

Curriculum Vita



Name : DR. KALIPADA MAITY
Designation : Associate Professor in Mathematics
Date of Joining: 24.11.2006 (Permanent)
Date of Birth: 12. 11. 1978

Permanent Address C/o ARABINDA MAITY
Kashmuli, Porolda
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❖ **Present Address** Dept. Of Mathematics(UG & PG)
Mugberia Gangadhar Mahavidyalaya
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ACADEMIC QUALIFICATION

Course	M.P.	H.S.	B.Sc.	M.Sc.
Main Subjects Studied	Ban., Eng, Math, Phy. Life Sci, Hist., Geo.	Maths, Physics Chemistry	Mathematics(Hons.)	Mathematics. with Special paper : Operational Research
Institution	Porolda A. P. B. Mandir	Egra J.L. High School	Contai P.K. college	Vidyasagar University
Board/Univ ersity	W.B. B. S.E. West Bengal, India	W.B.C.H.S.E West Bengal, India	Vidyasagar University	Vidyasagar University
Year of Passing	1995	1997	2000	2002

Professional recognition, Awards, Project received:

- **Silver Medal for 2nd position in M.Sc. (Mathematics and) @ Vidyasagar University, November-2002.**

- **CSIR(NET) Scholarship** (Council of Scientific and Industrial Research; India) to pursue Ph.D degree in 2002.
- **GATE Exam. (Year 2003): Secured 33rd All India Rank with 97.47** percentile
- **Prof. M.N.Gopalan Award for best doctoral thesis** in International Conference on ‘Operational Research as Competitive Edge’, ORSI-2006 Convention, Heritage Institute of Technology, Kolkata, 5-7 January, 2007.
- **First Oral Presentation Award** in 4th Int. World Science Congress, 16-18 December, 2014.
- **Young Scientist Award 2015 on the eve of the 5th International Science Conference** held at the Post Graduate Institute of Medical Education & Research of Dr. Ram Manohar Lehia Hospital, New Delhi on 10-12 October, 2015 org. by The World Science Congress for extraordinary contribution in the noble cause of Research in Science.
- **Minor Research Project under UGC, Ref. No. F. PSW-062/07-08, SNO:86023 on 2008-2011(Complete).**
- **Minor Research Project : Ref. No. F. PSW- PSW-092, 12/13, SNO:214021, 5th feb. 2013-March,2015**
- **Major Research Project under WBDST : Ref. No.: 475(Sanc..)ST/P/S&P/16G-31/2018 Dated 15.03.2019.**
- **Life member of Operational research society of India, ID: 0997/K/13/ML**
- **Life member of World Science Congress : ID No. WSC9M.**
- **List of Ph.D Scholar under my co-guidance:**

S. N	Name of Scholar	Title of the Ph.D work	Name of Supervisor with Dept.	Status of Supervisor	Institute	Roll No.	Status of the work
1.	Dr. Samar Hazari	Some production inventory models in uncertain environment	Dr. Kalipada Maity, Mathematics	Co-Guide	NIT, Durgapur, W.B	NITD/PhD/MA/2011/00331	Completed, 2015
2.	Dr. Jotindra Nath Roul	On Some Optimal Control Problems in Uncertain Environment	Dr. Kalipada Maity, Mathematics	Co-Guide	NIT, Durgapur, W.B	NITD/PhD/MA/2013/00452	Completed 2019
3.	Dr. Anupam De	Some Biomathematical models in crisp and uncertain Environments	Dr. Kalipada Maity, Mathematics	Co-Guide	NIT, Durgapur, W.B	NITD/PhD/MA/2016/00706	Completed 2019
4.	Debnarayan Khatua	Modelling of Dynamical Inventory Control Problems Under Different Environments	Dr. Kalipada Maity	Co-Guide	NIT, Durgapur, W.B	16/MA/1503	Completed 2019

5.	Santu Hati	Optimal control Theory and its application in different environments.	Dr. Kalipada Maity	Guide	--		WBDST Fellowship (Ref. No.475(Sanc.)ST/P/S&P/16G/-31/2018 Dated 15.03.2019.
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Seminar Organization :

