

CURRICULUM VITAE
of
Yogendra Prasad Chaubey

1. PERSONAL

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Date of Birth: March 13, 1951

Nationality: Canadian

2. EDUCATION AND DEGREES

- University of Rochester, Rochester, New York 1972-1977
M.A. in Statistics, May 1974
Ph.D. in Statistics, May 1977
Thesis Title: “The Principle of MINQUE: Modifications, Extensions and Applications”
- Indian Statistical Institute, Calcutta, India 1970-72 M.Stat. (Master of Statistics with specialization in Statistical Quality Control and Operations Research), July 1972
- Banaras Hindu University, Varanasi, India 1968-70
B.Sc. (with Physics, Mathematics and Statistics as Electives) June 1970

3. PROFESSIONAL EXPERIENCE

- Concordia University, Montreal, Quebec CANADA
Professor, 1990 - ...
Associate Professor, 1981 - 1990
Assistant Professor, 1979 - 1981
- Indian Statistical Institute, Division of Theoretical Statistics, Calcutta, INDIA
Visiting Scientist, 1985-86

- Dalhousie University, Department of Mathematics, Statistics and Computer Science, Halifax, Nova Scotia CANADA
Assistant Professor, 1977-1979
- Carleton University, Department of Mathematics and Statistics, Ottawa, Ontario CANADA
Research Associate and Instructor, 1976-77
- University of Rochester, Rochester, New York USA Department of Statistics:
Visiting Assistant Professor, June 1982
Teaching Assistant and Fellow, 1972-1975
Department of Biostatistics:
Technical Associate, 1975-1996

4. AWARDS AND DISTINCTIONS

- (i) U.P. Govt., INDIA, National Scholarship for Securing Distinction in High School, 1966-70
- (ii) Indian Statistical Institute, Prize for Distinction in M. Stat., 1970-72
- (iii) University of Rochester, Fellowship, 1972-75
- (iv) Research Affiliate, CRM, University of Montreal, 1996-97
- (v) Chapter Service Recognition Award, American Statistical Association, 2003
- (vi) Elected Member, International Statistical Institute, 2005
- (vii) Provost's Circle of Distinction, Concordia University, 2009

5. LIST OF PUBLICATIONS

(A) Refereed Journal Publications:

1. Chaubey, Y.P. and E. Shirazi (2013). On MISE of a nonlinear wavelet estimator of the regression function based on biased data under strong mixing. *Comm. Stat. - Theor. Meth.*, accepted.
2. Khurana, M., Chaubey, Y.P. and Chandra, S. (2013). Jackknifing the ridge regression estimator: A Revisit. *Comm. Stat. - Theor. Meth.*, to appear.
3. Mudholkar, G.S. and Chaubey, Y.P. (2013). An entropy based rationale for maximizing likelihood and some related results. *Invest. Mathematical Sciences* **3**, 141-153.

4. Chaubey, Y.P., Singh, M. and Sen D. (2013). On symmetrizing transformation of the sample coefficient of variation from a normal population. *Comm. Stat. – Simula. - Computa.* **42**, 2118–2134.
5. Chaubey, Y.P., Chesneau, C. and Shirazi, E. (2013). Wavelet-based estimation of regression function for dependent biased data under a given random design. *Journal of Nonparametric Statistics* **25**(1), 53-71.
6. Chaubey, Y.P., Li, J., Sen, A. and Sen, P.K. (2012). A new smooth density estimator for non-negative random variables. *Journal of the Indian Statistical Association* **50**, 83-104.
7. Shirazi, Esmaeil , Chaubey, Yogendra P., Doosti, Hassan and Niroumand, Hossein Ali (2012). Wavelet based estimation for the derivative of a density by block thresholding under random censorship. *Journal of the Korean Statistical Society* **41**, 199-211.
8. Chaubey, Y.P., Laïb, N. and Li, J. (2012). Generalized kernel regression estimator for dependent size-biased data. *J. Stat. Plann. Inf.* **142**:3, 708727.
9. Chaubey, Y.P., Dewan, I. and Li, J. (2012). An asymmetric kernel estimator of density function for stationary associated sequences. *Comm. Stat. – Simula. Computa.* **41**(4), 554–572.
10. Sen, D. and Chaubey, Y.P. (2011). A class of accelerated life testing models based on the gamma distribution. *J. Ind. Soc. Agr. Stat.* **65**, 155–161.
11. Chaubey, Y.P. Chesneau, C. and Doosti (2011). On linear wavelet density estimation: Some recent developments. *J. Ind. Soc. Agr. Stat.* **65**, 169–179.
12. Chaubey, Yogendra P., Dewan, Isha and Li, Jun (2011). Smooth estimation of survival and density functions for a stationary associated process using Poisson weights. *Statist. Probab. Lett.* **81**, 267–276.
13. Chaubey, Y.P., Doosti, H., Shirazi, E. and Prakasa Rao, B.L.S. (2010). Linear wavelet-based estimation for derivative of a density under random censorship. *Jour. Iran. Statist. Soc.* **9**, 41–51.
14. Doosti, H., Islam, M.S., Chaubey, Y.P. and Gora, P. (2010). Two dimensional wavelets for nonlinear autoregressive models with an application in dynamical system. *Italian Journal of Pure and Applied Mathematics* **27**, 39–62.
15. Chaubey, Y.P. and Dewan, I. (2010). Smooth estimation of survival and density functions for stationary associated sequences: Some recent developments. *J. Ind. Soc. Agr. Stat.* **64**(2), 261-272.
16. Chaubey, Y.P., Sen, P.K. and Li, J. (2010). Smooth density estimation for length-biased data. *J. Ind. Soc. Agr. Stat.* **64**(2), 145-155.
17. Chaubey, Y.P., Laïb, N. and Sen, A. (2010). Generalised kernel smoothing for non-negative stationary ergodic processes. *Journal of Nonparametric Statistics* **22**, 973–997.

18. Chaubey, Y. P., Mudholkar, G.S. and Jones, M. C. (2010). Reciprocal symmetry, unimodality and Khintchine's theorem. *Proc. R. Soc. A* **466**, 2079–2096.
19. Hachem, C., Chaubey, Y. P., P. Fazio, Rao, J. and Bartlett, K. (2010). Statistical Analysis of Microbial Volatile Organic Compounds in an Experimental Project: Identification and Transport Analysis, *Indoor and Built Environment*, **19(2)** 275–285.
20. Howlader, T. and Chaubey, Y.P.(2010). Noise Reduction of cDNA Microarray Images Using Complex Wavelets. *IEEE Transactions On Image Processing*, **19**, 1953–1967.
21. Singh, M., Chaubey, Y.P., Sarker, A. and Sen, D. (2010). Modeling heterogeneity along with spatially correlated errors in field trials. *J. Ind. Soc. Agr. Stat.* **64(2)**, 313–321.
22. Singh, M., Niane, A.A. and Chaubey, Y.P. (2010). Evaluating uniformity of plant varieties: Sample size for inference on coefficient of variation. *Journal of Statistics & Applications* **5(1)**, 1–13.
23. Chaubey, Y. P. and Sen, P. K. (2009). On the selection of the smoothing parameter in Poisson smoothing of histogram estimator: Computational aspects, *Pakistan Journal of Statistics*, **25(4)**, 385–401.
24. Mudholkar, G. S. and Chaubey, Y. P. (2009). On defining P-values, *Statistics and Probability Letters* **79**, 1963–1971.
25. Chaubey, Y. P., Nebebe, F., Dzzielowski, K. and Sen, D. (2009). Estimation of Joint Distribution from Marginal Distributions, *International Journal of Statistical Sciences* **9**, 11–23.
26. Chaubey, Yogendra P. and Mondal, Prosanta K. (2009). Estimation of Distinct Elements of a Covariance Matrix : MINQUE and MINQE, Invited paper in honor of Professor Aloke Day, *Statistics and Applications* **6**, 157–170.
27. Chaubey, Yogendra P. and Howlader, Tamanna (2009). Wavelet-Based Noise Reduction by Joint Statistical Modeling of cDNA Microarray Images, *Journal of Statistical Theory and Practice* **3**, 349–370..
28. Hachem, C., Fazio, P., Rao, J., Bartlett, K. and Chaubey, Y., (2009). Identification and Transport Investigation of Microbial Volatile Organic Compounds in Full Scale Stud Cavities, *Building and Environment* **44**, 1691–1698.
29. Chaubey, Yogendra P., H. Doosti and B.L.S.P. Rao (2008). Wavelet based estimation of the derivatives of a density for a negatively associated process, *Journal of Statistical Theory and Practice* **2**, 453–463.
30. Chaubey, Y. P., Mudholkar, Govind S. and Tian, L. (2008). Extremes, Extreme Spacings And Tail Lengths: An Investigation For Some Important Distributions, *Calcutta Statistical Association Bulletin* **61**, 243–265.

