Information Regarding Research &Publications

Number of publications:

Sl. No	Name of the faculty	International Journal	National Journal	Conference	Books/ Books Chapter
1	**Dr. Uttam Kumar Bera**	92	00	00	03

Publication Details: Dr. Uttam Kumar Bera

2021

1. Akash Singh; Amrit Das; Uttam Kumar Bera; Gyu M. Lee, Prediction of transportation costs using trapezoidal neutrosophic fuzzy analytic hierarchy process and artificial neural networks, IEEE Access, DOI: 10.1109/ACCESS.2021.3098657, IF 3.367, 2021.

2. A. Tarafdar, A.J.Mondal, U.K.Bera and B.K.Bhattacharya, "A PVT Aware Differential Delay Circuit and its Performance Variation due to Power Supply Noise", Integration,SCI, IF:1.214, Vol. 76, 2021, 159-171.

3. Bijoy Krishna Debnath, PinkiMajumder, Uttam Kumar Bera,A FEPQ model of sustainable items with time and stock dependent demand under trade credit policy, IJOR, DOI: 10.1504/IJOR.2021.10026495,2021.

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4. DeepshikhaSarma, Amrit Das, Pankaj Dutta, Uttam Kumar Bera, "A cost minimization resource allocation model for disaster relief operations with an information crowdsourcing-based MCDM approach", IEEE Transactions on Engineering Management, SCI, IF 2.784, DOI: 10.1109/TEM.2020.3015775, September, 2020.

5. Nilabhra Paul, DeepshikhaSarma, AkashSinghandUttam Kumar Bera, A Generalized Neutrosophic Solid Transportation Model with Insufficient Supply,*Neutrosophic Sets and Systems*, *35*, 177-187, 2020.

6. A. Singh, D. Sarma and UK Bera, Rough-interval in a two-stage solid transportation problems and its solution, International Journal of Logistics Systems and Management, doi.org/10.1504/IJLSM.2020.106256
7. A. Tarafdar, U K Bera, B K Bhattacharyya, A Majumder, "Mathematical Understanding of a Data Reconstruction Methodology in Point-to-point Interconnect",IEEE VLSI Circuits and Systems Letter, Vol. 6, Issue 1, Feb 2020.

8. Akash Singh DeepshikhaSarmaandUttam Kumar Bera, Rough-interval in a two-stage solid transportation problems and its solution, IJLSM, https://doi.org/10.1504/IJLSM.2020.106256,

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9. Deepshikha Sharma, Amrit Das, Ibrahim M. Hezam and Uttam Kumar Bera, Redistribution for cost minimization in disaster management under uncertainty with trapezoidal neutrosophic number, Computer in Industry , SCI, IF:3.954, Accepted, 2019.

10. DeepshikhaSarma, Uttam Kumar Bera, AmritDas,Uncertain demand estimation with optimization of time and cost using Facebook disaster map in emergency relief operation, Applied Soft Computing, SCI, IF 5.472,doi.org/10.1016/j.asoc.2019.105992,2019

11. DeepshikhaSarma, Amrit Das, Uttam Kumar Bera,An optimal redistribution plan considering aftermath disruption in disaster management,Soft Computing, SCI, IF: 3.050,Accepted on 2 Aug 2019.

12. DeepshikhaSarma, Uttam Kumar Bera, Amrit Das, A mathematical model for resource allocation in emergency situations with the co-operation of NGOs under uncertainty, Computers & Industrial Engineering, IF 4.1345, https://doi.org/10.1016/j.cie.2019.106000,Vol. 137, November 2019, 106000.

13. DipanjanaSengupta, Amrit Das, Anirban Dutta, Uttam Kumar Bera, A carbon emission optimization model with reduction method of type-2 zigzag uncertain variable, Neural Computing and Applications, SCI, I.F. 4.774, doi:10.1007/s00521-018-3811-8, 2019.

14. Amrit Das, Uttam Kumar Bera and Manoranjan, A Solid Transportation Problem in Uncertain Environment Involving Type-2 Fuzzy Variable, Neural Computing and Applications, SCI, I.F. 4.774 , https://doi.org/10.1007/s00521-018-03988-8, 2019.

