

RESUME

Manisha Pal

Position : Professor
Department : Statistics
Organization : University of Calcutta, India
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Academic Background:

- Ph.D. (Statistics -1988): University of Calcutta, India
- M.Sc. (Statistics -1979; second in first class): University of Calcutta, India
- B.Sc. (Statistics Honours – 1977; third in first class): University of Calcutta, India
- Higher Secondary (School leaving Examination -1974; secured a rank among the top thirty in the Board): West Bengal Board of Secondary Education, India

Work Profile

1. Within India

- Lecturer (Assistant Professor) of Statistics – University of Calcutta: 1983 – 1994
- Reader (Associate Professor) in Statistics – University of Calcutta: 1994-2002
- Professor of Statistics – University of Calcutta: 2002 –
- Guest Professor of Statistics – Viswa Bharati University: 2005 - 2007
- Chairperson, Department of Statistics - University of Calcutta: October, 1997- September, 1999, July, 2016 –June 2018..
- Convener, Ph.D. Research Advisory Committee in Statistics, University of Calcutta

2. Outside India

- Visiting Professor - Stat/Math. Department, University of Maryland, Baltimore, USA: Spring 2001.

Academic Visits in India and Abroad

- Visited universities/institutes within India for collaborative research, series of lectures, and for active participation in workshops/ conferences/symposia as Resource Person / Organizer / Invited Speaker.
- Visited USA, UK, Bangladesh, Thailand for collaborative research, for attending Int'l Conferences as Invited Speaker/Session Chair, and to give seminars in University departments.

Research Publications

119 published/accepted papers in peer-reviewed international and national journals..

Teaching and Research Areas

Operations Research; Statistical Inference; Reliability Theory; Statistical Quality Management; Optimization Techniques; Design of Mixture Experiments.

Research Supervision

Presently supervising 3 Ph.D. students.

Other information

- Associated with professional bodies and other universities.
- Editor of the journal IAPQR Transactions
- Member, Editorial Board of Calcutta Statistical Association Bulletin. Was Editor (jointly with N. Mukhopadhyay, University of Connecticut, USA) of Special Volume of Calcutta Statistical Association Bulletin, 2009; was Managing Editor of Special Volume of Calcutta Statistical Association Bulletin, 2005; was Associate Editor of Sankhya Sr. B.
- Member, Editorial cum Advisory Board, Journal of Business Strategy, Finance and Management
- Member, Executive Council of the Society of Statistics, Computer and Applications.
- Vice-President, Calcutta Statistical Association.
- Council Member, Operational Research Society of India.
- Completed a project on “Optimum Regression Designs” (sponsored by University Grant’s Commission) as Principal investigator, and a project entitled “Correlation between 12-hrs. and 24-hrs. Creatinine Clearance” (grant received from LG Lifesciences and subsidized by AMRI Hospitals) as Co-Investigator.
- Done collaborative research with more than 20 collaborators in India and abroad.
- Reviewer of papers of reputed journals in India and abroad, like Journal of American Statistical Association, Statistical Papers, Journal of Applied Statistics, Communications in Statistics – Theory & Methods, Communications in Statistics – Simulation & Computation, Journal of Statistical Theory and Practice, Sankhya Sr. B, Indian Journal of Medical Research, Journal of Statistics & Applications, Computational Statistics and Data Analysis, Yugoslav Journal of Operations Research, to name a few

List of published papers since 2005

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|---|
| 1. Manisha Pal , M.Masoom Ali and J. Woo: Estimation and testing of $P(Y>X)$ in two-parameter exponential distributions – <i>Statistics</i> (2005), Vol. 39, No.5. |
| 2. M.Masoom Ali, Manisha Pal and J. Woo: Inference on $P(Y<X)$ in generalized uniform distributions – <i>Calcutta Statistical Association Bulletin</i> (2005), Vol.56, Nos. 221-222. |
| 3. Manisha Pal , M.Masoom Ali and J. Woo: Exponentiated Weibull distribution – <i>Statistica</i> (2006), Vol. LXVI, No.2. |