31. Chaubey, Yogendra P., Sen, Debaraj and Mishra, Satya N. (2008). Inference on Overlap for two inverse Gaussian populations: equal means case. *Communications in Statistics-Theory and Methods* **37**, 1880-1894.
32. Chaubey, Yogendra P. and Sen, Debaraj (2008). Estimator of mean in an inverse Gaussian population based on the coefficient of variation. *Journal of Statistical research*, **42**, 1-16.
33. Chaubey, Yogendra P., Sen, Arusharka (2008). Smooth estimation of mean residual life under random censoring. In *Beyond Parametrics in Interdisciplinary Research: Festschrift in Honor of Professor Pranab K. Sen*. IMS Collections, Volume 1: Eds.: N. Balakrishnan, Edsel Peña and Mervyn J Silvapulle, (Beachwood, Ohio, USA: Institute of Mathematical Statistics), 35-49.
34. Chaubey, Yogendra P., Sen, Arusharka and Sen, P.K. (2007). Smoothed function estimation for censored data. In *Encyclopedia of Statistics in Quality and Reliability*, John Wiley and Sons, Chichester, UK.
35. Chaubey, Y. P. and Yang, M. J. (2007). Inference for length and area biased exponentiated Weibull distribution. *Journal of Statistical Studies* **26**, 19-27.
36. Chaubey, Yogendra P. and Xu, Haipeng (2007) Smooth estimation of survival functions under mean residual life ordering. *Jour. Statist. Plann. Inf.* **137**, 3303-3316.
37. Doosti, H. and Chaubey, Yogendra P. (2007). Wavelet linear density estimation for negatively dependent random variables. *Current Development in Theory and Applications of Wavelets* **1**, 57-64.
38. Doosti, H., Chaubey, Y.P. and Niroumand, H.A.(2007) On a wavelet-based of estimating regression function. *Communications in Statistics-Theory and Methods* **36**, 2083-2098.
39. Doosti, H., Fakoor, V. and Chaubey, Yogendra P. (2007). Wavelet Linear Density Estimation for Negatively Associated Sequences. *Jour. Indian Statistical Association* **44**, 127-135.
40. Chaubey, Yogendra P. and Kochar, Subhash C. (2006). Smooth estimation of uniformly stochastically ordered survival functions. *Journal of Combinatorics, Information and System Sciences* **31**, 1-13.
41. Babu, G.J. and Chaubey, Yogendra P. (2006). Smooth estimation of a distribution and density function on a hypercube using Bernstein polynomials for dependent random vectors. *Statistics & Probability Letters* **76**, 959-969.
42. Chaubey, Yogendra P., Doosti, Hassan and Prakasa Rao, B.L.S.(2006). Wavelet based estimation of the derivatives of a density with associated variables. *Inter. Jour. of Pure and Applied Math* **27**, 97-106.
43. Mahmud, M., Abrahamowicz, M., Leffondre, K. and Chaubey, Yogendra P. (2006). Selecting the optimal transformation of a continuous covariate in Cox's regression:

- implications for hypothesis testing. *Communications in Statistics-simulation and Computation* **35**, 27-45.
44. Chaubey, Yogendra P. and Doosti, H. (2005). Wavelet based estimation of the derivatives of a density for m-dependent random variables. *J. Iranian Statistical Society* **4**, 97-105.
 45. Nebebe, F., DeSouza, C.M. and Chaubey, Y.P. (2005). Inverse Gaussian model for small area estimation via Gibbs Sampling. *SINET: Ethiopian Journal of Science* **28**, 1-14.
 46. Chaubey, Y.P., Tiwari, R. and Gupta, R. (2004). Properties of mixed generalized least squares estimators in linear regression model. *International Journal of Mathematical Sciences* **III(2)**, 491-505.
 47. Tripathi, T.P. and Chaubey, Y.P. (2004). Optimum PPS sampling design based on multivariate information for estimation of several totals. *Aligarh Journal of Statistics* **24**, 85-98.
 48. Babu, G.J., Chaubey, Yogendra P., Gora, Pawel and Boyarsky, Abraham (2004). A new statistical method for filtering and Entropy estimation of a chaotic map from noisy data. *Bifurcation and Chaos* **14**, 3989-3994.
 49. Chaubey, Y.P., Nebebe, F. and Goyal, S. (2004). On continuous review stock control with multiple suppliers and positive lead times. *International Journal of Mathematical Sciences* **III(1)**, 229-237.
 50. Chaubey, Y.P., Nebebe, F. and Goyal, S. (2004). An analysis of mean and variance of effective lead times for continuous review stock control with multiple suppliers and positive lead times. *OPSEARCH* **41**, 52-62.
 51. Chaubey Y.P. and Sen, P.K. (2002). Smooth isotonic estimation of density, hazard and MRL functions. *Calcutta Statistical Association Bulletin* **52**, 99-116.
 52. Chaubey, Y.P. and Crisalli, A.N. (2002). The generalized smoothing estimator. *Journal of Statistical Research*, **36**, 111-129.
 53. Babu, G.J., Canty, A.J. and Chaubey, Y.P.(2002). Application of Bernstein polynomials for smooth estimation of a distribution and density function. *J. Statist. Plann. Inference* **105**, 377-392.
 54. Chaubey, Y. P. and Sen, P. K. (2002). Smooth estimation of Multivariate Survival and Density Functions. *Jour. Statist. Plann. and Inf.* **103**, 361-376.
 55. Chaubey, Y.P. (2002). Estimation in inverse Gaussian Regression: Comparison of asymptotic and bootstrap distributions. *Jour. Statist. Plann. and Inf.* **100(2)**, 135-143.
 56. Mudholkar, G.S., Natarajan, R. and Chaubey, Y.P. (2001). Independence Characterization and Inverse Gaussian Goodness-of-Fit. *Sankhyā* **B63**, 362-374.

57. Chaubey, Y.P. and Kochar, S. (2000). Smooth estimation of stochastically ordered Survival functions. *J. Indian Statistical Association* **38**, 209-225.
58. Ahmad, M., Chaubey, Y.P. and Sen, P.K. (2000). On a sequential sampling design with multiple repeats for estimating population size. *Jour. Statist. Research* **34**, 19-29.
59. Ahmad, M., Chaubey, Y.P. (2000). Bayesian estimation of the size of a population under a sequential sampling design. *Amer. Jour. Math. Man. Sc.* **20**, 131-143.
60. Ahmad, M., Alalouf, S. and Chaubey, Y.P (2000). Estimation of the population total when the population size is unknown. *Stat. and Prob. Letters* **49**, 211-213.
61. Chaubey, Y.P. and Nebebe, F. (1999). Bayesian analysis of one-way data following inverse Gaussian distribution. *Jour. Statist. Research*, **33** 71-83.
62. Chaubey, Y.P. and Sen, P.K. (1999) . On smooth estimation of Mean Residual Life. *Jour. Statist. Plann. and Inf.* **75**, 223-236.
63. Chaubey, Y.P., Garrido, J. and Trudeau, S. (1998). On the computation of aggregate claims distribution: some new approximations. *Insurance: Mathematics and Statistics* **23**, 215-230.
64. Chaubey, Y.P. and Crisalli, A.N. (1997). Adjustment of the inclusion probabilities in case of non-response. *Quaderni di Statistica e Matematica* **19**, 53-65.
65. Chaubey, Y.P. and Srivastava, A.K. (1996). A study of Jackknife method in estimation of log-normal models. *Jour. Stat. Res.* **30** 49-66.
66. Chaubey, Y.P. and Sen, P.K. (1996). On smooth estimation of survival and density functions. *Statistics and Decisions* **14**, 1-22.
67. Chaubey, Y.P., Nebebe, F. and Chen, P.S. (1996). Small area estimation under an inverse Gaussian model. *Survey Methodology* **22**, 33-41.
68. Chaubey, Y.P., Dwivedi, T.D. and Li, W. (1997). Batch sampling as a tool in estimating quality. *J. Nat. Acad. Math.* **11**, 128-141.
69. Lee, H.S. and Chaubey, Y.P. (1996). MINQUE of variance components in generalized linear models with random effects. *Commun. Statist.-Theor. Method.* **25(6)**, 1375-1382.
70. Babu, G.J. and Chaubey, Y.P. (1996). Asymptotics and bootstrap for inverse Gaussian regression. *Ann. Inst. Stat. Math.* **48**, 75-88
71. Chaubey, Y.P. and Li, W. (1995). Comparison between maximum likelihood and Bayes methods for estimation of binomial probability with composite sampling. *Jour. Off. Stat.* **11**, 379-390.
72. Ahmad, M., Alalouf, S. and Chaubey, Y.P. (1993) A comparison of three sampling strategies for estimating population size. *Quaderni di Statistica e Matematica* **15**, 3-11.

