

Curriculum Vitae

Dated: April 23rd, 2023

Dr. ABHISHEK SHARMA

Assistant Professor
Dept. of Industrial & Systems Engineering
Indian Institute of Technology (IIT) Kharagpur

Ph.D. in Operations and Supply Chain area
Indian Institute of Management (IIM) Rohtak



CONTACT AND PERSONAL DETAILS

Correspondence Address:

FTA-09, IIT Kharagpur campus, Kharagpur,
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Email ID: replyingabhi@gmail.com (personal);

DOB: September 01, 1990

Permanent Address:

U-32, 2nd Floor, West Patel Nagar, New Delhi,
India-110008.

Nationality: Indian

EDUCATION

2015-2020	Doctorate	Institute:	Indian Institute of Management Rohtak,
		Programme:	Doctor of Philosophy (Ph.D.)
		Specialization:	Operations Area
		Thesis title:	‘Essays on Supply Chain Coordination with Fairness concerns’
		Completed on:	23 rd October, 2020
2009-2013	Graduation	Institute:	National Institute of Technology Srinagar
		Programme:	Bachelor of Technology (B.Tech.)
		Specialization:	Chemical Engineering
		CGPA:	7.963/10.00

2007-2008	Senior	Board:	CBSE
	School	Area:	Non-medical Science
	(12th)	Percentage:	89.2%
2005-2006	Secondary	Board:	CBSE
	School	Percentage:	84.8%
	(10th)		

THESIS DETAILS

Thesis title:

‘ESSAYS ON SUPPLY CHAIN COORDINATION WITH FAIRNESS CONCERNS’

Thesis Supervisor(s): Prof. Deepika Jain (PhD, IIM Bangalore) & Prof. Amol Singh (PhD, IIT Roorkee)

Brief description of doctoral research: In my thesis work, I have worked in the area of behavioral operations and supply chain management using non-cooperative game-theory approaches. Three studies were conducted from three different scenarios of supply chain management which are as follows:

1. Green supply chain:

Game-theoretic analysis of green supply chain under cost-sharing contract with fairness concerns

2. Dual-channel supply chain:

A game theoretic analysis of dual-channel supply chain with Nash bargaining fairness concern

3. Option contract:

Game-theoretic analysis of a two-echelon supply chain with option contract under fairness concerns

The thesis investigates the effects of fairness concerns of supply chain members on their decision-making and overall supply chain performance. Analytical models have been developed in all three studies using non-cooperative game theory approaches, inequity aversion model of fairness, and Nash bargaining model of fairness.

TEACHING INTEREST(S)

Operations Research and Analytics; Optimization Techniques – (Heuristics & Metaheuristics); Game Theory for Decision Making; Supply Chain Management Analytics & Logistics; Management of Inventory Control Systems; Production Planning & Control; Operations Management; Service Operations Management; Probability & Statistics for Decision Making; Data Analysis in Management; Project Management

RESEARCH INTEREST(S)

Behavioral Operations; Industry 4.0 Enabled Supply Chain; Social Preferences in Supply Chain; Supply Chain Coordination; Green Supply Chain, Sustainable Supply Chain; Multi-Channel Supply Chain; Supply Contracts; Game Theory

PUBLICATIONS

‘Published’ articles in peer-reviewed International Journals						
S. No.	Title of the Paper	Journal	Journal Rank / Category	Publisher/ Cite Score (CS)/Impact Factor (IF)/ SJR (S)	Author(s)	Year, Vol. (Issue), pp.
1.	Coordinating socially responsible supply chain with fairness via simple	<i>Journal of Cleaner Production</i>	ABDC: A (ABDC 2019 List), ABS: 2	Elsevier, CS: 15.8, IF: 11.072,	<u>Sharma, A.</u> , & Singh, S.	2022, 376

