

BIO-DATA of DR. UTTAM KUMAR BERA

1. Name and full correspondence address Dr. UTTAM KUMAR BERA
(IEEE Senior Member),
Associate Prof., Department of Mathematics,
NIT Agartala, Tripura(W) , PIN-799046
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M: +91 9436767279
3. Institution: National Institute of Technology Agartala
4. Date of Birth: 12/03/1978
5. Gender (M/F/T): M
6. Category Gen/SC/ST/OBC: Gen
7. Whether differently abled (Yes/No): No
8. Academic Qualification (Undergraduate Onwards)
9. Google Scholar information:

Citations	810
h-index	19
i10-index	30

13.

	Degree	Year	Subject	University/Institution	% of marks
1	Madhyamick	1994	Beng.,Eng.,Math., Phy. Sc. etc	WBBSE	70.55
2	H.S	1996	Phy., Chem, Math., Biology, etc	WBBHSE	60.00
3.	B. Sc. (Hon.)	1999	Mathematics	Vidyasagar University	51.75
4.	M. Sc. (Applied Math.)	2001	Applied Mathematics Spl. Paper: Operations Research	Vidyasagar University	65.3
5.	Ph. D. in Applied Math.	2008	Inventory Control	Vidyasagar University	–
6	Visiting Professor	12-24 Oct., 2013	Research	Tsinghua University, China.	

14. Ph.D. thesis title, Guide's Name, Institute/Organization/University, Year of Award.

“ON SOME INVENTORY PROBLEMS WITH DIFFERENT TYPES OF DEMAND

PROF.(DR.) MANORANJAN MAITI, Vidyasagar University , Vidyasagar University, 2008.

15. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Lecturer	Bitm, Santiniketan	September,2003	January, 2007	8,000-275-13,500
2	Sr. Lecturer	Bitm, Santiniketan	Feb.,2007	December,2008	10,000-325-14,000
3	Assistant Professor	Bitm, Santiniketan	January, 2009	August,2010	12,000-420-18,300
4	Associate Professor	NIT Agartala	September, 2010	Till Date	37,400-67,000 AGP:9000

5	Associate Professor	NIT Agartala	27.12.2017	Till Date	139600-0-211300 AGP:9500
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16. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

Sl. No	Name of Award	Awarding Agency	Year
1	UGC Fellowship	UGC	2002
2	ITS	SERB(Rs. 165000)	2019
3	Conference Grand	SERB(Rs.200000)	2020
4	Conference Grand	CSIR(Rs.50000)	2020
5	Best teacher award	Bitm, Santiniketan	2009
6	Visiting Professor	Tsinghua University, Beijing, China for 15 days	2013
7	Certificate of participation	NIT Surat	2008
8	Certificate of participation	NITTTR, Calcutta	2004
9	Certificate of participation	Camellia School of Business, Kolkata	2009
10	Certificate of participation	Vidyasagar University	2011
11	Certificate of participation	NIT Agartala	2011
12	Certificate of participation	NIT Agartala	2011
13	Certificate of participation	NIT Agartala	2011
14	Certificate of participation	Techno India , SaltLake	2012
15	Certificate of participation	Techno India , SaltLake	2012
16	Certificate of participation	NIT Agartala	2012
17	Certificate of participation	NIT Agartala	2013
18	Certificate of participation	NIT Agartala	2013
19	Certificate of participation	NIT Arunachal Pradesh	2013
20	Certificate of participation	NIT Rourkela	2013
21	Certificate of participation	Rajasthan college of engineering for	2013
22	Certificate of participation	NIT Agartala	2014
23	Certificate of participation	IIM UDAIPUR	2015
24	Certificate of participation	NIT AGARTALA	2015
25	Certificate of participation	NIT AGARTALA	2016
26	Certificate of participation	NIT AGARTALA	2016
27	Certificate of participation	NIT Goa	2016
28	Certificate of participation	NIT AGARTALA	2016