73. Chaubey, Y.P. and Srivastava, T.N. (1992). Approximation to the distribution of order statistics for various populations. *Jour. Stat. Res.* **27**, 41-62
74. Tripathi, T.P. and Chaubey, Y.P. (1992). Improved estimation of a finite population mean based on paired observations. *Commun. Statist.-Theor. Meth.*, **21**, 3327-3333.
75. Chaubey, Y.P. and Srivastava, T.N. (1991). On a multiplicative damage model and characterization of some distributions useful in growth models. *Quaderni di Statistica e Matematica* **13**, 23-32.
76. Chaubey, Y.P. (1991). A study of ratio and product estimators under a super population model. *Communications in Statistics* **A20(5&6)** 1731-1746.
77. Chaubey, Y.P. (1991). A note on non-negative minimum bias MINQE in variance components model. *Stat. Prob. Letters* **11**, 395-397
78. Ahmad, M. and Chaubey, Y.P. (1991). Locally most powerful test for testing the equality of variances of two linear models with common regression parameters. *Stat. Prob. Letters* **11**, 149-153.
79. Ahmad, M. and Chaubey, Y.P. and Sinha, B.K. (1991). Estimation of common mean of several univariate inverse Gaussian populations. *Ann. Inst. Stat. Math.* **43**, 357-367.
80. Chaubey, Y.P., Dwivedi, T.D. and Singh, M. (1990). On the exact variance of an unbiased product type estimator and its comparison with the sample mean. *Metrika* **37**, 255-262.
81. Chaubey, Y.P. (1989). Edgeworth expansions with mixtures and applications. *Metron* **XLVII**, 53-64.
82. Amahia, G.N., Chaubey, Y.P. and Rao, T.J. (1989). Efficiency of a new estimator in PPS sampling for multiple characteristics. *J. Stat. Plann Inf.* **21**, 75-84.
83. Chaubey, Y.P. and Singh, B. (1988). Almost unbiased estimation in multiplicative models. *Metrika* **35**, 13-28.
84. Chaubey, Y.P. and Dwivedi, T.D. (1987). Efficiency of regression method in estimating hazard rate from grouped survival data. *Communications in Statistics* **B16(3)**, 761-769.
85. Singh, B. and Chaubey, Y.P. (1987). On some improved ridge estimators. *Statistische Hefte* **28**, 53-67.
86. Chaubey, Y.P. and Srivastava, T.N. (1987). On a characterization of Logistic distribution. *Indian Journal of Mathematics*. (Special vol. on Ramanujan Centenary, IMS-Allahabad, India) **9**, 211-213.
87. Singh, B., Chaubey, Y.P. and Dwivedi, T.D. (1986). An almost unbiased ridge estimator. *Sankhyā* **B48**, 342-346.

88. Chaubey, Y.P. (1985). Estimators of covariances in time series models. *Statistics and Probability Letters* **3**, 51-53.
89. Chaubey, Y.P. (1984). On the comparison of some non-negative estimators of variance components for two linear models. *Communications in Statistics* **B13(5)**, 619-633.
90. Chaubey, Y.P. and Mudholkar, G.S. (1984). On the almost symmetry of Fisher's Z. *Metron*, **42**, I/II, 165-169.
91. Chaubey, Y.P., Singh, M. and Dwivedi, T.D. (1984). A note on an optimality property of regression estimator. *Biom. Journal* **26**, 465-467
92. Chaubey, Y.P., Dwivedi T.D. and Singh, M. (1984). An efficiency comparison of product and ratio estimator. *Communications in Statistics - Theory and Methods* **13(6)**, 699-709. (Correction: **14(5)**, 1249-1250 (1985)).
93. Chaubey, Y.P. (1983). A non-negative estimator of variance closest to MINQUE, *Sankhyā* **A45**, 201-211.
94. Chaubey, Y.P. and Talukder, A.B.M. Nur Enayet (1983). Exact Moments of a Ratio of Two Quadratic Forms in Normal Variables. *Commun. Statist.-Theor. Meth.* **12(6)**, 675-679.
95. Srivastava, V.K., Dwivedi, T.D., Chaubey, Y.P. and Bhatnagar, S. (1983). Finite Sample Properties of Beale's Ratio Estimator. *Commun. Statist. - Theor. Meth.* **12(15)**, 1795-1805.
96. Chaubey, Y.P.(1982). Minimum norm invariant quadratic estimation of a covariance matrix in linear Model. *Biom. Journal* **24**, 457-461.
97. Chaubey, Y.P. and Dwivedi, T.D.(1982). Some Remarks on an estimator of mean of a normal population. *Biom. Journal* **24**, 331-338.
98. Chaubey, Y.P.(1982). Best minimum bias linear estimators in Gauss-Markoff model. *Commun. Statist.-Theor. Meth.* **11(17)**, 1959-1963.
99. Chaubey, Y.P. and Mudholkar, G.S.(1982). A New Approximation for the Difference of two t-Variables. *Commun. Statist. - Theor. Meth.* **11(20)**, 2335-2342.
100. Chaubey, Y.P., Singh, M. and Dwivedi, T.D.(1981). A Note on a Product Type Unbiased Estimator. *Metron* **39**, 1341-1345.
101. Dwivedi, T.D. and Chaubey, Y.P.(1981). Moments of a ratio of two positive quadratic forms in normal variables. *Commun. Statist.-Computa. Simula* **B10(5)**, 503-516.
102. Chaubey, Y.P.(1981). Testing the equality of variances of two linear models. *Can. J. Statist.* **9**, 119-127.
103. Chaubey, Y.P.(1981). A Property of $A_{\rho_X}^{-1}$. *Sankhyā* **A43**, 384-385.
104. Chaubey, Y.P.(1980). On a Conjecture of Bibby. *Sankhyā* **B42**, 126-127.

105. Chaubey, Y.P. and Gabor, G.(1980). Another look at Fisher's solution to the problem of weighted mean. *Commun. Statist. - Theor. Meth.*, **A10(12)**, 1225-1237.
106. Chaubey, Y.P.(1980). Application of method of MINQUE for estimation in regression with intraclass covariance matrix. *Sankhyā* **B42**, 28-32.
107. Chaubey, Y.P.(1980). Minimum norm quadratic estimators of variance components. *Metrika*, **27**, 255-262.
108. Chaubey, Y.P. and Gabor, G.(1980). Two generalizations of the simple linear regression. *Atlantic Math. Bull.* **4**, 1-9.
109. Chaubey, Y.P.(1980). Inverse of a Symmetric Matrix by Rank Annihilation. *Dal. J. Undergrad. Math.*, 6-9.
110. Chaubey, Y.P.(1979). Gaussian approximation to a quadratic form distribution. *J. Statist. Compu. Simul.*, **9**, 253-260.
111. Chaubey, Y.P. and. Mudholkar G.S.(1978). A new approximation to Fisher's Z. *Austr. J. Statist.* **20(3)**, 250-256.
112. Rao, P.S.R.S. and Chaubey, Y.P. (1978). Three Modifications of the Principle of MINQUE. *Commun. Statist.-Theor. Meth.* **A7(8)**, 767-778.
113. Hall, W.J., Hyde, R.W., Schwartz, R.H., Mudholkar, G.S., Webb, D.R., Chaubey, Y.P. and Townes, P.L.(1976). Pulmonary abnormalities in intermediate alpha-1 antitrypsin deficiency. *J. Clin. Inves.* **58**, 1069-1077
114. Mudholkar, G.S., Chaubey, Y.P. and Lin C.C. (1976). Some approximations to noncentral-F distribution. *Technometrics* **18**, 351-358.
115. Mudholkar, G.S. and Chaubey, Y.P. and Lin, C.C. (1976). Approximations for the double noncentral-F distribution. *Commun. Statist.-Theor. Meth.* **5(1)**, 49-63.
116. Mudholkar, G.S. and Chaubey, Y.P. (1976). On the distribution of the Fisher's transformation of correlation coefficient. *Commun. Statist.-Simula. Computa.* **B(5)**, 163-172.
117. Mudholkar, G.S. and Chaubey, Y.P.(1976). A Simple approximation for the doubly noncentral-t Distribution. *Commun.Statist.-Simula. Computa.* **B(2&3)**, 85-92.
118. Mudholkar, G.S. and Chaubey, Y.P. (1976). Some refinements of the Wise approximation for Beta and F-Distribution. *Utilitas Mathematica* **10**, 199-207.
119. Chaubey, Y.P. and Rao, P.S.R.S. (1976). Efficiencies of five estimators for the parameters of two linear models. *Sankhyā* **B38**, 364-370.
120. Mudholkar, G.S. and Chaubey, Y.P. (1975). Use of logistic distribution in approximating the probabilities and percentiles of student's distribution. *J. Statist. Res.* **1**, 1-9.