- Perform as a convener to three days International Webinar on “Mathematical modelling in the context of COVID-19” on 30th and 31st August, and 1st September 2020 Dept. of Mathematics, Mugberia Gangadhar Mahavidyalaya, on 30 & 31 July and 1st August 2020.
-
- Perform as a convener to a national level seminar on “**Information and Communication Technology (ICT) and systematic teaching learning: prospects and challenges in rural setup.**” IQAC, Mugberia Gangadhar Mahavidyalaya, on 4-5th December 2018.
- Perform as a convener to a national level seminar on “*Recent Trend in Bio-mathematical Modeling under Uncertain Environment*” Dept. of Mathematics, Mugberia Gangadhar Mahavidyalaya, on 11-12 September, 2015.
- Perform as a co-convener to a state level seminar on “Modern trends of mathematical application in mathematics, Physics, chemistry, bio-science and other system”, Dept. of Mathematics, Bajkul Milani Mahavidyalaya, Purba Medinipur, W.B., 21- 22 March -2014.

Details of professional training and research experience, specifying period.

- Ph.D work from Vidyasagar University, March, 2003 to 21 November 2006.
- UGC Sponsored ORIENTATION PROGRAM (OP-79) , July 06-August 01, 2009, University of Calcutta. W.B.
- UGC Sponsored REFRESHER COURSE, October 25-November 15, 2010, Jadavpur University, W.B.
- UGC Sponsored REFRESHER COURSE, 10, July-31, July, 2014, University of Calcutta, W.B.
- UGC Sponsored REFRESHER COURSE in “ICT”, 09.01.2018—29.01.2018, Ranchi University, Ranchi.

Any other information

Citation of Dr. Kalipada Maity

https://scholar.google.co.in/citations?hl=en&user=kmIA2PIAAAAJ&view_op=list_works

Cited by VIEW ALL

	All	Since 2017
Citations	1189	442
h-index	19	12
i10-index	33	15

- Co-ordinator of IQAC of our College since 2007.
- Co-ordinator of NAAC of our College since 2007.
- **Editorial Board Member:** Journal of Bacteriology and Vaccine Research since 2017
- Dr. K. Maity is also G.B member from 2016.
- Dr. K. Maity is the member of academic committee of our College.
- Dr. Maity is a question setter and examiner of Vidyasagar University.
- **Editorial Board Member:** Journal of Bacteriology and Vaccine Research
- Dr. K. Maity & Dr. Nabakumar Ghosh are members of BoS for M.Sc in Mathematics
- Dr. K. Maity is a visiting Professor of Mahisadal Rajcollege, Purba Medinipur

• SKILL PROFILE

- Operating Systems: Windows XP/98
- High Level Languages: F-77, C program.
- Algorithm Development: Matlab, Mathematica, GRG(Generalised Reduced Gradient) technique, GA(Genetic algorithm)

• RESEARCH AREA OF INTEREST

Production Inventory Control, Supply Chain Management, Uncertain Theory, Transportation Problem and Bio-Mathematics.

I hereby declare that all the information furnished above are true to best of my knowledge.

Kalipada Maity

Signature

e of the candidate

List of publications

Dr. Kalipada Maity
Assistant professor in Mathematics
Mugberia Gangadhar Mahavidyalaya
Bhupatinagar, Purba medinipur-721425, W.B.

List of published / accepted papers in peer review journals(Google scholar citation : <https://scholar.google.co.in/citations?user=kmIA2PIAAAAJ>)

List of Publication of research papers last five years:

1. Product process innovation model of fuzzy optimal control of nonlinear system with finite time horizon under granular differentiability concept, S Hati, K Maity, OPSEARCH, 1-23(2023).
2. Reliability Dependent Imperfect Production Inventory Optimal Control Fractional Order Model for Uncertain Environment Under Granular Differentiability, S Hati, K Maity
3. Fuzzy Information and Engineering, 1-28(2022)
4. Optimal Control of Complementary and Substitute Items in a Production System for Infinite Time Horizon, JN Roul, K Maity, S Kar, M Maiti, Engineering Mathematics and Computing, 117-141.
5. A fuzzy production inventory control model using granular differentiability approach D Khatua, K Maity, S Kar Soft Computing 25 (4)(2021), 2687-2701
6. Optimal time-dependent production policy under random time horizon JN Roul, K Maity, S Kar, M Maiti OPSEARCH 57 (2)(2020), 391-413.
7. Multi-item Optimal control problem with fuzzy costs and constraints using Fuzzy variational principle JN Roul, K Maity, S Kar, M Maiti RAIRO-Operations Research 53 (3)(2019), 1061-1082
8. A Fuzzy Optimal Control Inventory Model of Product–Process Innovation and Fuzzy Learning Effect in Finite Time Horizon D Khatua, K Maity, S Kar International Journal of Fuzzy Systems 21 (5)(2019),1560-1570
9. D. Khatua, **K.Maity**, S. Kar “ A Fuzzy Optimal Control Inventory Model of Product–Process Innovation and Fuzzy Learning Effect in Finite Time Horizon” International Journal of Fuzzy Systems (Springer)21 (5)(2019)1560-1570.

10. JN Roul, **K Maity**, S Kar, M Maiti, : “Multi-item Optimal control problem with fuzzy costs and constraints using Fuzzy variational principle”, RAIRO-Operations Research 53 (3)(2019)1061-1082
11. D Khatua, A De, **K Maity**, S Kar.: [Use of “e” and “g” operators to a fuzzy production inventory control model for substitute items](#), RAIRO-Operation Research 53 (2)(2019) 473-486
12. S. Pramanic, **K.Maity**, D.K.Jana. A multi-objective Solid Transportation Problem with reliability for damageable items in Random Fuzzy Environment, **Article in press** in International Journal of Operational Research (**Inderscience Publication**) **31(1)-1-32 (2018)**.
13. Pramanic, **K.Maity**, D.K.Jana. Multi-objective municipal solid waste management recycling problem in fuzzy-rough environment, International Journal of Process Management and Benchmarking, (**Inderscience Publication**) **8(4) (2018) 443-469**.
14. A. De, **K. Maity**, G. Panigrahi:: **Fish and broiler optimal harvesting models in imprecise environment:** [International Journal of Biomathematics](#) Vol. 10, No. 08, 1750115 (2017)
15. J. N. Roul, **K. Maity**, S. Kar, and M. Maiti. Optimal control Problem for an imperfect production process using fuzzy variational principle, Journal of Intelligent and Fuzzy Systems, 32(2017) 565-577.
16. D. Khatua, **K. Maity**. Research on relationship between economical profit and environmental pollution of imperfect production inventory control problem. Journal of the Nigerian Mathematical Society, 35(3):560-579 (2017).
17. D. Khatua, G. R. Mahapatra, **K. Maity** A Green Supply Chain Production Inventory Model with Uncertain Holding Cost, **Article in press** in International Journal of Process Management and Benchmarking (**Inderscience Publication**)**7(3):277-304 (2017)**.
- 18.
19. A. De, **K. Maity**, S. Jana, M. Maiti. Application of Various Control Strategies to Japanese Encephalitic: A Mathematical Study with Human, Pig and Mosquito. **Mathematical Bioscience**, 282 (2016) 46-60. (I.F.: 1.256) (Else viewer).
20. A. De, K. Maity, M. Maiti. An integrated project of Fish and Broiler: SIS model with optimal Harvesting. **International journal of Biomathematics**. 9(6) (2016)1650088-(1-29). DOI:10.1142/S1793524516500881.
21. D. Khatua, **K. Maity**. Research on relationship between economical profit and environmental pollution of imperfect production inventory control problem in fuzzy-rough environment. International Journal of Engineering Applied Sciences and Technology, 2016. 1(9)162-168.
22. D. K. Jana, B. Das, **K. Maity**: Fuzzy rough supply chain model under inflation and credit period with stock dependent consumption rate and partial backlogging shortage via