17. Publications (*List of papers published in SCI Journals*).

S.N	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Amrit Das, Uttam Kumar Bera and Manoranjan Maiti	A Profit Maximizing Solid Transportation Model under Rough Interval Approach	IEEE Transaction on Fuzzy System, SCIE, IF: 12.029	Vol.25, no 3,	485-49	2016
2	Deepshikha Sarma, Amrit Das , Pankaj Dutta and 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, SCIE, IF 6.146	DOI: 10.1109/TEM.2020.3015775	1 - 21	2020

3	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, IF 3.367 , DOI:10.1109/ACCESS.2021.3098657,	9	103497 - 103512	2021
4	Deepshikha Sarma, Amrit Das and Uttam Kumar Bera	Uncertain demand estimation with optimization of time and cost using Facebook disaster map in emergency relief operation	Applied Soft Computing, SCIE, IF 5.472	https://doi.org/10.1016/j.asoc.2019.105992		2019
5	Deepshikha Sarma, Amrit Das and Uttam Kumar Bera	A mathematical model for resource allocation in emergency situations with the co-operation of NGOs under uncertainty	Computers & Industrial Engineering, SCIE, IF: 4.1345	137		November 2019
6	Deepshikha Sarma, Amrit Das, Uttam Kumar Bera ,	An optimal redistribution plan considering aftermath disruption in disaster management	Soft Computing, SCIE, IF: 3.050	24 (1),	65-82,	2020.
7	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, SCIE, IF: 3.954	109	226-238	2019
8	Amrit Das, Uttam Kumar Bera and Manoranjan	Defuzzification and application of trapezoidal type-2 fuzzy variables to green solid transportation problem,	Soft Computing, SCIE, I.F. 3.050	22(7)	2275–2297	2018

9	Dipanjana Sengupta, 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, SCIE , I.F. 4.774	doi:10.1007/s00521-018-3811-8		2019
10	Amrit Das, Uttam Kumar Bera and Manoranjan	A Solid Transportation Problem in Uncertain Environment Involving Type-2 Fuzzy Variable	Neural Computing and Applications, SCIE , I.F. 4.774	https://doi.org/10.1007/s00521-018-03988-8		2019
11	Dipanjana Sengupta, Amrit Das and Uttam Kumar Bera	A gamma type-2 defuzzication method for solving a solid transportation problem considering carbon emission	Applied Intelligence, SCIE , IF 3.325	Accepted on 03.03.18		2018
12	A.Baidya and Uttam Kumar Bera	New model for addressing supply chain and transport safety for disaster relief operations	Annals of Operations Research, SCI , IF. 2.583	Accepted on 25 January 2018		2018
13	B.K.Debnath, P.Majumder, Uttam Kumar Bera and M. Maiti,	Inventory Model with demand as Type-2 Fuzzy Number: A Fuzzy Differential Equation Approach	Iranian Journal of Fuzzy Systems, SCIE , IF. 2.276	Volume 15, Issue 1,	1-24	2018
14	Amrit Das , Barun Das and Uttam Kumar Bera .	A Solid Transportation Problem with Mixed Constraint in Different Environment	Journal of Applied Analysis and Computation, SCI , IF 1.116	6	179-195	2016
15	Amrit Das, Uttam Kumar Bera and Manoranjan Maiti	A breakable multi-item multi stage solid transportation problem under budget with Gaussian type-2 fuzzy parameters	Applied Intelligence, SCI , IF 3.325	45	923–951	2016
16	Amrit Das, Uttam Kumar Bera and Manoranjan Maiti	Defuzzification of trapezoidal type-2 fuzzy variables and its application to solid transportation problem	Journal of Intelligent and Fuzzy Systems, SCIE , I.F-1.851	30	2431–2445	2016