(B)Conference Proceedings:*Refereed:*

1. Chaubey, Y.P., Khurana, M. and Chandra, S. (2013). Jackknifing stochastic restricted ridge, estimator with heteroscedastic errors. In *Some Recent Advances in Mathematics and Statistics*, (Ed.: Y.P. Chaubey), Singapore: World Scientific Pvt. Ltd.
2. Chaubey, Yogendra P. and Li, Jun (2013). Asymmetric Kernel Density Estimator for Length Biased Data. In *Contemporary Topics in Mathematics and Statistics with Applications*, vol. 1, (Eds.: A. Adhikari, M. R. Adhikari and Y.P. Chaubey), Asian Books Private Limited, India, New Delhi.
3. Hachem, C., K. Bartlett, P. Fazio, J. Rao, Y. Chaubey, (2009). Sampling and evaluation of mold related volatile organic compounds in full scale stud cavities. In the Proceedings of the Second ASTM Symposium on Heat-Air-Moisture Transport: Measurements and Implications in Buildings, Vancouver, April 19 - 20.
4. Chaubey, Y.P. and Sen, Debaraj (2002). On an estimator of mean in inverse Gaussian population. *Proceedings of the 5th International Symposium on Optimization and Statistics*, Department of Statistics and Operations Research, Aligarh Muslim University, Aligarh-202002, India, pp. 246-263.
5. Tripathi, T.P. and Chaubey, Y.P. (2000). Estimators for finite population mean vector based on multivariate auxiliary information. In *Current Developments in Survey Sampling*, Ed. A.K.P.C. Swain, Modern Book Depot Unit, Bhubaneswar, India, 41-53.
6. Chaubey, Y.P. and Venkateswarlu, K.(2000). Robust estimators for the one-way variance components model. In *Advances on Methodological and Applied Aspects of Probability and Statistics*, Ed.: N. Balakrishnan, Gordon and Breach Science Publishers, Canada, 241-249.
7. Chaubey, Y.P. and Sen, P.K. (2000). Tail-behavior of survival function and their smooth estimators. In *Perspectives in Statistical Sciences*, Ed.: A.K. Basu *et. al*, Oxford University Press.
8. Chaubey, Y.P. and Sen, P.K. (1998). On smooth functional estimation under random censorship. In *Frontiers in Reliability*, vol. 4, Series on Quality, Reliability and Engineering Statistics, Ed.: A.P. Basu *et al.*, Singapore: World Scientific Publishing Co. Pvt. Ltd., 83-97.
9. Chaubey, Y.P. and Sen, P.K. (1998). On smooth estimation of hazard and cumulative hazard functions. In *Frontiers of Probability and Statistics*, Ed.: S.P. Mukherjee *et al.*, New Delhi: Narosa Publishing House, 91-99.
10. Tripathi, T.P. and Chaubey, Y.P. (1998). Optimum probabilities of selection in PPS-sampling based on super-population model and multivariate information. In

Frontiers of Probability and Statistics, Ed.: S.P. Mukherjee *et al.*, New Delhi: Narosa Publishing House, 365-369.

11. Chaubey, Y.P., Mudholkar, G.S. and Smethurst, P.A. (1993). On entropy-based goodness-of-fit tests: A practical strategy. In *Probability and Statistics*, (Proceedings of the First International Triennial Calcutta Symposium on Probability and Statistics, December 27 1991- Jan 1, 1992, Calcutta, India) Ed.: Bimal K. Sinha and S.K. Basu, New Delhi: Narosa Publishing, 116-120
12. Chaubey, Y.P., Kollia, G. and Mudholkar, G.S. (1992). Approximations for sampling distributions: The case of classical kurtosis statistics. *Proceedings of the International Symposium on Optimization and Statistics*, Dec 18-21, 1989, Aligarh Muslim University, India.
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Non-Refereed:

1. Chaubey, Yogendra P., Nebebe, Fasil, Dzielowski, Krzysztof and Sen, Debaraj (2003) Estimation of Joint Distribution from Marginal Distributions, Proceedings of the Survey Research Methods Section, American Statistical Association, pp. 883-889.
2. Chaubey, Y.P., Sen, Pranab K. and Zhou, X. (2002). A nonparametric regression smoother for nonnegative data, Proceedings of ICRASS (International Conference on Recent Advances in Survey Sampling, Carleton University, Ottawa, ONT, July 10-13, 2002.), CDROM, LRSP, Carleton University, Ottawa, Canada.
3. Chaubey, Y.P. and Nebebe, F. (1999). Bayesian analysis of one-way data following inverse Gaussian distribution. *Proceedings of the Section on Bayesian Statistical Science*, 166-170.
4. Chaubey, Y.P. and Crisalli, A.N. (1995) Adjustment of inclusion probabilities in case of non-response. *Proceedings of the Survey Methods Section, SSC Annual Meeting*, July 1995, 75-79.

5. Chaubey, Y.P. and Talukder, A.B.M.N.E. (1994). A likelihood ratio type test for testing heteroscedasticity. *ASA Proceedings of Business and Economic Statistics Section*.
6. Chaubey, Y.P. and Li, W. (1993). Estimation of fraction defectives through batch sampling. *Proceedings of Industrial Statistics and Quality Improvement Conference*, August 20-22, 1993, Oakland University, Rochester, ASA Proceedings of the Quality and Productivity Section.
7. Chaubey, Y.P.(1987). Edgeworth expansions with mixtures and applications. *Contributed Papers*, 46th Session of ISI, TOKYO, 63-64.
8. Singh, B., Chaubey, Y.P. and Dwivedi, T.D.(1985). An almost unbiased ridge estimator. *Contributed Papers*, 45th Session of ISI, Amsterdam, 639-640.
9. Chaubey, Y.P. and Talukder, A.B.M.N.E.(1983). A Bayesian analysis for the ratio of two variances in linear models with common parameters. *Proc. Amer. Statist. Assoc. - Bus. Econ. Sec.*, 576-579.
10. Chaubey, Y.P.(1981). Efficiencies of some estimators of parameters of two linear models. *Contributed Papers*, Book2, 43rd Session of ISI, Buenos Aires.
11. Chaubey, Y.P. and Gabor, G.(1979). Invariant Estimation of Regression Parameters in Errors in Variables Models. *Contributed Papers*, 42nd Session of ISI, Manila, 95-98.
12. Chaubey, Y.P.(1978). Testing the Equality of the Variances of Two Linear Models. *Proc. Amer. Statist. Assoc. - Bus. Econ. Sec.*, 331-338.