- genetic algorithm, International Journal of Computing Science and mathematics, 6(6)(2015) 555-580.
23. A. De, **K. Maity**, M. Maiti. Stability analysis of a combined project of fish, broiler and ducks: dynamical system in imprecise environment. International journal of Biomathematics. 8(5)(2015)1550067(1)-1550067(32)..(**World Scientific publication**)(I.F-0.654).(Corresponding Author).
 24. S.Hazari, **K.Maity**, J.Dey and S.Kar, Advertisement policy and reliability dependent imperfect production inventory control problem in bi-fuzzy environment, International Journal of Operational Research, 22(3)(2015)342-365. (**Inderscience Publication**).(Corresponding Author).
 25. J. N. Roul, **K. Maity**, S. Kar, and M. Maiti, Multi-item reliability dependent imperfect production inventory optimal control models with dynamic demand under uncertain resource constraint, Article in Press in International Journal of Production Research, **(Taylor & Francis)**(<http://dx.doi.org/10.1080/00207543.2015.1012601>)(I.F-1.323)(Corresponding Author).
 26. S.Mandal, **K.Maity**, S.Mondal and M.Maiti, Optimal production inventory problem in imprecise time period, International Journal of Operational Research,22(2)(2015) 216-242, (**Inderscience Publication**) (Corresponding Author).
 27. **K.Maity**, Advertisement policy, reliability dependent imperfect production and environmental pollution control problem in fuzzy-rough, International Journal of Uncertainty, Fuzziness and Knowledge-based systems, 22(6)(2014), 845-863. (**World Scientific publication , I.F.: 1.00**).
 28. D.K.Jana, **K.Maity**, T.K.Roy, M.Maiti, Numerical approach to an optimal production control problem in uncertain environment, International Journal of Uncertainty, Fuzziness and Knowledge-based systems, 22(1) (2014), 125-144. (**World Scientific publication , I.F.: 1.00**).
 29. S.Hazari, **K.Maity**, J.Dey and S.Kar. Three layers supply chain production inventory model under permissible delay in payments in imprecise environment, Advance modeling and optimization, 16(1) (2014), 165-183.
 30. S Hazari, J. K. Dey, **K Maity**, S.Kar, An Interactive Method for Two-plants Production Inventory Control with Two-Warehouse Facility under Imprecise Environment. International Journal of Computer Applications 96 (2014), 1-13. (**Foundation of Computer Science publication, I.F.: 0.856**) (Corresponding Author).
 31. D.K.Jana, **K.Maity**, M.Maiti, T.K.Roy, A Multi-objective Multi-Item Inventory Control Problem in Fuzzy-Rough Environment Using Soft Computing Techniques, Advances in Decision Sciences. 2014, 1-13.(**Hindawi Publishing Corporation**).

32. S Hazari, **K Maity**, J. K. Dey, S Kar, Optimal dynamic production and price for reliability-dependent imperfect production with inventory-level-dependent demand in uncertain environment, *Journal of Uncertainty Analysis and Applications* 2 (1),1-9(**Springer publication**) (Corresponding Author).
33. S. Pramanic, D.K.Jana, **K.Maity**, A multi objective solid transportation problem in fuzzy, bi-fuzzy environment via genetic algorithm, *International Journal of Advanced Operations Management*, 6(1)(2014), 4-26 (**Inderscience Publication**).
34. D.K.Jana, **K.Maity**, T.K.Roy. A Bi-fuzzy Production-Recycling-Disposal Inventory Problem with Environment Pollution Cost via Genetic Algorithm, *International Journal of Computer Applications* 61(22)(2013)1-10, (**Foundation of Computer Science publication, I.F.: 0.856**) (Corresponding Author).
35. D.K.Jana, **K.Maity**, T.K.Roy. A fuzzy simulation via contractive mapping genetic algorithm approach to an imprecise production inventory model under volume flexibility, *Journal of Simulation* 7(2013) 90-100, (**Palgrave Macmillan, I.F.: 0.86**) (Corresponding Author).
36. D.K.Jana, **K.Maity**, T.K.Roy. Multi-objective imperfect production inventory model in Fuzzy Rough environment via Genetic Algorithm, *International Journal of Operational Research*, 18 (4)(2013), 365-385, (**Inderscience Publication**) (Corresponding Author).
37. D.K.Jana, **K.Maity**, T.K.Roy, Multi-item production inventory model with Fuzzy Rough coefficients via Geometric programming approach, *Opsearch*, **50(4)(2013) 475-490.(Springer publication)**.
38. D.K.Jana, **K.Maity**, T.K.Roy, A two-warehouse EOQ model for deteriorating items and stock dependent demand under conditionally permissible delay in payment in imprecise environment, *Advanced Modeling and Optimization*, 15(2013)173-192, (**ITI Publication**).
39. D.K.Jana, **K.Maity**, T.K.Roy, A three layers supply chain integrated production inventory model under permissible delay in payments in uncertain environment, *Journal of Uncertainty Analysis and Applications*, 1(1)(2013),1-17. (**Springer publication**).
40. S.Mandal, A.K.Maity,**K.Maity**, S.mondal, M.Maiti. Multi-period optimal defective production problem with variable preparation time, *Opsearch* 49(2012), 237-252, (**Springer publication**).
41. S.Mandal, A.K.Maity, **K.Maity**. S.Mondal, M.Maiti. Multi-item multi-period optimal production problem with variable preparation time in fuzzy stochastic environment, *Applied Mathematical Modelling*, 35 (2011) 4341-4353,(**Elsevier, I.F.: 2.158**) (Corresponding Author).