17	P. Majumder, Uttam Kumar Bera and M. Maiti	An EPQ model for two-warehouse in unremitting release pattern with two level trade credit period concerning both supplied and retailer	Applied Mathematics and Computation , SCIE , I.F-3.472 ,	274,	430-458	2016
18	A. Baidya, Uttam Kumar Bera and M.Maiti,	Multi-Stage Multi-Objective Solid Transportation Problem for Disaster Response Operation with Type-2 Triangular Fuzzy Variables	Hacettepe Journal of Mathematics and Statistics, SCI , I.F-0.433	Doi: 10.15672/HJMS.201611915992		2016
19	P. Majumder, Uttam Kumar Bera and M. Maiti	A Multi-item EPQ model with imperfect production process for time varying demand with shortages	Hacettepe Journal of Mathematics and Statistics, SCI , I.F-0.433	Doi 10.15672/HJMS.20157812124,		2015
20	Poulomi De, Hiranmoy Mondal and Uttam Kumar Bera	Dual solutions of heat and mass transfer of nano fluid over a stretching/shrinking sheet with thermal radiation	Meccanica, SCI , SCI , IF: 2.153 ,	DOI 10.1007/s11012-015-0205-1		2015
21	P. Majumder, Uttam Kumar Bera and M. Maiti	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 , I.F-0.433	vol 43(4),	641-659	2014
22	M.K.Maity, Uttam Kumar Bera and M. Maiti	Inventory model with fuzzy lead-time and dynamic demand over finite time horizon using multi-objective genetic algorithm	Computers and Mathematics with Applications, Elsevier Publisher, SCIE , IF:3.370 ,	Vol. 64. No.6,	1822-1838	2012.
23	M.Rong, N.K.Mahapatra, Uttam Kumar Bera and M.Maiti,	A multi-item mixture inventory model involving random lead time and demand with budget constraint and surprise function	Applied Mathematical Modelling, Elsevier Publisher, SCI , IF:3.633 ,	33, No.3	4337-4344	2009.

24	Bijoy Krishna Debnath, Pinki Majumder, Uttam Kumar 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, SCI, IF-0.433	48(1)	112 - 139	2019
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18. Detail of patents:

S.N	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
01	A SENSOR-BASED OPTIMAL WATER SELECTION SYSTEM FOR CROP CULTIVATION	Dr.Mrinmoy Majumder, Dr. Uttam Kumar Bera, Dr. Tilotama Chakraborty, Mr. Tanmoy Ghosal	.2022310240 78 A	20.05.22	National	Published

19. Books/Reports/Chapters/General articles etc. : NA

S.No	Title	Author's Name	Publisher	Year of Publication
01	A Bi-Objective Solid Transportation Model Under Uncertain Environment,	Dipanjana Sengupta, Amrit Das and U K Bera	Chapter no.-20, 261-275, Facet s of Uncertainties and Applications , Springer Publication	2013
02	Review on optimal control problems for Bio-Mathematics in uncertain environment,	JN Roul, UK Bera, S Kar, M Maiti	Chapter no.-13, 165-171, Recent Trends in Bio-Mathematical Modeling Under Uncertain Environment, House,	2016
03	Reduction of Type-2 Lognormal Uncertain Variable and its Application to a Two- stage Solid	Dipanjana Sengupta, Amrit Das and U K Bera	Operation Research and Optimization-FOTA, Springer series	2017

16. Research Project:

Sl. No.	Sponsoring Agency	Title of the Projects	Period	Amount	Status
1	AICTE	Modernization of Computer Laboratory(MODROBS)	April 2012 To March 2013	10.00 Lacks	Completed. Principle Investigator
2	DST	Transportation Problems for breakable/deteriorating items under constraints in Uncertain Environment.	April, 2015 To March, 2018	15.61 Lacks	Completed. Principle Investigator
3	BRNS	Spatial distribution of uranium and associated water quality parameters of all districts of Tripura	21.01.19-20.01.21	26.30 Lakhs	Co- Principle Investigator
4	AICTE, NPIU	Modelling of Green Logistic under different uncertain environment using soft computing	2019-2020	05.37 Lakhs	Co- Principle Investigator
5	CSIR	Nonlinear plasma wave dynamics in unbounded planar or bounded nonplanar geometry.	2019-2022	14.11 Lakhs	Co- Principle Investigator
6	DST	DST-FIST	2016-2021	49 Lakhs	Principle Investigator
7	DST	DST-STUTI	2022-2025	2.24 Cr per annum for 3 years	Principle Investigator