4. Manisha Pal and N.K. Mandal: Optimum mixture for the estimation of the slope of a response surface along component axes – <i>IAPQR Transactions</i> (2006), Vol. 31, No.2.
5. Manisha Pal and Sanjoy Kumar Ghosh: An inventory model with shortage and quantity dependent permissible delay in payment – <i>Australian Society of Operations Research Bulletin</i> (2006), Vol. 25, No. 3.
6. S.P. Mukherjee and Manisha Pal : Distribution of quality adjusted life – <i>Proceedings of the V International Symposium on Optimization in Statistics, December, 2002.</i> (Published in July 2006)
7. Manisha Pal and N.K. Mandal: Optimum designs for optimum mixtures – <i>Statistics and Probability Letters</i> (2006), Vol. 76, No. 13.
8. M.Masoom Ali, J. Woo and Manisha Pal : Distribution of the ratio of generalized uniform variates – <i>Pakistan Journal of Statistics</i> (2006), Vol. 22, No.1.
9. Manisha Pal and Sanjoy Kumar Ghosh: An inventory model for deteriorating items with quantity dependent permissible delay in payment and partial backlogging of shortage – <i>CSA Bulletin</i> (2007), Vol. 59, September & December.
10. S.P. Mukherjee and Manisha Pal : Distribution of quality adjusted life of a product that can exist in three states – <i>IAPQR Transactions</i> (2007), Vol. 32, No.2.
11. Manisha Pal and N.K. Mandal: Optimum mixture design via equivalence theorem – <i>Journal of Combinatorics, Information and System Science</i> (2007), Vol.32, Nos.1-2.
12. Manisha Pal and A.K. Chattopadhyay: Bayesian prediction in the Weibull distribution – <i>International Journal of Statistical Sciences</i> (2007), Vol. 6 (special volume).
13. Manisha Pal and Sanjoy Kumar Ghosh: An inventory model with stock dependent demand and general rate of deterioration under conditions of permissible delay in payments – <i>Opsearch</i> (2007), Vol. 44, No. 3.
14. S.S. Dutta and Manisha Pal : Estimation of optimal order quantity in the newsboy problem from censored demands – <i>Australian Society of Operations Research Bulletin</i> (2007), Vol. 26, No. 3.
15. Manisha Pal and S.S. Dutta: An inventory model with single price break and convexity of cost function – <i>Opsearch</i> (2007), Vol. 44, No. 2.
16. Manisha Pal and N.K. Mandal: Optimum designs for estimation in accelerated life testing problems – <i>Festschrift in honor of Professor Mir Masoom Ali on the occasion of his retirement, May, 2007, Ball State University, U.S.A.</i>
17. M.Masoom Ali, Manisha Pal and J. Woo: Some exponentiated distributions – <i>Korean Communications in Statistics</i> (2007), Vol.14, No.1.
18. M.Masoom Ali, Manisha Pal and J. Woo: On ratio of inverted gamma variates – <i>Austrian Journal of Statistics</i> (2007), Vol. 36, No.2. (Co-authors M.M. Ali and J. Woo).
19. S. Nadarajah and Manisha Pal : Explicit expressions for moments of Gamma order statistics – <i>Bulletin of Brazilian Mathematical Society</i> (2008), Vol. 39, No.1. (Co-author)
20. M.Masoom Ali, Manisha Pal , J. Woo and A.S. Wahed: Some skew-symmetric double inverted distributions - <i>International Journal of Statistical Sciences</i> (2008), Vol.7.
21. M.Masoom Ali, Manisha Pal and J. Woo: Skewed reflected distributions generated by reflected gamma kernel – <i>Pakistan Journal of Statistics</i> (2008), Vol. 24, No.1.
22. N.K. Mandal and Manisha Pal : Optimum mixture design using deficiency criterion – <i>Communications in Statistics- Theory and Methods</i> (2008), Vol. 37, No. 10.
23. N.K. Mandal and Manisha Pal : Minimax designs for optimum mixtures – <i>Statistics and Probability Letters</i> (2008), Vol. 78, No. 12.
24. M.M. Ali, J. Woo and Manisha Pal : Some Skew-symmetric reflected distributions – <i>American Journal of Mathematical and Management Sciences</i> (2008), Vol. 28, Nos.1 & 2.
25. N.K. Mandal, Manisha Pal , B.K. Sinha and P. Das: Optimum mixture designs: A pseudo-Bayesian approach – <i>Jour. Ind. Soc. Agri. Statist.</i> (2008), Vol. 62, No. 2.