	wholesale price contract		(ABS 2018 List), Q1 journal	SCIE Indexed, Scopus		
2.	Game-theoretic analysis of a two-echelon supply chain with option contract under fairness concerns	<i>Computers & Industrial Engineering</i>	ABDC: A (ABDC 2019 List), ABS: 2 (ABS 2018 List), Q1 journal	Elsevier, CS: 9.7, IF: 7.18, SCIE Indexed, Scopus	<u>Sharma, A.</u> , Dwivedi, G., & Singh, A.	2019, 137
3.	A Game theoretic analysis of dual-channel supply chain with Nash bargaining fairness concern	<i>Journal of Business & Industrial Marketing</i>	ABDC: A (ABDC 2016, 2019 List), ABS: 2, (ABS 2018 List), Q1 journal	Emerald, CS: 5.0, IF: 3.879, SJR: 0.77 SSCI Indexed, Scopus	<u>Sharma, A.</u> , & Jain, D.	2020, 35 (2), pp. 244-259
4.	Game-theoretic analysis of green supply chain under cost-sharing contract with fairness concerns	<i>International Game Theory Review</i>	ABDC: B (ABDC 2016, 2019 List), ABS: 1 (ABS 2018 List)	World Scientific Publishers, CS: 0.9, SJR: 0.238 ESCI Indexed, Scopus	<u>Sharma, A.</u> , & Jain, D.	2021, 23(02)
5.	Game-theoretic analysis of pricing models in a dyadic	<i>International Journal of Strategic</i>	ABDC: B (ABDC 2016 List), ABS: 1	IGI Global	<u>Sharma, A.</u>	2019, 10 (2), pp. 1-24

	supply chain with fairness concerns	<i>Decision Sciences</i>	(ABS 2018 List)			
6.	A SAP-LAP linkages framework for integrating Industry 4.0 and circular economy	<i>Benchmarking: An International Journal</i>	ABDC: B (ABDC 2016, 2019 List), ABS: 1, (ABS 2018 List), Q2 journal	Emerald, CS: 5.0, SJR: 0.593 Scopus	Chauhan, C., <u>Sharma, A.</u> , & Singh, A.	2021, 28(5), pp. 1638- 1664
7.	A Review of behavioral decision making in the Newsvendor problem	<i>Operations and Supply Chain Management- An International Journal</i>	ABDC: C (ABDC 2016, 2019 List)	OSCM Forum, CS: 1.3 Scopus	<u>Sharma, A.</u> , & Nandi, S.	2018, 11 (4), pp. 200- 213
8.	Using Transcendental Phenomenology to explore the social jugaads of transacting money post demonetization in India	<i>International Journal of Indian Culture and Business Management</i>	ABDC: C (ABDC 2016 List), ABS: 1 (ABS 2018 List)	Inderscience	Singh, S., <u>Sharma, A.</u> , & Nandi, S.	2019, 18 (4), pp. 442- 457

CONFERENCES

Sharma, A., & Dwivedi, G. (2019). Analyzing retailer-led green supply chain considering fairness concerns. *26th Annual EuROMA 2019 Conference*, Helsinki, Finland.

- Sharma, A., & Nandi, S. (2018). Pricing policies in a two-echelon supply chain with fairness concerns. *POMS International Conference 2018*, Rio De Janeiro, Brazil.
- Sharma, A., & Nandi, S. (2018). Behavior in the Newsvendor decision making- a literature review. *POMS 2018 Annual Conference*, Houston, U.S.A.
- Sharma, A., & Nandi, S. (2018). Analyzing two different pricing models in a dyadic supply chain with fairness concerns. *32nd Annual ANZAM Conference*, Auckland, New Zealand.
- Sharma, A. (2017). A Study on Prospect Theory and the Newsvendor Problem. *INFORMS Annual Conference 2017*, Houston, U.S.A.

