



Dr Sudhansu Khanra

E-mail: s_khanra@tmv.ac.in

Profile URL :

<https://vidwan.inflibnet.ac.in/profile/218115>

Orcid Id: 0000-0002-1974-9375

Phone: , 8910256109

Address: Purba Medinipur ,West Bengal,India - 721636

Expertise

Mathematics

Inventory Management and supply Chain Management

Work experience

1. Tamralipta Mahavidyalaya 2014 — Present

Associate Professor
Medinipur East

2. Tamralipta Mahavidyalaya 2011 — 2014

Assistant Professor (Grade-III)
Medinipur East

3. Tamralipta Mahavidyalaya 2006 — 2011

Assistant Professor (Grade-II)
Medinipur East

4. Tamralipta Mahavidyalaya 2002 — 2006

Assistant Professor (Grade-I)
Medinipur East

Education

1. Ph.D. - 2006

Jadavpur University

Honours and Awards

1. senior Research Fellowship - 2002

UGC

2. Junior Research Fellowship - 2000

UGC

Research Project

Some Problems In Inventory Management: Using Operations Research Techniques

Role: Investigator of Minor Research Project
Year 2006, Amount 35000.00

Membership In Professional Bodies

1. Operational Research Society of India , 2008

Life member

Membership In Committees

1. Governing Body Member of Rabindra Bharati Mahavidyalaya, 2012

University Nominee

2. Board of Studies In Mathematics(UG), 2012

Publication

- 1. An EOQ model for seasonal product with ramp-type time and stock dependent demand, shortage and partial backorder**
Prokash Mondal, Pritha Das and Sudhansu Khanra
<https://www.inderscienceonline.com/journal/ijmor>, Volume 27, Year 2024, Pages 393-417
- 2. Determination of optimal price and quantity in a two-echelon supply chain model with promotional effort and feedback effect in stochastic scenario**
Ghosh S.K.;Pathak C.;Khanra S.
Expert Systems with Applications, Volume 214, Year 2023
- 3. Determination of optimal price and quantity in a socially responsible two-echelon two-channel supply chain model**
Ghosh S.K.;Pathak C.;Mukherjee S.;Khanra S.
International Journal of Procurement Management, Volume 16, Year 2023, Pages 352-375
- 4. A three-layer supply chain integrated production-inventory model with idle cost and batch shipment policy**
S Khanra, SK Ghosh, C Pathak
Sustainability Analytics and Modeling, Volume 2, Year 2022, Pages 100011
- 5. A THREE ECHELON SUPPLY CHAIN MODEL WITH STOCHASTIC DEMAND DEPENDENT ON PRICE, QUALITY AND ENERGY REDUCTION**
Pathak C.;Mukherjee S.;Ghosh S.K.;Khanra S.
Journal of Industrial and Management Optimization, Volume 18, Year 2022, Pages 2959-2975
- 6. Advance sustainable inventory management through advertisement and trade-credit policy**
Mandal B.;Dey B.K.;Khanra S.;Sarkar B.
RAIRO - Operations Research, Volume 55, Year 2021, Pages 261-284
- 7. Development of some mathematical models in inventory control**
Mandal, Buddhadev and Sarkar, Biswajit and Khanra, Sudhansu
, Year 2018
- 8. Channel Coordination Among a Manufacturer and a Retailer in Two-Layer Supply Chain**
Ghosh S.;Khanra S.
International Journal of Applied and Computational Mathematics, Volume 4, Year 2018
- 9. AN ORDER LEVEL INVENTORY MODEL FOR A PERISHABLE ITEM WITH NON-**

LINEAR HOLDING COST AND STOCK DEPENDENT DEMAND

Khanra, S and Chaudhuri, KS
, Year 2016

10. **A Comparative Study Between Inventory Followed by Shortages and Shortages Followed by Inventory Under Trade-Credit Policy**

Khanra S.;Mandal B.;Sarkar B.

International Journal of Applied and Computational Mathematics, Volume 1, Year 2015, Pages 399-426

11. **EOQ Models For Perishable Item With Variable Demand Incorporating Reduction Rate Of Selling Price**

S.K. Ghosh, K. S. Chaudhuri, S. Khanra

International Journal of Computer & Mathematical Sciences, Volume 4, Year 2015, Pages 15--27

12. **EOQ MODELS FOR PERISHABLE ITEM WITH VARIABLE DEMAND RATE INCORPORATING REDUCTION RATE OF SELLING PRICE**

Khanra, S and Ghosh, SK and Chaudhuri, KS
, Year 2015

13. **An inventory model with time dependent demand and shortages under trade credit policy**

Khanra S.;Mandal B.;Sarkar B.

Economic Modelling, Volume 35, Year 2013, Pages 349-355

14. **On an EOQ model with SFI policy for a time quadratic demand**

Khanra S.;Chaudhuri K.

International Journal of Operational Research, Volume 10, Year 2011, Pages 257-276

15. **A production-inventory model for a deteriorating item with shortage and time-dependent demand**

Khanra S.;Chaudhuri K.

Yugoslav Journal of Operations Research, Volume 21, Year 2011, Pages 29-45

16. **An EOQ model for a deteriorating item with time dependent quadratic demand under permissible delay in payment**

Khanra S.;Ghosh S.;Chaudhuri K.

Applied Mathematics and Computation, Volume 218, Year 2011, Pages 1-9

17. **An EOQ model for a deteriorating item with time-varying demand and time-dependent partial backlogging**

Ghosh S.K.;Khanra S.;Chaudhuri K.S.

International Journal of Mathematics in Operational Research, Volume 3, Year 2011, Pages 264-279

18. **An inventory model for a deteriorating item with two levels of storage and stock-dependent demand**

Ghosh S.K.;Khanra S.;Chaudhuri K.S.

International Journal of Mathematics in Operational Research, Volume 3, Year 2011, Pages 186-197

19. Optimal price and lot size determination for a perishable product under conditions of finite production, partial backordering and lost sale

Ghosh S.;Khanra S.;Chaudhuri K.

Applied Mathematics and Computation, Volume 217, Year 2011, Pages 6047-6053

20. An EOQ model for perishable item with stock and price dependent demand rate

Khanra S.;Sana S.S.;Chaudhuri K.

International Journal of Mathematics in Operational Research, Volume 2, Year 2010, Pages 320-335

21. A note on an order-level inventory model for a deteriorating item with time-dependent quadratic demand

Khanra S.;Chaudhuri K.

Computers and Operations Research, Volume 30, Year 2003, Pages 1901-1916