26. Manisha Pal, N.K. Mandal, B.K. Sinha and P. Das: Optimum mixture designs under constraints on mixing components – <i>Statistics and Applications</i> (2008), Vol. 6, Nos.1 & 2. 2008 (New Series), 189-205.
27. M.Masoom Ali, Manisha Pal and J. Woo Skewed reflected distributions generated by Laplace kernel – <i>Austrian Journal of Statistics</i> (2009), Vol. 38, No.1.
28. Alex C Varghese, Frances Monette Bragais, Dyutiman Mukhopadhyay, Shukla Kundu, Manisha Pal , Asok. K. Bhattacharyya, Ashok Agarwal: Human sperm DNA integrity in normal and abnormal semen samples and it's correlation with sperm quality – <i>Andrologia</i> (2009), Vol. 41, Issue 4, 207-215.
29. Manisha Pal and N.K. Mandal: Optimum designs for estimation of optimum point under cost constraint – <i>Journal of Applied Statistics</i> (2009), Vol. 36, No. 9.
30. Manisha Pal and N.K. Mandal: Optimum designs for stress strength reliability – <i>Jour. Ind. Soc. Agr. Statist.</i> (2009), Vol. 63, No. 3.
31. B.K. Sinha, P. Das, N.K. Mandal and Manisha Pal : Parameter estimation in linear and quadratic mixture models: a review – <i>Pakistan Journal of Statistics</i> (2010) (Silver Jubilee Issue) Vol. 26, No.1.
32. Dyutiman Mukhopadhyay, Alex C. Varghese, Manisha Pal , Sudip K. Banerjee, Asok K. Bhattacharyya, Rakesh K. Sharma and Ashok Agarwal: Semen quality and age-specific changes: A study between two decades on 3729 male partners of couples with normal sperm count and attending an andrology laboratory for infertility-related problems in an Indian city – <i>Fertility and Sterility</i> (2010), Vol. 93, Issue 7, 2247–2254.
33. Manisha Pal , N.K. Mandal, B.K. Sinha and P. Das: Optimum mixture designs under random regression coefficients – <i>Journal of Applied Probability and Statistics</i> (2010), Vol. 5, No. 1.
34. N.K. Mandal and Manisha Pal : Optimum designs in accelerated life testing problems: A Bayesian Approach – <i>IAPQR Transactions</i> (2010), Vol. 35, No.1.
35. M.Masoom Ali, Manisha Pal and J. Woo: Estimation of $Pr(Y<X)$ when X and Y belong to different distribution families- <i>Journal of Probability and Statistical Science</i> (2010), Vol. 8, NO. 1.
36. M.Masoom Ali, Manisha Pal and J. Woo: On the ratio of two independent exponentiated Pareto variables – <i>Austrian Journal of Statistics</i> (2010), Vol. 39, No.4.
37. A Mitra, D Mukhopadhyay, M Pal , S Kundu, J Bhattacharya: Genetic Causes of Male Infertility - <i>Fertility News, India</i> (2010), Volume 2, No. 2, 2-5.
38. Manisha Pal and Sanjoy K. Ghosh: Continuous review inventory model for deteriorating items under bulk demand – <i>Journal of Probability and Statistical Science</i> (2011), Vol. 9, No. 2.
39. Manisha Pal , N.K. Mandal and M.L. Aggarwal: Optimum designs for parameter estimation in linear mixture models with synergistic effects – <i>Communications in Statistics – Theory and Methods</i> (2011), Vol. 40, Issue 11.
40. Manisha Pal , N.K. Mandal, B.K. Sinha and P. Das: Optimum designs in linear mixture models with synergistic effects – <i>Journal of Applied Statistical Theory and Applications</i> (2011), Vol. 10, No.2.
41. Avik Biswas, Arup Banerjee, Partha Kumar Chandra, Sibnarayan Datta, Rajesh Panigrahi, Deep Dutta, Binay Kumar De, Manisha Pal , Subhashish Kamal Guha, Sekhar Chakrabarti and Runu Chakravarty: Variations in the functional domain of basal core promoter among Eastern Indian patients with prevalence of genotypes A, D and C among the same ethnic population – <i>Journal of Medical Virology</i> (2011), Volume 83, Issue 2, February 2011, Pages: 253–260.
42. Manisha Pal and N.K. Mandal: Optimum designs for estimation of parameters in a quadratic mixture-amount model – <i>Communications in Statistics – Theory and Methods</i> Vol. 41, Issue 4, February 2012, 665-673. (Co-author).
43. Manisha Pal and N.K. Mandal: D-optimum designs for optimum mixture in a quadratic log contrast model – <i>Communications in Statistics – Simulation and Computation</i> (2012), Vol. 41, Issue 2.
44. Avik Biswas, Rajesh Panigrahi, Arup Banerjee, Manisha Pal , Binay Krishna De, Sekhar Chakrabarti, Runu Chakravarty: Differential pattern of pre-S mutations/deletions and its association with Hepatitis B Virus genotypes in Eastern India - <i>Infection, Genetics and Evolution</i> (2012), Vol. 12, No.2: 384-391.