(C) Books and Book Reviews:

1. *Some Recent Advances in Mathematics and Statistics* (2013) (Ed.: Y.P. Chaubey), (2013) World Scientific Pvt. Ltd., Singapore.
2. *Contemporary Topics in Mathematics and Statistics with Applications*, (2012) (Ed.: A. Adhikari, M.R. Adhikari and Y.P. Chaubey) Asian Books Private Limited, India, New Delhi.
3. *Recent Advances in Statistical Methods*, (2002) (Ed.: Y.P. Chaubey), Imperial College Press, London.
4. *Resampling Methods: A Practical Guide to Data Analysis*, by Philip I. Good, Book Review, *Technometrics*(2000), 42, 311.
5. *Resampling Based Multiple Testing*, by Peter H. Westfall and S. Stanley Young., Book Review, *Technometrics*(1993), 35, 450-451.
6. *Topics in Applied Statistics - Proc. of Stat '81 Canada*, Ed: Y.P. Chaubey and T.D. Dwivedi, Pub: Concordia University Press, Montreal

6. Conference Presentations/invited Talks, Lectures, Seminars and Symposia

Conference Presentations:

1. Chaubey, Y.P. and Li, J. (2013). Smoothing Parameter Selection for Nonparametric Density Estimation for Length-biased Data: A Bayesian Perspective. *Invited Paper*, ISBA Regional Meeting and International Workshop/Conference on Bayesian Theory and Applications (IWCBTA) January 6-10, 2013; Banaras Hindu University, Varanasi, India.
2. Chaubey, Y.P. and Sen, P.K. (2013). Nonparametric Estimation of End Point of the Data. *Invited Paper*, IISA-2013 Conference, Jan 2-5, 2013, Chennai, India.
3. Chaubey, Y.P., Singh, M. and Sen, D. (2013). On Symmetrizing and Variance Stabilizing Transformations. *Invited Talk*, International Conference on *Recent Advances in Mathematical Statistics and its Applications in Applied Sciences*, Gauhati University, Guwahati, India, January 1-2, 2013.
4. Chaubey, Y.P. and Sen, P.K. (2012). On Nonparametric Estimators of the Density of a Non-negative Function of Observations. *Invited Paper*, The Eighth International Triennial Calcutta Symposium on Probability and Statistics, December 27 - 30, 2012, Kolkata, India.
5. Chaubey, Y.P. and Chesneau, C. (2012). Some Recent Developments on the Wavelet Based Density Estimation for Biased data. *Invited Talk*, Presented at the 5th International Conference of IMBIC, Kolkata, India, December 21-23, 2012.
6. Chaubey, Yogendra P. and Li, Jun (2011). On Nonparametric Density Estimation for Length Biased Data. *Invited Paper*, The 5th International Conference of Institute for Mathematics, Bioinformatics, Information Technology and Computer Science, Dec 18-20, 2011, Kolkata, India.
7. Howlader, T. and Chaubey, Y.P. (2009). Wavelet-based noise reduction of cDNA microarray images. *Invited Paper*, International Conference on Frontiers of Interface Between Statistics and Sciences, University of Hyderabad, India, Dec 30, 2009-Jan. 2, 2010.
8. Chaubey, Y.P. (2007). Modeling of distribution for excess-of-loss insurance data. *Contributed Paper*, IME 2007: 11th International Congress on insurance: Mathematics and Economics, University of Piraeus, Greece, July 10-12, 2007.
9. Chaubey, Y.P. (2007). Estimation of distinct elements of a covariance matrix: MINQUE and MINQE. *Invited Paper*, The 16th international Workshop on Matrices and Statistics, University of Windsor, Windsor, Ont., June 1-3, 2007.
10. Chaubey, Y.P. (2006). Smooth estimation of mean residual life under random censoring. *Invited Paper*, Sixth International Triennial Calcutta Symposium on

- Probability and Statistics, Calcutta University, Kolkata, India, December 29-31, 2006.
11. Chaubey, Y.P. (2006). Smooth estimation of multivariate distribution and density functions. *Invited Paper*, International Conference on Multivariate Statistical Methods in the 21st Century. Indian Statistical Institute, Kolkata, India, December 28-29, 2006.
 12. Chaubey, Y.P., Sen, Arusharka and Sen, Pranab, K. (2005). Smooth estimation of mean residual life under random censoring, *Contributed Paper*, 33rd Annual Meeting of the Statistical Society of Canada, University of Saskatchewan, June 12-15, 2005.
 13. Chaubey, Y.P. (2004). Smooth estimation of a multivariate distribution and density function on restricted support. *Invited Paper*, International Conference on Future of Statistical Theory, Practice and Education, Hyderabad, India, December 29, 2004 - January 1, 2005.
 14. Chaubey, Y.P. (2004). Inference on overlap in two inverse Gaussian Populations. *Invited Paper*, SCRA 2004 - FIM XI, International Conference on Interdisciplinary Mathematical and Statistical Techniques, Lucknow, India, December 27-29, 2004.
 15. Chaubey, Y.P. (2003). On a comparison of randomized response technique and group response technique for eliciting sensitive information. *Invited Paper*, IMS sponsored mini-meeting on Statistics in Social science and Agricultural Research, Visva-Bharati, Santiniketan, India, December 20-21, 2003.
 16. Chaubey, Y.P., Sen, Arusharka and Sen, Pranab, K. (2003). On a generalization of a smooth estimator of survival and density function. *Invited Paper*, Fifth International Triennial Calcutta Symposium on Probability and Statistics, Calcutta University, Kolkata, India, December 28-31, 2003.
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 20. Chaubey, Yogendra P., Mishra, S.N. and Sen, Debaraj (2003). Measures of overlap for inverse Gaussian populations, *Contributed Paper*, 31st Annual Meeting of the Statistical Society of Canada, Dalhousie University, June 8-11, 2003.

21. Chaubey, Y.P. and Sen, Debaraj (2002). On an estimator of mean in inverse Gaussian population. *Invited Paper*, 5th International Symposium on Optimization and Statistics, Department of Statistics and Operations Research, Aligarh Muslim University, Aligarh-202002, India.
22. Chaubey, Y.P., Nebebe, F. and Goyal, S.(2002). On Continuous review stock control with multiple suppliers and positive lead times, *Contributed Paper*, Joint Statistical Meetings, American Statistical Association, New York, USA, August 11-156, 2002.
23. Chaubey, Y.P. and Sen, Pranab K. (2002). Another look at the kernel density estimator for nonnegative data, *Invited Paper*, Fourth Biennial Conference on Statistics, Probability and Related Topics, Northern Illinois University, Dekalb, IL, USA, June 14-16, 2002.
24. Chaubey, Y.P., Sen, Pranab K. and Zhou, X. (2002). A nonparametric regression smoother for nonnegative data, *Invited Paper*, International Conference on Recent Advances in Survey Sampling, Carleton University, Ottawa, ON, July 10-13, 2002.
25. Chaubey, Y.P. and Sen, Pranab K. (2002). Another look at the kernel density estimator for nonnegative support, *Contributed Paper*, The thirtieth annual meeting of Statistical Society of Canada, McMaster University, Hamilton, ON, May 26-29, 2002.
26. Chaubey, Y.P. (2001). On Hille's theorem and statistical applications, *Invited Paper*, International Conference on Statistical Inference and Reliability, Panjab University, Chandigarh, India, October 10-11, 2001.
27. Chaubey, Y. P. and Sen, P. K. (2000). Smooth Isotonic Estimation of Density, Hazard and MRL functions, *Invited Paper*, 4th International Triennial Calcutta Symposium, Dec.26-28, 2000.
28. Chaubey, Y.P. and Kocher, S. (2000). Smooth Estimation of Stochastically Ordered Survival Functions, *Invited Paper*, International Conference on Statistics in the 21st Century, University of Maine, Orono, USA, June 29- July 1, 2000.
29. Chaubey, Y.P. (2000). Statistical Simulation and Application, *Plenary Lecture*, National Conference on Operations Research and Information Technology, Dr. B.R. Ambedkar University, Agra, INDIA, April 2-3, 2000.
30. Chaubey, Y.P. (2000). Application of Bernstein Polynomials for smooth estimation of survival functions. *Invited paper*, National Conference on Operations Research and Information Technology, Dr. B.R. Ambedkar University, Agra, INDIA, April 2-3, 2000
31. Chaubey, Y.P. and Crisalli, A.N. (2000). The Generalized Smoothing Estimator, *Contributed Poster Presentation*, Statistical Society of Canada, Annual Meeting, June 4-7, 2000.

