

Information Regarding Research & Publications

Number of publications:

Sl. No.	Name of the faculty	International Journal	National Journal	Conference	Books	Books Chapter
1	Dr. Pinki Majumder	18	00	International: 03 National: 00	00	00

Publication Details: Dr. Pinki Majumder

2023

1. A Tarafdar, P Majumder, M Deb, UK Bera, “Application of a q-rung orthopair hesitant fuzzy aggregated Type-3 fuzzy logic in the characterization of performance-emission profile of a single cylinder CI-engine operating with hydrogen in dual fuel mode”, in Journal of **Energy** **2023**, pages 126-751

2022

2. A Singh, P Majumder, UK Bera, “Prediction of polypropylene business strategy for a petrochemical plant using a technique for order preference by similarity to an ideal solution-based artificial neural network” in Journal of Polymer Engineering & Science, volume 64 (4), pages 1096-1113 (2022)

2021

3. Bijoy Krishna Debnath, Pinki Majumder and Uttam Kumar Bera, A FEPQ model of sustainable model of sustainable items with time and stock dependent demand under trade credit policy, International Journal of Operation Research, vol. 41,27-52,2021.

2020

4. An EPQ model of substitutable products under trade credit policy with stock dependent and random substitution OPSEARCH , Vol-57, 1205-1243,2020.

2019

5. Multi-objective Sustainable Fuzzy Economic Production Quantity (SFEPQ) Model with Demand as Type-2 Fuzzy Number: A Fuzzy Differential Equation Approach Hacettepe Journal of Mathematics and Statistics, SCIE, 48 (1), 112-139, 2019.
6. An EPQ Model Of Deteriorating Substitute Items Under Trade Credit Policy, International Journal Of Operational Research, Scopus, 34 (2), 161-212 ,2019.

2018

7. Inventory Model With Demand As Type-2 Fuzzy Number: A Fuzzy Differential Equation Approach, Iranian Journal Of Fuzzy Systems, SCIE Journal, I.F 0.534, 15 (1), 1-24, 2018.
8. Two Ware-House Inventory Models Of Breakable Items With Stock Dependent Demand Under Trade Credit Policy With Respect To Both Supplier And Retailer, International Journal Of Logistics Systems And Management, Scopus, 31 (2), 151-166, 2018

2017

9. An Application Of Genetic Algorithms In Inventory Management, International Journal Of Science And Innovative Engineering & Technology, Vol 1, 1-4, 2017.

2016

10. A Multi-Item EPQ Model With Imperfect Production Process For Time Varying Demand With Shortages, Hacettepe Journal Of Mathematics And Statistics, SCIE Journal, I.F0.433, Vol 45(3), 929-955, 2016.
11. An EPQ Model For Two-Warehouse In Unremitting Release Pattern With Two-Level Trade Credit Period Concerning Both Supplier And Retailer, Applied Mathematics And Computation, SCI Journal, I.F-1.738, Vol 274, 430-458, 2016.
12. Application Of Artificial Intelligence (AI) In Characterization Of The Performance Emission Profile Of A Single Cylinder CI Engine Operating With Hydrogen In Dual Fuel Mode: An ANN Approach With Fuzzy-Logic Based Topology Optimization, International Journal Of Hydrogen Energy, SCI Journal, I.F-3.582 , Vol- 41(32), 14330-14350, 2016.

13. Application Of Generalized Hukuhara Derivative Approach In An Economic Production Quantity Model With Partial Trade Credit Policy Under Fuzzy Environment, Operations Research Perspectives, Scopus, Vol 3 ,77–91,2016

2015

14. A Deterministic Inventory Model With Weibull Deterioration Rate Under Trade Credit Period In Demand Declining Market And Allowable Shortage Using Fuzzy Logic, Scientific Bulletin-Series D, Scopus, Vol 77(2),279-292, 2015.
15. An EPQ Model Of Deteriorating Items Under Partial Trade Credit Financing And Demand Declining Market In Crisp And Fuzzy Environment, Procedia Computer Science, Elsevier, Scopus, Vol-45, 780-789,2015.

2014

16. An EPQ Model For A Deteriorating Item With Inflation Reduced Selling Price And Demand With Immediate Part Payment, Hacettepe Journal Of Mathematics And Statistics, SCIE Journal, I.F-0.433, Vol 43(4),641-659,2014.

2013

17. A Deterministic Inventory Model For Deteriorating Items With Time Dependent Demand And Allowable Shortage Under Trade Credit, Published In International Journal On Current Science & Technology, Vol 1,197-206,2013.
18. An EPQ-Based Inventory Model For Deteriorating Items Under Stock-Dependent Demand With Immediate Part Payment, Journal Of Applied Mathematics And Physics, Vol. 1,No. 4,25-30,2013

International Conferences:

1. D Ghosh, P Majumder, UK Bera, “Economic Order Quantity Model of Deteriorating Items Under Trade Credit Policy: A Game Theoretical Approach”, in 2022 IEEE 7th International conference for Convergence in Technology (I2CT), 1-6 (2022)
2. S Ankur, P Majumder, UK Bera, S Biswas, “A co-operative game theoretical strategy of Vendor and Buyer in an EPQ model of deteriorating items under trade credit policy”, in 2022 IEEE Region 10 Symposium (TENSYP), 1-6 (2022)
3. An Inventory Model For Deteriorating Items With Two Credit Period In Fuzzy Environment, Rough Sets, Fuzzy Sets And Soft Computing,163-176,Narosa Publishers,2015.

List of PhD Awarded:

Sl. No.	Name	Title of the Thesis	Year	Supervisor
1	Bijoy Krishna Debnath	Some Inventory Models in Type-2 fuzzy environment: A fuzzy Differential Equation Approach	2019	Dr. Uttam kumar Bera & Dr Pinki Majumder