WORK EXPERIENCE

ACADEMIC					
S. No.	Organization/School /Dept.	Position	From – to (Duration)	Salary	Type
1.	Indian Institute of Technology Kharagpur (IIT Kharagpur), West Bengal, India. Dept.: Industrial & Systems Engineering.	Assistant Professor (Grade-II)	27 th December, 2021 - Present	Basic Pay: INR 70,900/- Pay Matrix: INR 57700 - 98200/- Level - 10	Full-time
2.	IMT Business School s Dubai, UAE	s	15 th August 2021 – 23 rd December, 2021 (04 months)	15000 AED per month	Full-time

3.	Indian Institute of Technology Jodhpur (IIT Jodhpur), Rajasthan, India. School: School of Management & Entrepreneurship.	Young Faculty Associate in 'Decision Sciences and Operations' area	03 rd June 2020 – 02 nd June 2021. (01 year)	INR 75,000 per month (consolidated sum)	Full-time
4.	Indian Institute of Management Rohtak (IIM Rohtak), Haryana, India	Teaching Assistantship during PhD	July 2015- Dec 2019	INR 35,000/- p.m.	Full-time

INDUSTRIAL

S. No.	Organization	Position	From – to (Duration)	Salary	Type
1.	Tata Chemicals Ltd. (TCL), Fertilizer's Division, Babrala, Uttar Pradesh, India	Graduate Apprentice Trainee (Ammonia)	14 th July 2014 – 22 nd May 2015 (10 months)	As per GoI's Apprenticeship act	Full time

TEACHING EXPERIENCE | INDUSTRIAL & SYSTEMS ENGINEERING DEPARTMENT | IIT KHARAGPUR

S No.	Course Name	Session/ Year	Level	Credits	Overall Average Feedback
1.	Operations Research	Autumn, 2022	B.Tech.	4	4.10/5.00
2.	Product Design and Development	Autumn, 2022	B.Tech.	2 (two sections)	4.00/5.00
3.	Management of Inventory Systems	Spring, 2022	B.Tech.	4 credits (one section)	4.4/5.00

4.	Optimization & Heuristic Methods	Spring, 2022	B.Tech.	3 credits (one section)	3.5/5.00
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TEACHING EXPERIENCE | IMT BUSINESS SCHOOL DUBAI, UAE

S No.	Course Name	Session/ Year	Level	Credits	Overall Average Feedback
1.	Service Operations Management	Autumn, 2021	Executive MBA, Sec A	2	8.83/10.00
2.	Service Operations Management	Autumn, 2021	Executive MBA, Sec B	2	8.70/10.00
3.	Business Process Management	Autumn, 2021	BBA	3	10.00/10.00
4.	Business Process Management	Autumn, 2021	BBA (Weekend Batch)	3	9.87/10.00

TEACHING EXPERIENCE | SCHOOL OF MANAGEMENT AND ENTREPRENEURSHIP | IIT JODHPUR

S No.	Course Name	Year	Level	Credits	Overall Average Feedback
1.	Statistics for Management	Autumn, 2020	MBA+PhD	2	4.37/5.00
2.	Statistics for Management	Autumn, 2020	B.Tech. + M.Tech +PhD	2	4.73/5.00
3.	Advance Data Analysis for Management	Spring, 2021	PhD in Management	2	4.93/5.00
4.	Systems Engineering and Project Management	Spring, 2021	B.Tech.+ PhD	1	4.52/5.00

ADMINISTRATIVE EXPERIENCE/ROLES/INSTITUTE BUILDING ACTIVITIES

- INDUSTRIAL & SYSTEMS ENGINEERING DEPARTMENT | IIT**

KHARAGPUR (Dec 2021 – present)

S No.	Activity	Description	Role
1	Training for industrial employees	‘Project Based Training Workshop for the Working Professionals of Aarti Steel Limited ’ on Management of Inventory Systems	Faculty Coordinator
2	Webinar series organizer	‘Distinguished Speaker Series at ISE-IIT Kharagpur’ Description: World’s top-notch Academicians are invited for research talks at IIT Kharagpur	Faculty Coordinator
3	Committee	ISE Future Plans	Faculty Coordinator
4	Competition	Poster Competition on ‘Research Scholar’s Day’	Faculty Judge
5	PhD interview	PhD Admissions Interview for 2022 batch	Panel member