45. N.K. Mandal, Manisha Pal and M.N. Aggarwal: Pseudo Bayesian A-optimal designs for estimating the point of maximum in component-amount Darroch Waller mixture model – <i>Statistics and Probability Letters</i> (2012), Vol. 82, No. 6.
46. Manisha Pal and N.K. Mandal: Optimum designs for estimation of optimum amount and proportions in a quadratic mixture-amount model – <i>Communications in Statistics – Theory and Methods</i> (2012), Vol. 41, Issue 11: 1989–1999.
47. Manisha Pal and Hare Krishna Maity: An inventory model for deteriorating items with permissible delay in payment and inflation under price dependent demand – <i>Pakistan Journal of Statistics and Operation Research (PJSOR)</i> (2012), Vol. 8. No.3. (Statistics in the Twenty-First Century: Special Volume in honour of Dr. Mir Masoom Ali, George and Frances Ball Distinguished Professor of Statistics Emeritus on the Occasion of his Seventy-Fifth Birthday Anniversary).
48. M. Masoom Ali, Manisha Pal and J. Woo Estimation of $P(Y<X)$ in a four-parameter generalized gamma distribution – <i>Austrian Journal of Statistics</i> (2012), Vol. 41, NO. 3.
49. Manisha Pal and Sujan Chandra: A deterministic inventory model with permissible delay in payment and price discount on backorders – <i>OPSEARCH</i> (2012), 49(3):271–279.
50. Amrita Mitra, Baidyanath Chakraborty, Dyutiman Mukhopadhyay, Manisha Pal , Sanjit Mukherjee, Samir Banerjee, Keya Chaudhuri: Effect of smoking on semen quality, FSH, testosterone level and CAG repeat length in Androgen receptor gene of infertile men in an Indian city – <i>Systems Biology in Reproductive Medicine</i> (October 2012), Vol. 58, No. 5, 255-262.
51. Manisha Pal and N.K. Mandal: D-optimal designs for an additive quadratic mixture model with random regression coefficients – <i>Journal of Indian Society of Agricultural Statistics</i> (2012), Vol. 66(3), 441-446.
52. N.K. Mandal and Manisha Pal : Optimum mixture design for the detection of synergistic effects - <i>Communications in Statistics – Simulation and Computation</i> (2013), Vol. 42, Issue 3: 713 - 728.
53. N.K. Mandal and Manisha Pal : Optimum designs for optimum mixtures in multiresponse experiments – <i>Communications in Statistics – Simulation and Computation</i> (2013), Vol. 42, Issue: 5, 1104 - 1112.
54. S. Pal and Manisha Pal : Factors affecting the performance of students in Anatomy: A case study – <i>Indian Journal of Applied Research</i> (2013), Vol. 3, Issue 4.
55. Debapriya Danda, Sharmila Pal and Manisha Pal : Effect of nutrition on wound healing in postoperative oral and maxillofacial patients – <i>Advances in Medical Sciences</i> (2013), Vol. 2, No.2.
56. N.K. Mandal and Manisha Pal : Maximin designs for the detection of synergistic effects – <i>Statistics and Probability Letters</i> (2013), Vol. 83, No.7, pp. 1632-1637.
57. Manisha Pal and N.K. Mandal: On optimum mixture designs in Scheffé’s quadratic mixture model – <i>IAPQR Transactions</i> (2013), Special Volume, pp. 159-195.
58. Avik Biswas, Rajesh Panigrahi, Manisha Pal , Subhasis Chakraborty, Prasun Bhattacharya, Shekhar Chakrabarti, Runu Chakravarty: Shift in the hepatitis B virus genotype distribution in the last decade among the HBV carriers from Eastern India: possible effects on the disease status and HBV epidemiology – <i>Journal of Medical Virology</i> (2013), Vol. 85, Issue 8, 1340-1347.
59. Manisha Pal and N.K. Mandal: Optimum designs for mixtures with relational constraints on the components – <i>International Journal of Experimental Design and Process Optimization</i> (2013), Vol. 3, No. 3, 276-293.
60. Manisha Pal and N.K. Mandal: Optimum designs for optimum mixtures and amount in multiresponse experiments - <i>The Thailand Statistician</i> (2013), Vol. 11(2), 143-158.
61. Debraj Saha; Ananya Pal, Avik Biswas; Rajesh Panigrahi; Neelakshi Sarkar; Jayeeta Sarkar; Subhasish K Guha; Bibhuti Saha; Manisha Pal ; Sekhar Chakrabarti; Runu Chakravarty: Characterization of treatment-naïve HIV/HBV co-infected patients attending ART clinic of a tertiary healthcare centre in eastern India – <i>PLOS ONE</i> (2013), Vol. 8(8).