42. **K.Maity**. Possibility and necessity representations of fuzzy inequality and its application to two warehouse production-inventory problem, *Applied Mathematical Modelling*, 35 (2011) 1252-1263(**Elsevier, I.F.: 2.158**) (Single Author)..
43. S.Mandal, **K.Maity**, S.Mondal, M.Maity. Optimal production inventory policy for defective items with fuzzy time period, *Applied Mathematical Modelling*, 34(2010)810-822, (**Elsevier, I.F.: 2.158**) (Corresponding Author).
44. **K.Maity**, M.Maity. Optimal inventory policies for deteriorating complementary and substitute items, *International Journal of Systems Science*, 40 (2009) 267-276, (**Taylor Francis, I.F.: 1.305**) (First Author).
45. A.K.Maity, **K.Maity**, S.Mondal. M.Maiti.. A Production-recycling-inventory model with learning effect, *Optimization & Engineering*, 10(2009)427-437, (**Springer publication, I.F.:0.48**) (Corresponding Author).
46. A.Roy. **K.Maity**, S.Kar, M.Maiti. A production-inventory model with remanufacturing for defective and usable items in fuzzy-environment, *Computers and Industrial Engineering*, 56 (2009) 87-96 , (**Elsevier, I.F.: 1.690**).
47. A.K.Maity, **K.Maity**, M.Maiti. Optimal remanufacturing control policy with defective items, *International Journal of Operational Research*, 6(2009) 500 - 518, (**Inderscience Publication**).
48. D.Panda, S.Kar, **K.Maity**, M.Maity. A single period inventory model with imperfect production and stochastic demand under chance and imprecise constraints, *European Journal of Operational Research*, 188(2008)121-139, (**Elsevier, I.F.: 2.038**).
49. **K.Maity**, M.Maiti. A numerical approach to a multi-objective optimal inventory control problem for deteriorating multi-items under fuzzy inflation and discounting, *Computers & Mathematics with Applications*, 55(2008) 1794-1807, (**Elsevier, I.F.: 2.069**) (First and Corresponding Author)..
50. A.K.Maity, **K.Maity**, M.Maiti. A production–recycling–inventory system with imprecise holding costs, *Applied Mathematical Modelling*,32(2008) 2241-2253, (**Elsevier, I.F.: 2.158**) (Corresponding Author)..
51. **K.Maity**. Possibility and necessity constraints and their uses in inventory control system, *International Journal of Operational Research*, 3(2008) 665-680, (**Inderscience Publication**) (Single Author).
52. U.K.Bera, **K.Maity**, M.Maiti. Production–remanufacturing control problem for defective item under possibility constrains, *International Journal of Operational Research*, 3(2008) 515 - 532, (**Inderscience Publication**).
53. **K.Maity**, M.Maiti. Possibility and necessity constraints and their defuzzification - a multi-item production -inventory scenario via optimal control theory, *European Journal of*

