

## Dr. Indranil Biswas

Indian Institute of Management Lucknow, IIM Road, Prabandh Nagar, Lucknow – 226013

### Education

<b>Doctorate:</b>	Fellow Programme in Management
Institute and Year	Indian Institute of Management Calcutta, 2016
Duration:	2010 – 2015
Dissertation Title:	Essays on Supply Chain Coordination
Principal Thesis Guide:	Prof. Balram Avittathur
Area of Specialization:	Operations Management*
	* Secured Major Area CGPA of 8.0/9.0 at the end of the course-work
<b>Graduation:</b>	Bachelor of Engineering (Electrical) <i>Bengal Engineering and Science University, Shibpur</i> 2001 – 2005, First Class, 81%
<b>Higher-Secondary:</b>	<i>St. Xavier's College, Kolkata</i> West Bengal Council of Higher Secondary Education 2001, First Division, 85%
<b>Secondary:</b>	<i>Hare School, Kolkata</i> West Bengal Board of Secondary Education 1999, First Division, 90%

### Academic Work Experience

<b>Position Title:</b>	Assistant Professor
<b>Institute:</b>	Indian Institute of Management Lucknow
<b>Employment Duration:</b>	July 2015 – Till date
<b>Courses taught:</b>	Operations Management PGP, Term II
	Supply Chain Management PGP, Term III
	Supply Chain Analytics and Strategy PGP, Term V; IPMX, Term III
	Seminar Course in Supply Chain FPM, Term VI
	Supply Chain Modelling EFPM, Module III
	Sustainable Supply Chain Management PGP-SM, Term IV

### Non-Academic Work Experience

<b>Organization:</b>	Hindustan Aeronautics Limited, Aircraft Manufacturing Division, Nashik, Maharashtra
<b>Employment Duration:</b>	June 2006 – March 2010
<b>Role:</b>	Avionics Installation and Testing In-charge
<b>Organization:</b>	Reliance Industries Limited, Jamnagar, Gujarat
<b>Employment Duration:</b>	October 2005 – April 2006
<b>Role:</b>	Plant Engineer

### Research Interests

Supply Chain Coordination, Supply Contracts, Green Supply Chain, Triple Bottom Line Supply Chain

### Publications

Peer Reviewed Journal Articles

1. “The Price-Setting Newsvendor Model with Variable Salvage Value” with B. Avittathur, [Annals of Operation Research](#) (Accepted).
2. “Designing supply contracts for the sustainable supply chain using game theory” with A. Raj and S. K. Srivastava, [Journal of Cleaner Production](#), June 2018, 185(1), 275-284.

3. “A note on Limited Clearance Sale Inventory Model” with B. Avittathur, [International Journal of Production Economics](#), November 2017, *193*, 647-53.
4. “A Route Efficiency Analysis Using Shannon Entropy based Modified DEA Method and Route Characteristics Investigation for Urban Bus Transport in India” with A. Adhikari, S. Basu, A. Banerjee, and P. P. Sengupta, [INFOR: Information Systems and Operational Research](#) (Forthcoming).
5. “Impact of structure, market share and information asymmetry on supply contracts for a single supplier multiple buyer network” with B. Avittathur and A. K. Chatterjee, [European Journal of Operational Research](#), 2016, *253*(3), 593-601.
6. “Case Article – ABCtronics: Manufacturing, Quality Control, and Client Interfaces” with A. Adhikari and A. Bisi, [INFORMS Transactions on Education](#), 2016, *17*(1), 20-25.
7. “A DEA and Regression based Financial Performance Evaluation Framework for Public Bus Transport” with A. Adhikari, A. Banerjee, P. Sengupta, and S. Basu, [Journal of Soft Computing and Decision Support Systems](#), 2015, *2*(3), 9-13.

#### *Chapter(s) in Books*

1. “Green Retailing: A New Paradigm in Supply Chain Management” with A. Adhikari and B. Avittathur, in [Handbook of Research on Strategic Supply Chain Management in the Retail Industry](#), N. Kamath, & S. Saurav (eds.), 2016, pp. 290 – 307.

#### *Cases*

1. “Codezin: Braving the Startup Storm” with S. Pal and G. Gupta, [Emerald Emerging Markets Case Studies](#), *7*(4), 1-28.
2. “ABCtronics: Manufacturing, Quality Control and Client Interfaces” with A. Adhikari and A. Bisi, [INFORMS Transactions on Education](#), 2016, *17*(1), 26-33.
3. “Child in Need Institute: Non-Profit or Hybrid?” with S. Ray and A. Ghosh, [Ivey Publishing](#), 2013, Reference No. 9B13M055.