62. Avik Biswas, Rajesh Panigrahi, Manisha Pal , Binay K. De, Sekhar Chakrabarti, Mrinmoy K. Ghosh, Bikash C. Chandra Seth, Susanta Roychowdhury, Runu Chakravarty: Association of Interleukin-1 β and Gene Polymorphisms with Liver Pathogenesis in Hepatitis B Virus Infection among Eastern Indian Population - <i>Journal of Clinical and Experimental Hepatology</i> December 2013 Vol. 3 No. 4 281–287.
63. Avik Biswas, Rajesh Panigrahi, Partha Kumar Chandra, Arup Banerjee, Sibnarayan Datta, Manisha Pal , Subhashish Chakraborty, Prasun Bhattacharya, Sekhar Chakraborti and Runu Chakravarty: Characterization of the occult hepatitis B virus variants circulating among the blood donors from Eastern India -accepted in <i>The Scientific World Journal</i> (2013), Vol. 2013.
64. Manisha Pal and Kuntal Bakuli On the distribution of the number of stranded customers in a M/M(b,b)/1 queuing system – <i>IAPQR Transactions</i> (2013), Vol. 38(2).
65. Manisha Pal and Sujan Chandra: A periodic review inventory model with stock dependent demand, permissible delay in payment and price discount on backorders – <i>Yugoslav Journal of Operations Research</i> .(2014), Vol. 24, No.1.
66. Hare Krishna Maity and Manisha Pal : A periodic review inventory model for deteriorating items with price dependent demand and partial delay in payment under inflation– <i>International Journal of Statistika and Matematika</i> (2014), Vol. 9, No.1.
67. B.K. Sinha, N.K. Mandal and Manisha Pal : Some Finer Aspects of the de la Garza Phenomenon: A Study of Exact Designs in Linear and Quadratic Regression Models – <i>special volume of Statistics and Applications in the memory of Prof. M.N. Das</i> (2014).
68. Manisha Pal and Montip Tiensuwan: Beta Transmuted Weibull Distribution- <i>Austrian Journal of Statistics</i> (2014), Vol. 43, No. 2.
69. Manisha Pal and Sujan Chandra A continuous review inventory model for deteriorating items with stochastic demand and price discount on backorders – <i>Australian OR Society Bulletin</i> (2014), Vol. 33, No.1, 40-48.
70. Manisha Pal and Sujan Chandra Inventory model for non-instantaneous deteriorating items with stock and time dependent demand, price discount and partial backlogging – <i>IAPQR Transactions</i> (2014), Vol. 39, No. 2, 153-168.
71. Manisha Pal and Montip Tiensuwan: Exponentiated transmuted modified Weibull distribution – <i>European Journal of Pure and Applied Mathematics</i> (2015), Vol. 8(1), pages 1-14.
72. N.K. Mandal, Manisha Pal , B.K. Sinha and P. Das: Optimum mixture designs in a restricted region – <i>Statistical Papers</i> (2015), Volume 56, Issue 1, 105-119.
73. Hare Krishna Maity and Manisha Pal : An inventory model for deteriorating items with price dependent demand and delay in payments under stochastic inflation rate – <i>Thailand Statistician</i> (2015), Vol. 13(2), 127-143.
74. Manisha Pal and A. Samanta: Periodic review inventory policy for non-instantaneous deteriorating items with time dependent deterioration rate – <i>Pakistan Journal of Statistics and Operation Research</i> (2015), Vol. 11, No. 3, 409-419.
75. Hare Krishna Maity and Manisha Pal : An ordering policy for deteriorating items with hybrid demand under permissible delay in payments and price Inflation – <i>Calcutta Statistical Association Bulletin</i> (2015), 69-88.
76. Manisha Pal and M. Tiensuwan: Some properties of gamma generated distributions – <i>Statistica</i> (2015), Vol. LXXV, No. 4.
77. Manisha Pal and N.K. Mandal: Optimum mixture designs in some constrained experimental regions – <i>Communications in Statistics – Theory and Methods</i> (2017), Volume 46, Issue 9.
78. Manisha Pal , N.K. Mandal and M.L. Aggarwal: A-optimal designs for optimum mixture in an additive quadratic mixture model – <i>Statistics</i> (2017), Volume 51, Issue 2.
79. Kuntal Bakuli and Manisha Pal : Bulk service queueing system with impatient customers: a computational approach – <i>Thailand Statistician</i> (2017), Vol. 15, No.1.
80. Manisha Pal and N.K. Mandal: Optimum designs for parameter estimation in a mixture experiment with two correlated responses –Comm. in Statistics – Simulation and Computation, Volume 46, 2017 - Issue 10. (IF 0.475)