- Operational Research 177(2007) 882-896, (**Elsevier, I.F.: 2.038**) (First and Corresponding Author).
54. A.K.Maity, **K.Maity**, M.Maiti. A Chebyshev Approximation for solving optimal production inventory problem of deteriorating Multi-item, Mathematical and Computer Modeling , 45(2007) 149-161, (**Elsevier, I.F.: 2.020**).
 55. U.K.Bera, **K.Maity**, M.Maiti. Production Inventory Control for Assortment Items with Fuzzy Demand, Tamsui Oxford Journal of Mathematical Science, Vol. 23(2)(2007) 17-30.
 56. B.Das, **K.Maity**, M.Maiti. A Two Warehouse Supply-Chain Model Under Possibility / Necessity / Credibility Measures, Mathematical and Computer Modeling, 46(2007) 398-409, (**Elsevier, I.F.: 2.020**).
 57. **K.Maity**, M.Maiti. Necessity constraint in two plant optimal production problem with imprecise parameters, Information Sciences, 177(2007) 5739-5753, (**Elsevier, I.F.: 3.643**) (First and Corresponding Author).
 58. **K.Maity**, M.Maiti. Optimal production inventory system with shortages under multiple-criteria, International Journal of Industrial Engineering, U.S.A. 13(3), 2006(First and Corresponding Author)
 59. **K.Maity**, M.Maiti. Multi-item inventory control for a production system of deteriorating items with dynamic demand and shortages under inflation and discounting, A.M.S.E., France, 27(2)(2006) 43-56. (First and Corresponding Author)
 60. A.K. Maity, **K.Maity**, S.Mondal, M.Maiti. Two plant optimal production problem for deteriorating item in fuzzy environment via Genetic algorithm. Tamsui Oxford Journal of Management Science, Vol. 22(3)(2006) 15-30. (Corresponding Author)
 61. **56. K.Maity**, M.Maiti. Numerical approach of multi-objective optimal control problem in imprecise environment, Fuzzy Optimization and Decision Making, 4(4) (2005) 313-330(**Springer, I.F.: 1.488**) (First and Corresponding Author).
 62. **59. K.Maity**, M.Maiti. Production inventory system for deteriorating multi-item with inventory-dependent dynamic demands under inflation and discounting, Tamsui Oxford Journal of Management Science, Taiwan, 21(1) (2005) 1-18(First and Corresponding Author).
 63. **60. K.Maity**, M.Maiti. Inventory of deteriorating complementary and substitute items with stock dependent demand, American Journal of Mathematical and Management Science, 25(2005) 83-96, (**Taylor Francis**) (First and Corresponding Author).

List of book publication:

1. K. Maity: "Introduction to Differential Equations", **NAROSA, New Delhi, ISBN: 978-81-8487-590-4: 2017.**
2. K. Maity: "Recent Trend in Bio-mathematical Modeling under Uncertain Environment, **NAROSA, New Delhi, ISBN-978-81-8487-522-5, : 2016.**
3. D.K. Jana and **K. Maity**, "ADVANCED ENGINEERING NUMERICAL METHODS AND COMPUTER PROGRAMMING: *THEORY AND PRACTICAL*" in **Macmillan Publisher, ISBN-935-059-393-9, : 2013.**

List of book chapter publication:

1. D. Khatua, **K. Maity**: "Stability Analysis of a Dynamical System", In. K. Maity : "*Recent Trend in Bio-mathematical Modeling under Uncertain Environment, NAROSA, New Delhi, ISBN-978-81-8487-522-5, : 2016.*
2. A. De, **K. Maity**, M. Maiti: "A Combined Project of Fish, Broiler and Ducks Dynamical System with Interval Bio-logical Parameters" In K. Maity : "*Recent Trend in Bio-mathematical Modeling under Uncertain Environment, NAROSA, New Delhi, ISBN-978-81-8487-522-5, : 2016.*
3. **K. Maity**, "Several Intelligent Techniques to Solve Various Warehouse Problems in Uncertain Environment", In : C. Kahraman and S.Ç. Onar (eds.), Intelligent Techniques in Engineering Management, Intelligent Systems, **Springer, Heidelberg** (2015)(DOI 10.1007/978-3-319-17906-3_26, ISBN: 978-3-319-17905-6).
4. **K. Maity**, " A Supply-Chain Production Inventory Model with Warehouse Facilities Under Fuzzy Environmen", In: Kahraman, C, Oztaysi, B (eds.) Supply Chain Management Under Fuzziness, in vol. 312, pp. 517-551. **Springer, Heidelberg** (2014) DOI: 10.1007/978-3-642-53939-8-22, ISBN: 978-3-642-53938-1).
5. **K. Maity**: "*Study of infected bacterial ecosystem and it effect to nutrient*" In. S. Kar et al. "Modern trends of mathematical application in mathematics, Physics, chemistry, bio-science and other system", ISBN 978-93-84241-20-9 : 2015.
5. S. Hati & K. Maity: POLLUTION CONTROL MULTI-OBJECTIVE INVENTORY MODEL OF PRODUCT-PROCESS INNOVATION WITH STOCK DEPEND DEMAND AND GATHERING KNOWLEDGE ACCUMULATION IN FINITE TIME HORIZON, S Hati, K Maity CONTEMPORARY ISSUES IN BUSINESS AND ECONOMICS: VOLUME-1, 83(2022)

Conference published Papers

1. De, A., Maity, K., Panigrahi, G., Maiti, M. : Optimal Control of Dengue-Chikungunya Co-infection: A Mathematical Study, IFIP Advances in Information and Communication Technology, 2021, 623, pp. 291–302.
2. De, A., Khatua, D., Maity, K., Panigrahi, G., Maiti, M.: Stability Analysis of Imprecise Prey-Predator Model, IFIP Advances in Information and Communication Technology, 2021, 623, pp. 229–240.
3. Roul, J.N., Maity, K., Kar, S., Maiti, M.: A multi-item imperfect optimal production problem through chebyshev approximation, Studies in Computational Intelligence, 2020, 863 SCI, pp. 481–493.
4. Khatua, D., Samonto, E., Maity, K., Kar, S. : A single period fuzzy production inventory control model with exponential time and stock dependent fuzzy demand, Studies in Computational Intelligence, 2020, 863 SCI, pp. 403–413.

List of published paper in Int. Seminar /workshop:

- (i) D.Jana, K.Maity(2011). “Multi-item Fuzzy Rough Inventory Models Under Imprecises Space and Budgetary Constraints” , An International Workshop on Fuzzy Sets, Rough Sets, Uncertainty Analysis and applications NIT, Durgapur, 21-25, November, 2011.
- (ii) A supply –Chain Production Control Problem via Genetic Algorithm, IFORS, ICORD-V (2005) 276-282.

Invited Speaker in several International / state Level Seminar.

- (i) **On the eve of 2nd National Seminar on “Nanoscience and Nanotechnology, NSNN-2017”** on 17-18 March, 2017 org. by School of Applied Science & Humanities, Haldia Institute of Technology, Haldia, West Bengal. Title : “Optimal Control Theory and its recent applications”.
- (ii) **On the eve of the 5th International Science Conference** held at the Post Graduate Institute of Medical Education & Research of Dr. Ram Manohar Lehia Hospital, New Delhi on 10-12 October, 2015 org. by The World Science Congress. Title : “Multi Objective dynamic stochastic municipality solid waste management recycling problem in Fuzzy Rough Environment”.

- (iii) A state level seminar on “Modern trends of mathematical application in mathematics, Physics, chemistry, bio-science and other system”, Dept. of Mathematics, Bajkul Milani Mahavidyalaya, Purba Medinipur, W.B., 21- 22 March -2014. Title: “*Study of infected bacterial ecosystem and it effect to nutrient*”.

Paper Presentation in Seminar, Symposium, Workshops, Conference, etc.

