

1. **Name:** Dr Sudarshan Bardhan
2. **Designation:** Assistant Professor
3. **Department :** Mathematics
4. **Contact Address:** Department of Mathematics, Kanchrapara College, 24 Pgs(N), Pin- 743145
5. **Email:** sudarshan@kpcoll.ac.in
6. **Highest Qualification:** Ph.D.
(*Title of the Thesis: Studies on the issue of Supply Chain Coordination under different contracts*)
7. a) **Teaching Experience:**



Designation	Institution	From	To
Assistant Professor	Kanchrapara College	22.07.2019	Till date
Assistant Professor	Krishnagar Women's College	18.03.2017	20.07.2019
Assistant Professor	Haldia Institute of Technology	09.07.2015	17.03.2017

b) **Research Experience:**

Designation	Institution	From	To
Senior Research Fellow	Department of Mathematics,	04.03.2012	03.03.2015
Junior Research Fellow	Jadavpur University	04.03.2010	03.03.2012

8. **Area of Research:** Inventory Control, Supply chain management
9. **List of Publications:** International Journal-

SI	Title	Journal	Authors	Publisher
1	Coordinating a three-level supply chain with effort and price dependent stochastic demand under random yield	Annals of Operations Research (2021), Volume 307, Issue 1, Pages 175-206. <i>SCI, Impact factor 4.820</i>	Bibhas Chandra Giri, Joyanta Kumar Majhi, Sudarshan Bardhan, Kripasindhu Chaudhuri	Springer
2	Consignment stock policy in an integrated vendor-buyer model for deteriorating item with stock dependent demand under buyer's space limitation	RAIRO: Operations Research, (2021), Volume 55, Pages S1425-S1446. <i>SCIE, Impact factor 2.526</i>	Nabin Sen, Sudarshan Bardhan and Bibhas Chandra Giri	EDP sciences
3	Effectiveness of consignment stock policy under space limitations and deterioration	International Journal of Production Research (2021), Volume 59, Issue 6, Pages 1834-1851, <i>SCI, Impact factor 9.018</i>	Nabin Sen, Sudarshan Bardhan and Bibhas Chandra Giri	Taylor and Francis
4	Optimal production time and preservation technology investment for seasonal deteriorating products with a generalised ramp-type demand	International Journal of Mathematics in Operational Research (2021), Volume 20, Issue 1, Pages 123-148	Haimanti Pal, Sudarshan Bardhan, Bibhas Chandra Giri	Inderscience
5	Optimal replenishment policy and preservation technology investment for a non-instantaneous deteriorating item with stock-dependent demand	Operational Research (2019), Volume 19, Issue 2, Pages 347-368. <i>SCIE, Impact factor 2.708</i>	Sudarshan Bardhan, Haimanti Pal, Bibhas Chandra Giri	Springer
6	Optimal replenishment policy for non-instantaneously perishable items with preservation technology and random deterioration start time	International Journal of Management Science and Engineering Management (2018), Volume 13, Issue 3, Pages 188-199	Haimanti Pal, Sudarshan Bardhan, Bibhas Chandra Giri	Taylor and Francis
7	Sub-supply chain coordination in a three-layer chain under demand uncertainty and random yield in production	International Journal of Production Economics (2017), Volume 191, Pages 66-73. <i>SCIE, Impact factor 11.251</i>	Bibhas Chandra Giri and Sudarshan Bardhan	Elsevier
8	Coordinating a two-echelon supply chain with environmentally aware consumers	International Journal of Management Science and Engineering Management (2016), Volume 11, Issue 3, Pages 178-185	Bibhas Chandra Giri and Sudarshan Bardhan	Taylor and Francis