#### *Peer Reviewed Proceedings*

1. “When young firms compete with startups in developing economies: the case of Codezin” with S. Pal and G. Gupta, Book of Abstracts – 25<sup>th</sup> CEEMAN Annual Conference, Emerald Publishing (Forthcoming).
2. “Sustainable Supply Chain Analysis under Green Sensitive Demand and Socially Responsible Agents in Two-tier Supply Chain” with A. Raj and S. K. Srivastava, Book of Abstracts – XX Annual International Conference of the Society of Operations Management 2016, Emerald Publishing.
3. “Supply Chain Coordination Mechanism for Three-tier Supply Chain” with R. Gupta and S. Kumar, Book of Abstracts – XX Annual International Conference of the Society of Operations Management 2016, Emerald Publishing.
4. “Setting of Optimal Retail Price and Return Product Acquisition Price in Closed Loop Supply Chain” with A. Raj and S. K. Srivastava, Book of Abstracts – XX Annual International Conference of the Society of Operations Management 2016, Emerald Publishing.
5. “Influence of market share and information asymmetry on supply contracts for a single supplier multiple buyer network” with B. Avittathur, Proceedings of NITIE – POMS Conference 2014.

#### *Peer Reviewed Paper Presentations*

1. “Greening, Quality, and Advertising effort decisions for three-tier supply chain: A game-theoretic approach” with R. Gupta and S. Kumar, IME Doctoral Colloquium, IIT Kanpur, India, April 6 – 8, 2018.

2. “Impacts of power structure on serial three-tier supply chain with quality and advertising effort dependent fuzzy demand” with R. Gupta and S. Kumar, Management Doctoral Colloquium, IIT Kharagpur, March 13 – 15, 2018.
3. “Design of different contracts for the sustainable supply chain using game theoretic approach” with A. Raj and S. K. Srivastava, IMR Doctoral Conference, Bangalore, India, January 11 – 12, 2018.
4. “Advertising and Quality effort decisions in fuzzy environment: A market power perspective” with R. Gupta and S. Kumar, IMR Doctoral Conference, Bangalore, India, January 11 – 12, 2018.
5. “Sustainable Supply Chain Channel Coordination Using Game Theoretic Approach” with A. Raj and S. K. Srivastava, INFORMS 2017 Annual Conference in Houston, TX, USA, October 22 – 25, 2017.
6. “When young firms compete with startups in developing economies: the case of Codezin” with S. Pal and G. Gupta, 25<sup>th</sup> CEEMAN Annual Conference, Hangzhou, China, September 20 – 22, 2017.
7. “Importance of contract sequence in multi-tier supply chain coordination” with R. Gupta and S. Kumar, 24<sup>th</sup> International Annual EurOMA Conference held at Heriot Watt University, Edinburgh, Scotland, July 1-July 5, 2017.
8. “Designing Optimal Strategies of Defender, Attacker, and Vendor in Cyber Security Games,” with B. Biswas, and A. Mukhopadhyay, 10<sup>th</sup> Annual Conference of the EuroMed Academy of Business (EMAB), Sapienza University of Rome, Italy, September 13 – 15, 2017
9. “Sustainable Supply Chain Analysis under Green Sensitive Demand and Socially Responsible Agents in Two-tier Supply Chain” with A. Raj and S. K. Srivastava, 20<sup>th</sup> Annual International Conference of the Society of Operations Management held at ABV-IITM Gwalior, Gwalior, India, December 22 – 24, 2016.
10. “Supply Chain Coordination Mechanism for Three-tier Supply Chain” with R. Gupta and S. Kumar, 20<sup>th</sup> Annual International Conference of the Society of Operations Management held at ABV-IITM Gwalior, Gwalior, India, December 22 – 24, 2016.
11. “Setting of Optimal Retail Price and Return Product Acquisition Price in Closed Loop Supply Chain” with A. Raj and S. K. Srivastava, 20<sup>th</sup> Annual International Conference of the Society of Operations Management held at ABV-IITM Gwalior, Gwalior, India, December 22 – 24, 2016.
12. “A Comparative Analysis of Different Recollection Strategies for a Closed Loop Supply Chain” with A. Adhikari, P. Basu, and A. Mateen, International Conference on E-Business and Supply Chain Competitiveness held at IIT Kharagpur, Kharagpur, India, February 12 – 14, 2016.
13. “An Analytical Model for Identifying Optimal Locations for Intermodal Transportation” with S. Basu, A. Adhikari, and P. Basu, 19<sup>th</sup> Annual International Conference of the Society of Operations Management held at IIM Calcutta, Calcutta, India, December 11 – 13, 2015.
14. “A Coordination Strategy for a Socially Responsible Supply Chain” with A. Adhikari and A. Mateen, 19<sup>th</sup> Annual International Conference of the Society of Operations Management held at IIM Calcutta, Calcutta, India, December, 11-13, 2015.
15. “Supply Contracts for the Limited Clearance Sale Inventory Model” with B. Avittathur, 17<sup>th</sup> British-French-German Conference on Optimization held at London, U.K., June 15 – 17, 2015.
16. “Influence of market share and information asymmetry on supply contracts for a single supplier multiple buyer network” with B. Avittathur, NITIE – POMS Conference held at Mumbai, India, December 18 – 21, 2014.
17. “Managing dynamic constraint on a shop floor: A D-B-R approach” with D. More, 15<sup>th</sup> Annual International Conference of the Society of Operations Management held at IIM Calcutta, Calcutta, India, December 17-19, 2012.