32. Chaubey, Y.P. and Crisalli, A.N. (2000) The generalized smoothing estimator of the population mean in survey sampling, *Invited Paper* in the session Symposium on Data Analysis and Computing of the Statistics section at the 87th Indian Science Congress, University of Pune, January 3-8, 2000
33. Chaubey, Y.P. (1999). Smooth estimation of survival and density functions, *Invited Paper*, Sixth International Conference on Statistics, Combinatorics and Related Areas, University of South Alabama, December 18-20, 1999.
34. Chaubey, Y.P. and Nebebe, F. (1999). Bayesian analysis of one-way data following inverse Gaussian distribution. *Contributed Paper*, 1999 Joint Statistical Meetings, Baltimore, MD, August 8-12, 1999.
35. Chaubey, Y.P. (1999). A non-parametric estimator of Dose-Response Curve. *Contributed Paper*, 27th Annual Meeting of Statistical Society of Canada, University of Regina, Regina, SK, June 6-9, 1999.
36. Chaubey, Y.P. and K. Venkateswarlu (1999). A numerical study of robust estimators of variance components in one way model. *Invited Paper* , 2nd IISA Conference, McMaster University, Hamilton, October 10-11 ,1998.
37. Chaubey, Y.P. (1999). Hypothesis testing by examples: A power function approach. *Contributed Paper*, Vth International Conference on teaching of Statistics, Singapore, June 21-26, 1998.
38. Chaubey, Y.P. (1997). Inverse Gaussian Regression: Asymptotics and Numerical Investigation of the Bootstrap, *Invited Paper*, International Conference on Combinatorics, Information Theory and Statistics, July 18-20, 1997, University of Southern Maine, Portland, Maine.
39. Chaubey, Y.P. (1997). On smooth estimation for distribution function and related functionals in survival analysis, *Invited Paper*, Symposium on Nonparametric Functional Estimation, University de Montreal, October 13-24, 1997.
40. Chaubey and Sen, P.K. (1997). Tail-behavior of survival function and their smooth estimators, *Invited Paper*, Third International Triennial Calcutta Symposium on Probability and Statistics, Calcutta, India, December 26-28, 1997.
41. Chaubey, Y.P. and Ahmad, M. (1997). Bayesian estimation of the size of a population under a sequential sampling design, *Invited Paper*, International Conference on Combinatorics, Information Theory and Statistics, Dec. 18-21, 1997, Banaras Hindu University, Varanasi, India.
42. Chaubey, Y.P. and Sen, P.K. (1997) Smooth Estimation of Mean Residual Life; Lukacs Symposium, *Invited Paper*, Bowling Green University, April 25-27, 1997.
43. Chaubey, Y.P. and Crisalli, A.N. (1995) Adjustment of inclusion probabilities in case of non-response. *Contributed Paper*, 23rd Annual Meeting of Statistical Society of Canada, July 1995, Montreal, Canada.

44. Chaubey, Y.P. and Talukder, A.B.M.N.E. (1994). A likelihood ratio type test for testing heteroscedasticity. *Contributed Paper*, 154th Annual Meeting of American Statistical Association, Toronto, Canada.
45. Chaubey, Y.P. , Nebebe, F. and Chen, P.S. (1994). Small area estimation under an inverse Gaussian Model. *Contributed Paper*, 154th Annual Meeting of American Statistical Association, Toronto, Canada.
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47. Chaubey, Y.P. and Tripathi, T.P. (1993). Near optimum probabilities of selection in varying probability sampling. *Contributed Paper*, Indian Science Congress, Goa, India, 1993.
48. Chaubey, Y.P., Mudholkar, G.S. and Smethurst, P.A. (1991). On entropy-based goodness-of-fit tests: A practical strategy. *Invited Paper*, First International Triennial Calcutta Symposium on Probability and Statistics, Dec. 27 1991- Jan. 1, 1992, Calcutta, India.
49. Chaubey, Y.P. and Sim, A.B. (1990). A comparison of bootstrap, jackknife, maximum likelihood and some other methods for estimation in multiplicative models. *Contributed Paper*, 2nd World Congress of Bernoulli Society, Uppsala, Sweden, August 12-19, 1990, SSC Annual Meeting, May 1990 .
50. Chaubey, Y.P.(1988). Estimation in a Random Coefficient Regression Model: A Selected Review, Annual Meeting of Statistical Society of Canada, Victoria, B.C. June 8, 1988.
51. Chaubey, Y.P. (1987). Edgeworth Expansions with Mixtures and Applications, *Contributed Paper*, 46th Session of International Statistical Institute, Tokyo.
52. Chaubey, Y.P. and B. Singh(1985). Almost Unbiased Estimation in Multiplicative Models, *Contributed Paper*, Vth World Congress of the Econometric Society, Boston.
53. Singh, B. and Y.P. Chaubey(1985). On Some Improved Ridge Estimators, *Contributed Paper*, Vth World Congress of Econometric Society, Boston.
54. Singh, B.,Chaubey, Y.P and T.D. Dwivedi(1985). An Almost Unbiased Ridge Estimator, *Contributed Paper*, 45th Session of International Statistical Institute, Amsterdam.
55. Chaubey, Y.P. and M. Belinsky(1983). Confidence Intervals of Variance Components in Three Way Cross-Classification Model, *Contributed Paper*, SSC Annual Meeting, Vancouver, B.C.
56. Chaubey, Y.P. and Talukder, A.B.M.N.E.(1983). A Bayesian Analysis for the Ratio of two Variances of Linear Models with Common Parameters, *Contributed Paper*, Annual ASA meeting, Toronto, Ontario.

57. Chaubey, Y.P.(1983). Estimators of Covariances in Time Series Models, *Contributed Paper*, XIIIth International Conference on Stochastic Processes and Their Application, Joint with Vth Annual Conference of the Indian Society for Theory of Probability and its Applications, Varanasi, INDIA
58. Chaubey, Y.P., Dwivedi, T.D., Nagar, A.L. and Singh, M.(1982). On the Exact Moments of Two Stage Least Squares Estimator of Parameters in Simultaneous Linear Equations Model, *Contributed Paper*, Golden Jubilee Conference of ISI Calcutta, INDIA.
59. Chaubey, Y.P., Dwivedi, T.D. and Singh, M.(1981). Two-Stage Robust Regression, Statistics'81 CANADA, *Contributed Paper*, Concordia University, Montreal, Quebec.
60. Srivastava, V.K., Dwivedi, T.D., Chaubey, Y.P. and Bhatnagar, S.(1981). On Finite Sample Properties of Beale's Ratio Estimator, *Contributed Paper*, International Symposium on Statistics and Related Topics, Carleton University, Ottawa.
61. Chaubey, Y.P.(1981). Efficiencies of Some Estimators of Parameters of Two Linear Models, *Contributed Paper*, 43rd Session of International Statistical Institute, Buenos Aires.
62. Chaubey, Y.P. and G. Gabor(1979). Invariant Estimation of Regression Parameters in Errors in Variables Model, *Contributed Paper*, 42nd Session of International Statistical Institute, Manila.
63. Chaubey, Y.P. and Gabor, G.(1979). Restricted Maximum Likelihood Estimators of Common Mean of Two Normal Populations, *Contributed Paper*, Annual SSC Meeting, Saskatoon, Saskatchewan.
64. Chaubey, Y.P. (1979). Method of MINQUE in Linear Model with Intra-class Covariance Matrix, *Contributed Paper*, Conference on g-Inverses, Linear Models and Applications, Ohio State University, Ohio, June 1979.
65. Chaubey, Y.P. (1979). Testing Homogeneity of the Variances of a Series of Linear Models, *Contributed Paper*, Statistical Climatology Conference, Hachioji, Tokyo, JAPAN.
66. Chaubey, Y.P. (1978). Testing the Equality of Variances of two Linear Models, *Contributed Paper*, Annual ASA Meetings, Sandiego, CA.
67. Chaubey, Y.P. and Rao, P.S.R.S.(1976). Efficiency of Five Estimators for the Parameters of Two Linear Models, *Contributed Paper*, Annual ASA meetings, Boston, MASS.