17. PG and UG Project Completed / ongoing

Sl. No	Title of the Thesis Supervised	Name of the student	Completed/ongoing (Year)	UG/PG	Principal or Co-Supervisor
1	Study on Multi-objective Multi-item Transportation Problem	Amrit Das	2012	PG	Principal
2	Solution of an Inventory Problem via Geometric programming approach	Suman Pal	2012	PG	Principal
3	Application of Grey number on deterministic Inventory model	Jhulanashwer Baidya	2013	PG	Principal
4	A study of interval Type-2 fuzzy sets and its application in Transportation Problem	Bimal Sinha	2014	PG	Principal
5	On intuitionistic fuzzy soft set and its application	Rajib Saha	2015	PG	Principal
6	Study of carbon emission in Transportation Problem	Akash Singh	2016	PG	Principal, Co-supervisor: Dr. B. Bhattacharya
7	Sustainable economic production quantity models for inventory systems with shortage	Suman Paul	2016	PG	Principal
8	To study the causes of unemployment using pentagonal fuzzy cognitive maps	Nayan Saha	2017	PG	Principal
9	A Flow of Herschel-Bulkley Fluid Through an Inclined Tube of Non-uniform Crosssection With Three Stenoses	Prakrati Kushwah	2017 running	PG	Principal, Co-supervisor: Dr. A. baidya
10	Study of time varying network	Suman Debnath	2017 running	PG	Principal
11	A data driven approach to predict diabetes machine learning	Satarupa Bhowmik	2020	PG	Principal
12	Study of intuitionistic fuzzy number and its application in inventory problem	Ruma Begam	2019	PG	Principal
13	A new approach to defuzzification method for type-2 fuzzy variables and its application to transportation problem	Saptadeep Biswas	2018	PG	Principal
14	Study of Vehicle Routing Problem	Saptadeep Biswas	2017	UG	Principal

15	Study of Vehicle Routing Problem Considering Time Windows	Rupam Das	2017	UG	Principal
16	Study of solid transportation problems and their solution technique	Nilabhra Paul	2018	UG	Principal
17	Study of solid transportation models in neutrosophic environments	Nilabhra Paul	2019	PG	Principal
18	A study for error detection and correction of back propagation neural network	Akash Roy	2018	UG	Principal
19	A study for learning and training of back propagation neural network	Akash Roy	2018	UG	Principal
20	Study of vehicle routing problem	Mahesh Rathor	2017	UG	Principal
21	Study of vehicle routing problem	Mahesh Rathor	2018	PG	Principal
22	A Study of artificial intelligence	Payal Malakar	2020	PG	Principal
23	Study of KANO-QFD model for categorizon customer needs in hostel foodservice.	Ayus Singha Roy	2019	UG	Principal
24	Study of basic inventory control models	Akash Sarkar	2020	UG	Principal
25	A study of genetic algorithm and its application in real life	Haridarshan Kumar	2020	UG	Principal

Ph.D. Student Continuing:

Sl. N o.	Name of the student	Year of registrat ion	Title of Dissertation	Status/ Principal or Co-Supervisor
1	Mr. Abhijit Baidya	2011	On some transportation problem with different environments	Awarded, 2015 Principal Supervisor
2	Mrs. Pinki Mazumder	2011	Some inventory problem of delay in payment with different environments	Awarded, 2015 Principal Supervisor
3	Miss. Poulomi De	2012	Some Aspects of Heat and Mass Transfer in Viscous Flow of Nano Fluid over a Non-linear Stretching Sheet	Awarded, 2016 Principal Supervisor
4	Amrit Das	2013	Study on STP in imprecise and uncertain environment	Awarded, 2016 Principal Supervisor
5	Miss. Sangita Das	2012	Some numerical studies on closed cavities	Awarded, 2017 Co-Supervisor
6	Bejoy Krishna Debnath	2016	Study of some inventory problem in uncertain environment	Awarded, 2019, Principal Supervisor , Ongoing
7	Dipanjana Sengupta	2017	Effect of Carbon emission in STP	Principal Supervisor, Awarded, July 2020