*Paper accepted for Doctoral Colloquium/ Consortium:*

1. “Analysis of firm investments in cyber security using Stackelberg game” with B. Biswas and A. Mukhopadhyay, 7<sup>th</sup> IDRBT Doctoral Colloquium, Hyderabad, India, December 01, 2017 (the paper was awarded Third Prize in the colloquium).
2. “Investment strategies of attacker, defender, and vendor in a multi-period IT security game” with B. Biswas and A. Mukhopadhyay, 23<sup>rd</sup> Americas Conference on Information Systems (AMCIS) Doctoral Consortium, Boston, USA, August 10 – 12, 2017.

#### *Working Papers*

1. “Channel Coordination of a Risk-Averse Supply Chain: Mean-Variance Approach” with A. Adhikari and B. Biswas, August 2015, available at SSRN.
2. “Coordinating Contract a Closed Loop Supply Chain under Different Recollection Strategies” with A. Adhikari, P. Basu, and A. Mateen, IIMC working paper no WPS-768, August, 2015.
3. “Channel Coordination using Option Contract under simultaneous price and inventory competition” with B. Avittathur, IIMC working paper no WPS-767, July, 2015.
4. “The price-setting newsvendor model with variable salvage value” with B. Avittathur, IIMC working paper no WPS-753, September, 2014.
5. “The variable salvage value newsvendor model and its impact on supply contracts” with B. Avittathur, IIMC working paper no WPS-752, August, 2014.
6. “Impact of Structure, Market Share and Information Asymmetry on Supply Contracts for a Single Supplier Multiple Buyer Network” with B. Avittathur, IIMC working paper no WPS-743, March, 2014.

#### **Awards**

1. Awarded ‘Best Operations Elective’ for Supply Chain Analytics & Strategy course at IIM Lucknow for academic year 2017 – 18, March 2018.
2. Conferred ‘Certificate of Outstanding Contribution in Reviewing’ by European Journal of Operational Research (EJOR) in cooperation with Association of European Operational Research Societies (EURO), January 2017.
3. Conferred ‘Recognized Reviewer’ status by International Journal of Production Economics, July 2017.
4. First Prize in the 23<sup>rd</sup> CEEMAN Case Writing Competition in partnership with Emerald Publishing, 2017.
5. Nominated with 100% scholarship for CEEMAN’s International Management Teachers Academy program to be held at Bled, Slovenia, June 2018.
6. Conferred ‘Recognized Reviewer’ status by European Journal of Operational Research (EJOR) in cooperation with Association of European Operational Research Societies (EURO), August 2016.
7. First Prize in the category Inclusive Business Model at the Case Competition organized by European Foundation for Management Development, 2013.
8. First Prize in the Global Case Competition organized by Indian School of Business, Hyderabad and Richard Ivey School, Western Ontario, 2012.
9. First Prize among 32<sup>nd</sup> Batch Management Trainees at Hindustan Aeronautics Limited for excellence in yearlong training module, 2010.