- IMT BUSINESS SCHOOL DUBAI, UAE**

(Aug 2021 – Dec 2021)

S No.	Activity/Detail	Role	Period
1	IMT Dubai future building strategies Committee	Faculty Advisor	2021

- SCHOOL OF MANAGEMENT AND ENTREPRENEURSHIP | IIT JODHPUR**

(June 2020 – June 2021)

S No.	Activity/Detail	Role	Period
1	Sports Committee	Faculty Advisor	2020-2021
2	Quiz Club	Faculty Advisor	2020-2021

3	MBA Admission Committee 2021 batch	Faculty Coordinator	2020-2021
4	PhD Admission Committee for 2021 batch	Faculty Coordinator	2020-2021
5	PhD Admission Committee for 2020 batch	Faculty Coordinator	2020-2021
6	Induction Programme Committee for 2020 batch	Faculty Coordinator	2020-2021

ACADEMIC SERVICE

Reviewer	<ul style="list-style-type: none"> • European Journal of Operational Research (Elsevier, ABDC: A*) • Journal of Operational Research Society (Taylor and Francis, ABDC: A) • International Journal of Production Research (Taylor and Francis, ABDC: A) • Computers and Industrial Engineering Journal (Elsevier, ABDC: A) • Journal of Cleaner Production (Elsevier, ABDC: A) • Benchmarking: An International Journal (Emerald, ABDC: B) • International Journal of Operational Research • Mathematical Problems in Engineering • PAN IIM Conference 2019, organized by IIM Rohtak
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GUEST/VISITING/INVITED SPEAKER

S No.	Session Title	Organization	Role	Period
1	Integrating Industry 4.0 and Supply Chain Management Practices	O.P. Jindal Global University, Sonipat, Haryana, India	Guest Speaker	2020- 2021
2	Integrating Industry 4.0 and Supply Chain Management Practices	FORE School of Management, New Delhi, India	Guest Speaker	2020- 2021

AWARDS & ACHIEVEMENTS

- Participated as ‘Head Academic Committee’ in organizing PAN IIM Conference, 2019.
- Recognized reviewer in the list of 2018 reviewers for Benchmarking: An International Journal (Emerald, ABDC: B).
- Secured All India Rank 320 in GATE-2013 in Chemical Engineering area and qualified for M.Tech. in Chemical Engineering at Indian Institute of Technology Delhi.
- Farooq Abdullah Memorial Award for school topper in class 12th by The Hermein Education Society Delhi (Regd.).
- Finisher of Airtel Delhi Half Marathon 2015 (21.09 km) in 01hr: 50min: 46sec time.

REFERENCES

Dr. Deepika Jain	Relation:	Thesis Supervisor
	Affiliation:	Indian Institute of Management Rohtak
	Designation:	Assistant Professor
	Specialization:	Operations Management (OM)
	Email:	deepika.jain@iimrohtak.ac.in
Dr. Amol Singh	Phone:	+91 99165 11312
	Relation:	Thesis Co-Supervisor
	Affiliation:	Indian Institute of Management Rohtak
	Designation:	Associate Professor
	Specialization:	Operations Management (OM)
Dr. Gourav Dwivedi	Email:	amol.singh@iimrohtak.ac.in
	Phone:	+91 97292 02567
	Relation:	Former Thesis Co-supervisor
	Affiliation:	Department of Management Studies, Indian Institute of Technology Delhi
	Designation:	Assistant Professor
	Specialization:	Operations Management (OM)
	Email:	gourav@iitd.ac.in
	Phone:	+91 99352 78275

DECLARATION

I hereby declare that the above information is correct and complete to the best of my knowledge and belief.

Place: Kharagpur

Name: Dr. Abhishek Sharma

Date: April 23rd, 2023