8	Deepshikha Sarma	2017	Modeling of disaster response operation	Principal Supervisor , Awarded., December, 2020
9	Akash Singh	2018	Development and modification of some hybrid algorithm	Principal Supervisor , Ongoing
10	Anirban Trafadar	2018	Study of Chimera Stage in Nural Oscillation	Principal Supervisor , Ongoing
11	Jayanta Saha	2020	Study of Transportation Problem in neutrosophic environment	Principal Supervisor , Ongoing
12	Saptadeep Biswas, DST-Inspire fellow	2021	Mathematical modeling of disaster response operation	Principal Supervisor , Ongoing

Administrative responsibility:

Sl. No.	From	to	Position hold	Responsibility
1	22.03.2021	12.12.2021	Chief Warden, NIT Agartala	All the issues related to Student
2	30.08.16	30.9.18	Chairman, DPC, Math., NIT Agartala	Departmental purchase
3	15.01.18	Till date	Chairman, DPC, Dean(SW) office, NIT Agartala	Departmental purchase
4	November, 2016	Till date	Associate Dean(SW), NIT Agartala	All the issues related to Student
5	03.01.11	11.07.16	HOD, Department of Mathematics, NIT Agartala	All responsibility of HOD, Chairman DPPC
6	14.11.2009	25.08.2010	Dean(Exam.) I/C, BITM, Santiniketan	All responsibility of Dean(Exam.) I/C
7	2004	2007	HOD, Mathematics, BITM, Santiniketan	All responsibility of HOD

Country Visited:

No.	Name of the Country	Year of visit	Duration of visit	Purpose of visit
1	China	2013	12.10.13-25.10.13	Int. Conference
2	Singapore	2015	25.01.15-28.01.15	Int. Conference
3	Glasgow, Scotland	2015	12.07.15-15.07.16	EURO-2015, Int. Conference
4	Dubai, AEU	2017	11.08.17-14.08.17	ISCBI-17, an IEEE conference
5	Dhaka, Bangladesh	2017	21.12.17-22.12.17	IEEE R10 HTC conference

6	New Orleans, USA	2019	23.06.19- 26.06.19	FUZZ-IEEE 2019 Sponsored by SERB,DST Travel grand of Rs. 1,65,000/-
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Details of journal publication:

- International journal: **93(Including 27 SCI / SCIE)**
- International/National conference/ Workshop attended: **29 (15 IEEE conference paper)**

Publication Details: Dr. Uttam Kumar Bera

2022

- Bijoy Krishna Debnath, Pinki Majumder, Uttam Kumar Bera, "EOQ model in uncertain environment by using generalized intuitionistic fuzzy Laplace transformation", accepted, IJLSM,2022.
- Deepanjali Ghosh, Pinki Majumder and Uttam Kumar Bera, Economic Order Quantity Model Of Deteriorating Items Under Trade Credit Policy : A Game Theoretical approach, accepted at IEEE 7th I2CT 2022.
- Suresh ankur, Pinki Majumder and Uttam Kumar Bera, A Co-Operative Game Theoretical Strategy of Vendor and Buyer in an EPQ Model of Deteriorating Items Under Trade Credit Policy, accepted at TENSYP2022, IEEE CONFERENCE
- Kamana Mishra, Saptadeep Biswas and Uttam Kumar Bera, Solution of stochastic transportation problem involving multi-choice constraints of exponential distribution using Lagrange's interpolation, accepted at IEEE 7th I2CT 2022.
- Akash Singh; Pinki Majumder and Uttam Kumar 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, Polymer engineering and Science, **SCIE**, <https://doi.org/10.1002/pen.25909>

2021

- 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, **SCIE**, DOI: [10.1109/ACCESS.2021.3098657](https://doi.org/10.1109/ACCESS.2021.3098657), **IF 3.367**, 2021
- 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, **SCIE**, **IF:1.214**, Vol. 76, 2021, 159-171.
- Bijoy Krishna Debnath, Pinki Majumder, 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](https://doi.org/10.1504/IJOR.2021.10026495),2021.