15. AbhijitBaidya&Uttam Kumar Bera, 2019. "New model for addressing supply chain and transport safety for disaster relief operations," Annals of Operations Research, IF 2.583, SCI, Springer, vol. 283(1), pages 33-69, 2019.
16. B. K. DEBNATH, P. MAJUMDER, U. K. BERA, 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, Vol. 48(1), (2019), 1-28 SCIE indexing

17. AayushSingha Roy, DipankarBose, U.K.Bera, Assessment of residential institute foodservice using Kano categorization and importance–performance analysis, The TQM Journal, Vol. 32 No. 3, pp. 401-428. https://doi.org/10.1108/TQM-09-2019-0232.

18. DeepshikhaSarma ; Amrit Das ; Uttam Kumar Bera , A debris removal plan for emergency response minimizing cost and time under Neutrosophic environment, 2019 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE),2019, 10.1109/FUZZ-IEEE.2019.8858986.

19. Nilabhra Paul ; DeepshikhaSarma ; Uttam Kumar Bera, A Neutrosophic Solid Transportation Model with Insufficient Supply, 2019 IEEE Region 10 Symposium (TENSYMP), 10.1109/TENSYMP46218.2019.8971130,2019.

20. Dipanjana Sengupta, Amrit Das, Anirban Dutta, Uttam Kumar Bera, A Fixed Charge Solid Transportation Problem with Possibility and Expected Value Approaches in Hybrid Uncertain Environment, ICITAM 2019: Recent Advances in Intelligent Information Systems and Applied Mathematics pp 182-193

21. Deepshikha Sarm, Amrit Da, Uttam Kumar Bera, Akash Singh, Uncertain Demand Allocation with Insufficient Resource in Disaster by Using Facebook Disaster Map Under Limited Fund, ICITAM 2019: Recent Advances in Intelligent Information Systems and Applied Mathematics pp 567-578, 2019.

22. Deepshikha Sarma, Amrit Das, Uttam Kumar Bera, Generalized Type-2 Intuitionistic Fuzzy Approaches for Allocation and Redistribution of Resources in the Disaster Operation, ICITAM 2019: Recent Advances in Intelligent Information Systems and Applied Mathematics pp 327-341,2019.

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26. B.K. **Debnath**, P Majumder, UK Bera,Inventory model with demand as type-2 fuzzy number: a fuzzy differential equation approach, Iranian Journal of Fuzzy system, Vol15, No.1, 1-24,2018.

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29. Amrit Das, Uttam Kumar Bera and ManoranjanMaiti,Defuzzification and application of trapezoidal type-2 fuzzy variables to green solid transportation problem, Soft Computing, doi.org/10.1007/s00500-017-2491-0, available online from 30 January 2017, I.F. 3.050, SCI.

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BOOKS/ BOOKCHAPTER PUBLISHED

1. A Bi-Objective Solid Transportation Model Under Uncertain Environment, Chapter no.-20, 261-275, Facets of Uncertainties and Applications, Springer Publication, 2013.

2. Review on optimal control problems for Bio-Mathematics in uncertain environment, Chapter no.-13, 165-171, Recent Trends in Bio-Mathematical Modeling under Uncertain Environment, Narosa Publishing House, 2016.

3. Reduction of Type-2 Lognormal Uncertain Variable and its Application to a Two stageSolid Transportation Problem, Accepted for book chapter publication at Operation Research and Optimization-FOTA, Springer series,2017.

List of Ph.D Awarded:

Sl. No.	Name	Title of the Thesis	Year	Supervisor
1	AbhijitBaidya	On some transportation problems in different environments	2015	Dr. Uttam Kumar Bera&Prof. ManoranjanMaiti, VU
2	PinkiMajumder	Some inventory problemsin different environment	2015	Dr. Uttam Kumar Bera&Prof. ManoranjanMaiti, VU
3	Poulomi De	Some Aspects on numerical solutions of Heat and Mass Transfer problems in nanofluids	2016	Dr. UttamkumarBera&Dr. HironmoyMondal
4	Amrit Das	Study on STPs in imprecise and uncertain environment	2016	Dr. UttamkumarBera
5	Sangita Das	Some numerical studies on closed cavities	2016	Dr. Paritosh Bhattacharya &Dr. UttamkumarBera
6	Bijoy Krishna Debnath	Some Inventory Models in Type-2 fuzzy environment: A fuzzy Differential Equation Approach	2019	Dr. UttamkumarBera&DrPinkiMajumder
7	Deepshika Sharma	Mathematical Modeling of Disaster Response Operation	2020	Dr. UttamkumarBera
8	DipanjanaSengupta	Study of STP model in type-2 fuzzy environment	2020	Dr. UttamkumarBera & Dr. Anirban Dutta