- (i) UGC Sponsored National Conference on “Futuristic trends in applied & computational mathematics 2017(NCFTACM17)” on 29-30 March, 2017, Dept.of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, West Bengal, Titled”Stability of fuzzy dynamical systemquasi-level wise system”
- (ii) 4th Int. World Science Congress, 16-18 December, Jadavpur University, West Bengal, 2014(**Best Oral Presentation Award**) “Some optimal control technique in different environments”.
- (iii) 5-day national workshop on “Optimization and Fuzzy Mathematics”, Dept. of Mathematics, Vidyasagar University, W.B., 9 – 13 September, 2014.
- (iv) National Seminar on ”Recent aspects in mathematics and their application” , Dept. of Mathematics, Vidyasagar University, W.B., 25th -26th February 2014.
- (v) International Conference on “Operations Research for Data Analytics and Decision Analysis” Dept. of statistics, University of Kashmir, Srinagar, 19-23 October 2013.
- (vi) National Seminar on ”Recent Advances in Operations Research(NSRAOR-2012)”, Purash Kanti Haridas Nandi Mahavidyalaya, Howra, W.B., 2-3 August, 2012.
- (vii) State Level Workshop on ”C-Language & Its Application”, Kharagpur College, West Bengal, 28-30 March, 2012.
- (viii) National Seminar on “Role of Credit Co-operatives in Socio, Economic and Political Development in Rural India”, Gugberia Gangadhar Mahavidyalaya, Purba Medinipur, 24-25 February, 2012.
- (ix) Workshop on NAAC accreditation, Vidyasagar University, 18 December, 2012.
- (x) National seminar on System of Governance in Higher Education, Midnapur College, Paschim Medinipur. West Bengal, 8th December, 2012.
- (xi) An International Workshop on Fuzzy Sets, Rough Sets, Uncertainty Analysis and applications NIT, Durgapur, 21-25, November, 2011.
- (xii) A state level seminar in Zoology on “GLOBAL WARMING: CAUSES AND EFFECTS”, Mugberia Gangadhar Mahavidyalaya, 2011.
- (xiii) National Seminar on “Recent Reforms in Education in India: Trends and Challenges”, Tufanganj College, Cooch Behar, West Bengal, 1-2, October,

2010.

- (xiv) State level Seminar on “Special Economical Zone: Its Economics, Political & Concerns”, Mugberia Gangadhar Mahavidyalaya, West Bengal, 5th February, 2009.
- (xv) National Seminar on “Physical Education for Quality of life”, Mugberia Gangadhar Mahavidyalaya, West Bengal, 22-23 August, 2009.
- (xvi) Seminar on Special Economics Zone- Its Economics, Politics and concerns, Mugberia Gangadhar Mahavidyalaya, West Bengal, 5th February, 2009.
- (xvii) Seminar on Large Hadron Collider, Mugberia Gangadhar Mahavidyalaya, West Bengal, 18th January, 2008.
- (xviii) State level seminar on “Reservation and Discrimination in India through ages, Mugberia Gangadhar Mahavidyalaya, West Bengal, 8th January, 2008.
- (xix) National Seminar on Indian Scientific Heritage : Aryabhata to Harishchandra, Ramkrishna Mission Vivekananda University, Balur Math, 23-24 February, 2007.
- (xx) National Seminar on “Recent Advances in Operational Research and Related Computational Aspects”, University of Calcutta, 22-23 August, 2007.
- (xxi) Seminar on Emerging Trends in Computational and Applied mathematics, Mindapur Mathematical Society and Vidyasagar University, 31st January – 1st February, 2007.
- (xxii) International Conference on ‘Operational Research as Competitive Edge’, ORSI-2006 Convention, Heritage Institute of Technology, Kolkata, 5-7 January, 2007.
- (xxiii) A supply –Chain Production Control Problem via Genetic Algorithm, IFORS, ICORD-V (2005) 276-282.
- (xxiv) National Seminar on Recent Advances in Applied mathematics, Vidyasagar University, 18-19 March, 2004.
- (xxv) National Symposium on Optimization, Operations Research and Information, Kolkata, 3-4 December, 2003.

(xxvi) Fourteenth mathematical Conference of Bangladesh Mathematical Society, University of Dhaka, 27-29 December, 2003.

Referee for international journals

EJOR, AMM, FSS, Information Sciences, Int. journal of system science, FODM, AMC, JOS, CAIE, CMA, American Mathematical Society, International Journal of Production Research, Journal of the Nigerian Mathematical Society.

A handwritten signature in blue ink that reads "Kalipoda Mainly". The signature is written in a cursive style with a light blue background behind the text.

Signature of the candidate