Lectures:

1. Département de mathématiques et statistique, Université Laval, *Invited Talk*, March 3, 2011
 "On Nonparametric Density Estimation for Length Biased Data"

2. Department of Mathematics and Statistics, University of Calgary, *Invited Talk*, April 23, 2009
“On a Method of Histogram Smoothing and Application in Nonparametric Density Estimation.”
3. *Key Note Speaker*: International Conference on New trends in Statistics and Optimization, October 20-23, 2008, University of Kashmir, Srinagar, India
4. Institute of Research in Medical Statistics, ICMR, Delhi, India. *Invited Talk*, January 23, 2004
”Randomized Response Technique: An Introduction”
5. Department of Mathematics and Statistics, McMaster University. *Invited Talk*, February 26, 2003.
On Hille’s theorem and Statistical Applications”
6. UQAM, Department de Mathematiques, Montréal, QC; Joint UQAM/Concordia Statistics Seminar, November 2, 2001
“On Hille’s Theorem and Statistical Applications”
7. Université Laval , Département de Mathematiques et de Statistique, QC., October 10, 2001
“On Hille’s Theorem and Statistical Applications”
8. Dr. B.R. Ambedkar University, Dau Dayal Institute of Operations Research, Agra, India, April 4, 2000
“Statistical Simulations and Applications”
9. Kalindi College (University of Delhi), New Delhi, India, Feb 15, 2000.
“Randomized Response Technique for obtaining sensitive information in a sample survey”
10. University of Jammu, Jammu, India
Delivered two seminars on March 27, 2000.
Topic: Smooth Estimation of Survival and Related Functions
11. Indian Statistical Institute, Delhi Center, New Delhi, India Delivered two seminars during Feb 1 - Mar 31, 2000.
Topic: Smooth Estimation of Survival and Related Functions.
12. University of Pune, Department of Statistics, Pune, INDIA
Delivered three seminars during Jan 11 - 29, 2000.
Topic: Smooth Estimation of Survival and Related Functions.
13. University of Bialystoc, Institute of Mathematics, Bialystoc, April 28, 1999
“Role of Statistics in Modern Society”
14. N.D. University of Agriculture and Technology,, Department of Statistics, Narendra Nagar (UP) India, July 1998.
“Statistics: An understanding of Chance Phenomenon”

15. University of North Carolina, Chapel Hill, Department of Biostatistics, July 27, 1995
"Smooth Estimation in Survival Analysis"
16. Lucknow University, Lucknow, India
"Small Area Estimation based an Inverse Gaussian Super Population Model", July 15, 1994.
17. Banaras Hindu University, Varanasi, India
"Use of multivariate information for obtaining near optimum probabilities of selection in varying probability sampling", February 1993.
18. Indian Statistical Institute, Calcutta, India
"Improved estimation of finite population mean based on paired observations", March 1993.
19. Carleton University, Department of Mathematics and Statistics
"Estimation in Multiplicative Linear Models", April 20, 1991.
20. Delhi School of Economics, Delhi, INDIA
"Almost Unbiased Estimation in Multiplicative Models", July 1986
21. Division of Theoretical Statistics and Division of Applied Statistics, Surveys and Computer Science, September 1985
(i) "Some Investigations About the Properties of the Product Estimator in Finite Population Sampling"
(ii) "Some Investigations on the Properties of Product Estimator" April 1986
22. Department of Mathematics and Statistics, University of Pittsburgh, Pennsylvania
"Almost Unbiased Estimation in Multiplicative Models" May, 1985
23. Banaras Hindu University, Department of Mathematics, Varanasi, INDIA
"Jackknifing the ridge Estimator" September, 1985
24. Department of Mathematics, Statistics and Computer Science Dalhousie University, Halifax
"Best Minimum Bias Linear Estimators in Linear Models" October, 1981
25. Mathematics Student Association ,Department of Mathematics, Concordia University
"Prediction Using Linear Models" November, 1984
26. Department of Mathematics, Carleton University, Ottawa, ONT
"Minimum Norm Quadratic Estimation and Its Modifications" December, 1977

Seminars and Symposia:

Invited Participant: International Conference on Mixed Linear Models, Florida State University, Gainesville, Florida, May 1985

7. TECHNICAL REPORTS

1. Khurana, M., Chaubey, Y. P. and Chandra, S. (2012). Jackknifing The Ridge Regression Estimator: A Revisit. Technical Report No. 1/12, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
2. Chaubey, Yogendra P. and Sen, Pranab K. (2008). On the Selection of the Smoothing Parameter in Poisson Smoothing of Histogram Estimator: Computational Aspects, Technical Report No. 5/08, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
3. Chaubey, Y.P., Laib, N. and Sen, A. (2008). A Smooth Estimator of Regression Function for Non-Negative Dependent Random Variables, Technical Report No. 2/08, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
4. Chaubey, Yogendra P., Sen, Arusharka and Sen, Pranab K. (2007). A New Smooth Density Estimator for Non-negative Random Variables. *Technical Report 01/07*, Department of Mathematics and Statistics, Concordia University, Montreal, Canada.
5. Chaubey, Y.P., DeSouza, C.M. and Nebebe, F. (2003) . Bayesian inference for small area estimation under the inverse Gaussian model via Gibbs Sampling, Technical Report No. 4/03, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
6. Babu, G.J. and Chaubey, Y.P. (2003) . Smooth estimation of a distribution and density function on a hypercube using Bernstein polynomials for dependent random vectors, Technical Report No. 2/03, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
7. Chaubey, Y.P. and Crisalli, A. (2002) . The generalized smoothing estimator, Technical Report No. 1/02, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
8. Chaubey, Yogendra P. and Sen, Pranab K. (2002). Smooth Isotonic Estimation of Density, Hazard and MRL Functions, *Technical Report No. 2/02*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
9. Chaubey, Yogendra P. and Crisalli, A. (2002). The Generalized Smoothing Estimator, *Technical Report No. 1/02*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
10. Chaubey, Yogendra P. and Pitselis, Georgios (1998). Robust Multiple Regression with Purely Random Coefficients, *Technical Report No. 1/98*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
11. Ahmad, M. and Chaubey, Yogendra P. (1998). Bayesian Estimation of the Size of a Population under a Sequential Sampling Design, *Technical Report No. 7/98*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.

12. Chaubey, Yogendra P., Garrido, Jose and Trudeau, Sonia(1997). On the Computation of Aggregate Claims Distribution: Some New Approximations *Technical Report No. 7/97*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
13. Chaubey, Yogendra P. and Sen, Pranab K.(1997) On Smooth Estimation of Distribution Function and Related Functionals in Survival Analysis. *Technical Report No. 5/97*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
14. Ahmad, M. and Chaubey, Y.P. (1997). On a sequential sampling design with multiple repeats for estimating population size. *Technical Report No. 3/97*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
15. Ding, Y. and Chaubey, Y.P. (1997). Optimality of partially augmented design, *Technical Report No. 2/97*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
16. Chaubey, Y.P. and Li, W. (1996). A relative efficiency comparison of Bayes estimators in randomized response technique and group response technique. *Technical Report No. 1/96*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
17. Ahmad, M., Alalouf, S. and Chaubey, Y.P. (1996). Estimation of population total when population size is unknown. *Technical Report No. 4/95*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
18. Chaubey, Y.P. and Crisalli, A.N. (1995) Adjustment of inclusion probabilities in case of non response. *Technical Report No.3/95*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
19. Ahmad, M., Alalouf, S. and Chaubey, Y.P. (1993) A comparison of three sampling strategies for estimating population size. *Rapport de recherche no 249*, Department de mathematiques et d'informatique, Universite du Quebec a Montreal, Montreal, QC.
20. Chaubey, Y.P. and Li, W. (1995). Group response technique: An alternative to randomized response technique. *Technical Report No. 5/95*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
21. Babu, G.J. and Chaubey, Y.P. (1993). Asymptotics and bootstrap for inverse Gaussian regression. *Technical Report No.2/93*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
22. Chaubey, Y.P. and Sen, P.K. (1993). On smooth estimation of survival and density functions. *Technical Report No. 1/93*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
23. Chaubey, Y.P. and Sen, P.K. (1992). A smooth estimator of survival function. *Technical Report No. 9/92*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.

24. Chaubey, Y.P., Mudholkar, G.S. and Smethurst, P.A. (1991). On entropy-based goodness-of-fit tests: A practical strategy. *Technical Report No.2/91*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
25. Chaubey, Y.P. (1990) A study of ratio and product estimators under a super population model. *Technical Report No. 5/90*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
26. Chaubey, Y.P. and Srivastava, T.N. (1990). Approximation to the distribution of order statistics for various populations. *Technical Report No.3/90*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.
27. Chaubey, Y.P. and Srivastava, T.N. (1990). On a multiplicative damage model and characterization of some distributions useful in growth models. *Technical Report No. 1/90*, Department of Mathematics and Statistics, Concordia University, Montreal, QC.