2020

- Deepshikha Sarma, 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, **SCIE**, **IF 6.146**, DOI: [10.1109/TEM.2020.3015775](https://doi.org/10.1109/TEM.2020.3015775), September, 2020.
- Nilabhra Paul, Deepshikha Sarma, Akash Singh and Uttam Kumar Bera, A Generalized Neutrosophic Solid Transportation Model with Insufficient Supply, *Neutrosophic Sets and Systems*, 35, 177-187, 2020.

3. 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
4. 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.

2019

5. 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 , **SCIE**, IF:3.954, Accepted, 2019.
6. Deepshikha Sarma, Uttam Kumar Bera, Amrit Das, Uncertain demand estimation with optimization of time and cost using Facebook disaster map in emergency relief operation, Applied Soft Computing, **SCIE**, IF 5.472,doi.org/10.1016/j.asoc.2019.105992,2019
7. Deepshikha Sarma, Amrit Das, Uttam Kumar Bera, An optimal redistribution plan considering aftermath disruption in disaster management, Soft Computing, **SCIE**, IF: 3.050,Accepted on 2 Aug 2019.
8. Deepshikha Sarma, 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, **SCIE**, IF 4.1345, https://doi.org/10.1016/j.cie.2019.106000,Vol. 137, November 2019, 106000.
9. Dipanjana Sengupta, 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, **SCIE**, I.F. 4.774, doi:10.1007/s00521-018-3811-8, 2019.
10. Amrit Das, Uttam Kumar Bera and Manoranjan, A Solid Transportation Problem in Uncertain Environment Involving Type-2 Fuzzy Variable, Neural Computing and Applications, **SCIE**, I.F. 4.774 , https://doi.org/10.1007/s00521-018-03988-8, 2019.
11. Abhijit Baidya & Uttam Kumar Bera, 2019. "New model for addressing supply chain and transport safety for disaster relief operations," Annals of Operations Research, IF 2.583, **SCIE**, Springer, vol. 283(1), pages 33-69, 2019.

12. 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
13. Aayush Singha Roy, Dipankar Bose, 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>.
14. Deepshikha Sarma ; 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.
15. Nilabhra Paul ; Deepshikha Sarma ; Uttam Kumar Bera, A Neutrosophic Solid Transportation Model with Insufficient Supply, 2019 IEEE Region 10 Symposium (TENSYP), 10.1109/TENSYP46218.2019.8971130,2019.
16. 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
17. 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.
18. 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.
19. Suman Debnath, Abhijit Baidya and Uttam Kumar Bera, “Solid Transportation Problem and Disaster Relief Operation”, Journal of Tripura Mathematical Society, Vol.20, pp 135-146, 2019.

2018

20. Dipanjana Sengupta, Amrit Das and U K Bera, A gamma type-2 defuzzication method for solving a solid transportation problem considering carbon emission, Applied Intelligence, **SCIE**,IF 3.325,Accepted on 03.03.18, 2018.

21. 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, **SCIE**, Vol15, No.1, 1-24,2018.
22. BK **Debnath**, P Majumder, UK Bera, Two warehouse inventory models of breakable items with stock dependent demand under trade credit policy with respect to both supplier and retailer, Vol.31, no 2, DOI: 10.1504/IJLSM.2018.094934, 2018.
23. Deepshikha Sarma ; Amrit Das ; Uttam Kumar Bera, A Bi-Objective Relief Response Solid Transportation Model: Humanitarian Aid, 2018 4th International Conference for Convergence in Technology (I2CT), 10.1109/I2CT42659.2018.9057970.