9	Coordinating a three-layer supply chain with uncertain demand and random yield	International Journal of Production Research (2016), Volume 54, Issue 8, Pages 2499-2518. <i>SCI, Impact factor 9.018</i>	Bibhas Chandra Giri, Sudarshan Bardhan and Tarun Maiti	Taylor and Francis
10	Coordinating a two-echelon supply chain with price and inventory level dependent demand, time dependent holding cost, and partial backlogging	International Journal of Mathematics in Operational Research (2016), Volume 8, Issue 4, Pages 406-423	Bibhas Chandra Giri and Sudarshan Bardhan	Inderscience
11	Coordinating a supply chain under uncertain demand and random yield in presence of supply disruption	International Journal of Production Research (2015), Volume 53, Issue 16, Pages 5070-5084. <i>SCI, Impact factor 9.018</i>	Bibhas Chandra Giri and Sudarshan Bardhan	Taylor and Francis
12	A vendor-buyer JELS model with stock-dependent demand and consigned inventory under buyer's space constraint	Operational Research (2015), Volume 15, Issue 1, Pages 79-93. <i>SCIE, Impact factor 2.708</i>	Bibhas Chandra Giri and Sudarshan Bardhan	Springer
13	Coordinating a two-echelon supply chain with price and promotional effort dependent demand	International Journal of Operational Research (2015), Volume 23, Issue 2, Pages 181-199	Bibhas Chandra Giri, Sudarshan Bardhan and Tarun Maiti	Inderscience
14	Note on "Coordinating the ordering and advertising policies for a single-period commodity in a two-level supply chain"	Computers & Industrial Engineering (2014), Volume 77, Pages 11-14. <i>SCI, Impact factor 7.18</i>	Bibhas Chandra Giri and Sudarshan Bardhan	Elsevier
15	Coordinating a supply chain with backup supplier through buyback contract under supply disruption and uncertain demand	International Journal of Systems Science: Operations & Logistics (2014), Volume 1, Issue 4, Pages 193-204. <i>SCIE, Impact factor 9.04</i>	Bibhas Chandra Giri and Sudarshan Bardhan	Taylor and Francis
16	Coordinating a two-echelon supply chain through different contracts under price and promotional effort-dependent demand	Journal of Systems Science and Systems Engineering (2013), Volume 22, Issue 3, Pages 295-318. <i>SCIE, Impact factor 1.265</i>	Bibhas Chandra Giri, Sudarshan Bardhan and Tarun Maiti	Springer
17	Supply chain coordination for a deteriorating item with stock and price-dependent demand under revenue sharing contract	International Transactions in Operational Research (2012), Volume 19, Issue 5, pages 753-768. <i>SCIE, Impact factor 3.61</i>	Bibhas Chandra Giri and Sudarshan Bardhan	Wiley
18	Coordinating a two-echelon supply chain under inflation and time value of money	International Journal of Industrial Engineering Computations (2011), Volume 2, Issue 4, Pages 811-818. <i>SCIE, Impact factor 3.271</i>	Bibhas Chandra Giri and Sudarshan Bardhan	Growing Science

10. Paper presentation in Conferences:

Sl	Title of the conference	Organized at	Type	Dates
1	18 th International Mathematics Conference	Independent University, Bangladesh	International	20-22 March 2014
2	National Conference on Non-linear dynamics, Analysis and Optimization	Jadavpur University	National	9-10 January 2014
3	Symposium on recent trends and emerging applications of Mathematical Sciences	NIT Rourkela	National	16-17 May 2013
4	XVI Annual international conference of the Society of Operations Management	IIT Delhi	International	21-23 December 2012
5	National seminar on Mathematical	Achhruram Memorial	National	1-2 March 2012

	modeling and Numerical simulation of Physical Phenomena	College, Purulia		
6	Operations Research for sustainable development in globalized environment	Calcutta Business School, Joka	International	6-8 January 2012
7	Biennial International Supply Chain Management Conference	IIM Bangalore	International	7-8 January 2011

11. **Ph.D. guidance:**

Name of the Scholar	Title of the thesis	Co-guide	Registered at	Status
Nabin Sen	Study of Consignment Stock policy in Integrated Vendor-Buyer model under different scenarios	Professor Bibhas Chandra Giri	Jadavpur University	Degree awarded on 26.09.2022
Haimanti Pal	Studies of some Inventory Control systems with Preservation Technology Investment			Degree awarded on 30.12.2019

12. **Details of OP/RC/Workshop attended:**

Sl	Program	Organized by	Date
1	Short term course in Research Methodology for Basic Sciences	North Eastern Hill University	14-20 February 2023
2	Short term course for Academic Administrators	North Eastern Hill University	30 Nov-6 December 2022
3	Short term course on Leadership Management	Himachal Pradesh University, Shimla	25-30 October 2021
4	Faculty Induction Program	University of North Bengal	4 Jan-2 Feb 2021
5	Refresher Course in Mathematics and Statistics	Panjabi University, Patiala	16-28 November 2020
6	Short term course in Student Counseling and Mentoring	University of Kerala	20-26 August 2020
7	National workshop on Mathematical Analysis	Mizoram University	7-8 March 2013
8	National Workshop on Inventory and Transportation	Banasthali University, Rajasthan	15-18 March 2012
9	National Workshop on Inventory Modelling	Banasthali University, Rajasthan	4-7 March 2011

Sudarshan Baidhen.