81. Kuntal Bakuli and Manisha Pal : Performance analysis of $M/M^{(a,b)}/1$ queuing model with balking and state dependent reneging and service – <i>Calcutta Statistical association Bulletin</i> , Vol 69, Issue 1, 2017.
82. S.P. Mukherjee and Manisha Pal : Reliability improvement through designed experiments – <i>Journal of Applied Probability and Statistics</i> , (2017), Vol.12, No. 1, 1-9.
83. Manisha Pal and Anwesa Samanta: Periodic review inventory model for non-instantaneous deteriorating item under state dependent demand and waiting time dependent backlogging – <i>IAPQR Transactions</i> (2017), Vol. 42 (2), 117-130.
84. Abhay Deep Pandey, Saptamita Goswami, Shweta Shukla, Shaoli Das, Suman Ghosal, Manisha Pal , Bhaswati Bandyopadhyay, Vishnampettai Ramachandran, Nandita Basu, Vikas Sood, Priyanka Pandey, Jayprokas Chakrabarti, Sudhanshu Vrat, Arup Banerjee: Correlation of altered expression of a long non-coding RNA, NEAT1, in peripheral blood mononuclear cells with dengue disease progression - <i>Journal of Infection</i> (2017), 75(6). (Impact factor 4.201)
85. Manisha Pal , N.K. Mandal and Bikas K. Sinha: D-optimal designs and model uncertainty – <i>International Journal of Statistical Sciences</i> (2015), Vol. 15, 1-12. (Published in 2018).
86. Manisha Pal & N.K. Mandal: Optimum mixture designs for log-logistic dose-response model with mixture of two similar compounds - <i>Comm. in Statistics – Simulation and Computation</i> (2018), 47(3). (IF 0.475)
87. Manisha Pal and A. Samanta: Inventory model for non-instantaneous deteriorating item with random pre-deterioration period – <i>International Journal of Inventory Research</i> , (2018), Vol. 5, No. 1.
88. Manisha Pal , Nripes K Mandal and Bikas K Sinha: Growth Models for Repeated Measurement Mixture Experiments: Optimal Designs for Parameter Estimation and Growth Prediction - Chapter 6 of <i>Advances in Growth Curve and Structural Equation Modeling</i> , Springer Nature Singapore Pte Ltd. (2018). (Proceedings 2017)
89. Manisha Pal , Nripes K Mandal and Bikas K Sinha: Optimum designs of pharmaceutical experiments with relational constraints on the mixing components – Chapter 3 in <i>Advances in Growth Curve and Structural Equation Modelling.</i> , Springer Nature Singapore Pte Ltd. (2018). (125th Birth Anniversary of PC Mahalanobis)
90. N.K. Mandal and Manisha Pal : Optimum design for an incomplete second degree mixture model – <i>International Journal of Design and Process Optimization</i> (2019), Vol. 6 Issue 1, 1-12.
91. Manisha Pal and N.K. Mandal: Optimum repeated measurement mixture designs – accepted in <i>Statistics and Applications</i> (Special volume in honour of A.K. Nigam).
92. P. Tusto, M. Tiensuwan and Manisha Pal : Optimum Mixture Designs for Binomial Two-Parameter Log-Logistic (LL2) Model with mixture of two similar compounds - to appear in <i>Austrian Journal of Statistics</i> .
93. Jhantu Pal and Manisha Pal : A Periodic Review Inventory Model for Weibull Deteriorating Items under Trade Credit Offer Using Discounted Cash-Flow – to appear in <i>Thailand Statistician</i> .

Monograph Published

“**Optimum Mixture Experiments**” - by Sinha, B.K., Mandal, N.K., **Pal, Manisha.**, Das, P.- Lecture Notes in Statistics (Vol. 1028), Springer India, 2014.