2017

24. 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, **SCIE**.
25. D Sarma, UK Bera, A Singh, A multi-objective post-disaster relief logistic model, IEEE region 10 HTC conference at Bangladesh, 2017.
26. Dipanjana Sengupta ; Uttam Kumar Bera ; Anirban Datta ; Amrit Das, Reduction method of zigzag type-2 uncertain variable and its application in two stage STP, 2017 5th International Symposium on Computational and Business Intelligence (ISCBI), 10.1109/ISCBI.2017.8053561, 2017
27. Akash Singh ; Uttam Kumar Bera ; Dipanjana Sengupta ; Anirban Datta ; Amrit Das, Defuzzification method of type-2 gamma fuzzy variables and its application to transportation problem, 2017 5th International Symposium on Computational and Business Intelligence (ISCBI), 10.1109/ISCBI.2017.8053562, IEEE explore.
28. A. Singh, D. Sarma and UK Bera , Two stages post-disaster humanitarian logistics, 2017 IEEE Region 10 Humanitarian Technology Conference (R10-HTC), 10.1109/R10-HTC.2017.8288952.
29. B. K. DEBNATH, P. MAJUMDER, U. K. BERA, An EPQ Model of Sustainable Item With Time Dependent Quadratic Demand under Trade Credit Policy, Association of Engineers, Vol. 87, No. 3-4 (2017) 9-21.

2016

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Any other information:

- i) **IEEE Senior Membership number: 93894047** and set-up an IEEE student branch at NIT Agartala.
- ii) Life Member of Calcutta Mathematical Society, Calcutta, membership no. LB/94.
- iii) Life Member of Operation Research Society of India, membership no. 0980/U/12/ML.
- iv) Member of ISTE, India.
- v) West Bengal University of Technology, WB nominated Officer-in-Charge four times in BITM, Santiniketan.
- vi) West Bengal Joint Entrance Board, WB nominated Center-in-Charge in 2010 of BITM, Santiniketan.
- vii) Center-in-Charge, BITM Center, Primary Requirement of Birbhum District in 2010.
- viii) Received Jointly “**Best Teacher Award**” of BITM in the session 2008-2009 given by **Prof. C.T.Bhunia**, Director, BITM, Santiniketan(**Ex-Director, NIT Arunachal Pradesh**) with cash prize Rs. 5000.00 and Certificate.
- ix) Received **Best Paper Award** in IEEE sponsored International conference on Knowledge Collaboration in Engineering at Kathir College of Engg., Coimbatore.
- x) Received **UGC scholarship** from UGC project “Development of fuzzy and rough techniques and their application to inventory and production problems” in the Dept. of Applied Mathematics, Vidyasagar University from 2002-2003.
- xi) Two courses designed at NIT Agartala which are 2 years M.Sc.(Math.) and 5 years BS-MS(Mathematics and Computing) programme.
- xii) Lab set up in the Dept of mathematics at NIT Agartala.
- xiii) **Under my leadership two GIAN(MHRD) proposal has been submitted.**
- xiv) **One SPARK proposal has been submitted.**
- xv) **One Indo-Koria JNC project submitted.**
- xvi) Organized as a **co-cordinator** of a national workshop on “Recent advances in Bioinformatics” during 07-08th August,2015 funded by DBT and Institute fund
- xvii) Will act as a **coordinator** of a 3 days workshop on “Recent advances of Soft Computing Technique” during 29-31 January, 16

- xviii) Will act as a **co-coordinator** of a 3 days' workshop on "Recent advances of Fluid dynamics" during 05-07 Feb., 16.
- xix) Act as a **resource person** of UGC sponsored National Seminar on "Recent Trend in Bio-Mathematical Modeling Under Uncertain Environment" during 11-12 September, 2015 at Mugberia Gangadhar Mahavidyala.
- xx) Act as a **resource person** of National Workshop on Applied Optimization" during March 16-17, 2013 at College of Engineering & Management, Kolaghat, West Bengal sponsored by TEQIP-II.
- xxi) Act as a **Chairman**, Departmental purchase committee.

