :* Industrial Engineering & Management *PG courses:* Project Management, Operations Management, Globalization in operations management, MIS *Ph.D. course :* Research Methodology and Statistics
June 2014 - October 2014	Adjunct Faculty, IMT Hyderabad *PG course:* Data Models & Decision Making
December 2008-July 2009	Lecturer Textile Technology, Panipat Institute of Engineering & Technology
July 2008 – November 2008	Management Trainee, Sarla Fabrics Pvt. Ltd.

Administrative Experience

	Warden, Emrald Hostel, Indian School of Mines Dhanbad
	In charge of B-school ranking.
	Member of placement committee.
	Sports in Charge, IMT Hyderabad

Conferences and Workshops

1	Rajak, M., & Shaw, K., (2015), Study of Technology Acceptance Model (TAM) for mHealth adoption, XIX Annual International conference – Dec 11 – 13, IIMC.
2	Shaw, K., Shankar, R., & Yadav, S. S., (2012), Single item multi supplier dual sourcing lot-sizing model considering carbon footprint and quality rejection, 16th Annual International Conference of The Society of Operations Management,21-23, December, 2012, Venue: Indian Institute of Technology Delhi, India.
3	Shaw, K., Shankar, R., Yadav, S. S., & Thakur, L. S., (2011) Optimization of Supply Chain Network Considering Carbon Emission Issue, ICASCMM, IIT Kharagpur, 16-18, December, India (e-proceeding)
4	Shaw, K., Shankar, R., & Yadav, S. S., (2011) Low carbon strategy selection in supply chain using ANP approach", International conference on Practice and Research in Management, PRIM, 18-20 February. Dayalbagh Educational Institute, Agra, India. (e-proceeding)
5	Shaw, K., Shankar, R., & Yadav, S. S., (2010) Supplier selection using Fuzzy AHP and fuzzy goal programming approach in low carbon supply chain, XIV Annual Conference of the Society of Operations Management, NITIE Mumbai, 17-19 December, 2010. India

Journal Editing and Paper/Book Review

1	Served as reviewer for Journal of Applied Mathematics, Omega, Journal of Advances in Management Research, European Journal of Operational Research
2	Member, Review Committee, 16th Society of Operations Management Conference, held at Indian Institute of Technology Delhi, December 21-23, 2012.
3	Assisted in updating the Operations & Supply Management book written by Chase, Shankar, Jacob & Aquilano 12th Edition, McGraw Hill (2010): Indian Reprint: Tata McGraw Hill
4	Assisted in updating the Management of Technology: The Key to Competitiveness and Wealth Creation book written by Tarek Khalil and Ravi Shankar.

Awards and Fellowships

2009-2014	Awarded institute scholarship during PhD.

2013	The "Supplier selection using fuzzy AHP and fuzzy multi-objective linear programming for developing low carbon supply chain" paper was in the list of most Top 25 Hottest Articles in Expert Systems with Applications Journal, from January – March 2013.
2012	Got Best paper award in 16th Annual conference of Society of Operations Management, held at Indian Institute of Technology Delhi, on December 21-23, 2012.
2006-2008	Awarded MHRD scholarship during M. Tech.
2006	Ranked among Top 5 in Textile Technology during B. Tech under WBUT University, West Bengal.
	Ranked 25th in GATE examination.
2005	Awarded Platinum Jubilee Celebration Trust Scholarship for achieving 1st position in the institution (G.C.E.T.T.S) in the 3rd Year in B. Tech.

Ph.D. Theses Supervision

Manindra Rajak
Topic: A study of mHealth in the context of India (Ongoing)

Kumar Jyotiraditya
Topic: Performance measurement of services considering sustainability (*ongoing*)

Vijay Lahari
Topic: Select issues in green supply chain management (Ongoing)

Deepak Kumar
Topic: Risk Identification and assessment in vendor selection for automotive industry (Ongoing)

M. Tech. Theses Supervision

Aditya (2013MT0117)
Topic: Green supply chain management on automobile, electronics and textile sectors

Vivek Kumar (2013MT0100)
Topic: Green supply chain management: case studies on chemical, steel and cement sectors

Anirban Dasgupta (2013mt0079)
Topic: Manpower Planning of an iron ore mines and ore processing plant- a case study

Guddu Kumar (2014MT0093)
Topic: Green technology selection: a modeling approach using AHP and TOPSIS

Viresh Khushwaha (2014MT0155)
Topic: Supplier Selection: A case study on Tata Steel.

Viresh Kushwaha (2014mt0155)
Topic: Supplier selection: A case study of Tata steel.

Nitish Kumar Verma (15mt000672)
Topic: Process improvement through DMIAC and process level calculation in engine shop.
Sandeep Kumar Sahu (15mt000677)
Topic: Optimize the production of Y-cone in makeup department.

Rakesh Kumar Sharma(15mt000717)
Topic: Implication of emerging productivity and quality improvement techniques in integrated steel industry.

Aashutosh Singh(15mt000704)
Topic: Productivity improvement at finishing line of mill using simulation.

Software Skills

Lingo, AMPL, SPSS, AMOS, Super Decision, Expert Choice.

Languages

English – speak and write, Hindi – speak, Bengali- speak and write

References

Prof. Ravi Shankar
Department of Management Studies
Indian Institute of Technogoly Delhi
Hauz Khas, New Delhi -110016
Ph: 91-11-26596421, +91-9811033937 (M)
Email: r.s.research@gmail.com

Prof. Surendra S. Yadav
Department of Management Studies
Indian Institute of Technogoly Delhi
Hauz Khas, New Delhi -110016
Ph: 91-11-26591242
Email: ssyadav@dms.iitd.ac.in