8. RESEARCH GRANTS AND AWARDS

- Graduate Studies, Dalhousie University, 1977, \$500
- NSERC Operating Research Grant, 1978-79, \$1443
- 1979-80, \$1494
- 1980-81, \$1494
- 1981-82, \$3270
- 1982-83, \$3777
- 1983-84, \$4004
- 1984-85 to 1986-87 \$7000/yr
- 1987-88 to 1989-90 \$7958/yr
- 1990-91 to 1992-93 \$7460/yr
- 1993-94 to 1996-97 \$7000/yr
- 1997-98 \$9000
- 1998-99 \$9900
- 1999-00 \$10395
- 2000-01 \$10395
- 2001-04 4 Year Research Grant, \$12,000/Yr.
- 2005-10 5 Year Research Grant, \$14,000/Yr.
- 2011-16 5 Year Research Grant, \$13,000/Yr.
- NSERC Equipment Grant, Work Station 1991-92, \$13595.00
- NSERC Equipment Grant, Work Station 1994-95, \$10107
- NSERC Equipment Grant, Work Station 1996-97, \$20156
- NSERC Equipment Grant, Work Station 1998-99, \$20200
- NSERC Equipment Grant, Work Station 2002-03, \$40426

- Bell University Labs Research Grant 2002-03, \$31,000
- General Research Fund, Concordia University
 - 1998-99, \$2840.00
 - 1997-98, \$2500.00
 - 1996-97, \$1560.00
 - 1995-96, \$2561.00
 - 1994-95, \$2840.00
 - 1993-94, \$2500.00
 - 1991-92, \$2000.00
 - 1990-91, \$3000.00
 - 1988-89, \$2000.00
- Sacre Coeur Hospital 1990-91, \$1500.00
- CMS Annual Seminar Scholarship, Carleton University, Ottawa, 1981
- FCAC Operating Research Grant, 1984-85, \$8927
- Faculty of Graduate Studies, Dalhousie University, 1979, \$282
- CASA, Conference Grant, Concordia University
 - 1979, \$646
 - 1981, \$680
 - 1983, \$280
 - 1991, \$600
 - 1993, \$600

9. REVIEW AND OTHER ASSESSMENT OF ACADEMIC WORK

1. External Program Reviewer, Department of Mathematics and Statistics, Carleton University, March 2011.
2. Examiner, PhD Thesis: Shabnam Chitsaz, University of Windsor, April 2012
3. Examiner, PhD Thesis: Alomgir Hossain, University of Saskatchewan, November 2011
4. Examiner, PhD Thesis: Parviz Malekzadeh, University of Pune, Pune, India, September 2011.
5. Examiner, PhD Thesis: P.G. Sarvanan, Bharthiar University, Coimbtore, India, September 2011.
6. Ajay Singh, "An Epidemiological Study on HIV/AIDS: A Hospital Based Study", Examiner, PhD Thesis, BHU, Varanasi, India, May 2010.
7. Qunshu Ren, "Contributions to Level Set Estimation, Nonparametric Regression, Confidence Intervals from Imputation Data and Longitudinal Marginal Logistic

- Regression Model on Survey Data”, External Examiner, Ph.D. Thesis, Carleton University, November 2007
8. Prem Chandra, ”Biostatistical Aspects of Randomized Clinical Trials on Remnant Ablation in Differentiated Thyroid Cancer”, Examiner, Ph.D. Thesis of , AIIMS, India, September 2006
 9. Moloy De, ”Some Contributions to Two Estimation Problems: Estimation of Common Mean and Size of a Finite Population”, Member. Board of Examiners, Ph.D. thesis, University of Calcutta, October 2005
 10. Andrea Benedetti, ”Generalized additive models in epidemiologic research”, External member, Ph.D. Thesis committee, Department of Epidemiology, Biostatistics and Occupational Health, McGill University, April 30, 2004.
 11. Changchun Xie, ”Hierarchical Quasi-Likelihoods and their applications”, External Examiner, Ph.D. thesis, Department of Mathematics and Statistics, University of Guelph, August 2003.
 12. Manuila Tausi, ”Estimating function variance estimation in complex surveys and combined classification”, External Examiner, Ph.D. Thesis, Carleton University, April 22, 2002.
 13. Esteban Flores, ”Robust Regression Methods for Insurance Risk Classification”, Internal Examiner, Ph.D. thesis, Concordia University, March 2002.
 14. Showkat Maqbool, ”Optimization Techniques in Statistics”, Ph.D. Thesis Examiner, Aligarh Muslim University, Aligarh, India, 2002.
 15. Kevin Laframboise, ”An empirical study of the relationship between quality practices and business performance excellence in central Canada”, External-to-Program Examiner, Ph.D. in Administration, Concordia University, October 2001.
 16. Dat Dao Nguyen, ”Forecasting macroeconomic models with artificial neural networks: An empirical investigation into the foundation for an intelligent system”, External-to-Program Examiner, Ph.D. in Administration, Concordia University, October 1999.
 17. Referee of many statistical journals(Commun. Stat., J. Stat. Plann. Inf, Technometrics, JASA, *Sankhyā*)
 18. Internal Examiners of many Statistics students, Department of Mathematics and Statistics, Concordia University.

2001-2005:

- Internal Examiner, Ph.D. Thesis, Yi Lu, Department of Mathematics and Statistics
 Title: On periodic and Markovian non-homogeneous Poisson processes and their applications in risk theory.
 Date: March 10, 2005.

- Internal Examiner, Ph.D. Thesis, Manuel Morales, Department of Mathematics and Statistics

Title: Generalized risk processes and Levy modeling in risk theory.

Date: April 14, 2003.

1999-2000:

M.Sc. Thesis Committee, Anna Nozza, Department of Mathematics and Statistics

Title: A Study of Estimators in Linear Models.

Date: December 22, 1999

M.Sc. Thesis Committee, Anthony Tippa, Department of Mathematics and Statistics

Title: A State Space Model for Inflation.

Date: April 18, 2000

1996-97:

M.Sc.Thesis Committee, M. Rahman, Department of Mathematics and Statistics
“Limit Theorems in Dynamical Systems”

M.Sc.Thesis Committee, S. Bhattacharya, Department of Mathematics and Statistics

- Pournamasi Panda, “Some Strategies in Two-stage Sampling Using Auxiliary Information” External Examiner, Ph.D. Thesis, Department of Statistics, Utkal University, Bhubaneswar, India, January 1998.
- Thuan Thach, “Bootstrap and Empirical Likelihood Methods for Non I.I.D. Models”, External Examiner, Ph.D. Thesis, Department of Statistics, University of Alberta, January 1998.
- Jun Cai, “A Unified Study of Bounds and Asymptotic Estimates for Renewal Equations and Compound Distributions with Applications to Insurance Risk Analysis”, Internal Examiner, Ph.D. Thesis, Concordia University, July 1998
- A.H. Mir, “Optimization in Sampling Designs using Multivariate Auxiliary Information”, External Examiner, Ph.D. Thesis, Department of Statistics, Aligarh Muslim University, Aligarh, India, 1995.
- B.K. Singh, “A Study of Some General Classes of Estimators in Sample Surveys under certain Models”, External Examiner Ph.D. Thesis, Banaras Hindu University, Varanasi, India, 1993.
- Grace Mwawasi, “ Approximations and asymptotic expansions for the distribution of Quadratic and Bilinear forms.” External Examiner, M.Sc. thesis, McGill University, External Examiner, 1992.
- A. Bar-Hen , External examiner, M.Sc. Thesis, McGill University, 1989.

- A.B. Sim, Internal Examiner, Ph.D. Thesis, Department of Economics, Concordia University
- D.N. Jairu, External examiner, M.A. Thesis in Statistics, McGill University
- Laura Winer, External examiner, M.A. Thesis, Educational Technology, Concordia University

10. CONTRACT RESEARCH AND CONSULTING

1. Professional Consulting on Data Analysis Project in Education Technical Assistant: R.K. Singh, Grant \$600.00
2. Professional Consulting on Sacre Coeur Research Project, 1991 Technical Assistant: P.S. Chen, Grant: \$2000.00
3. Department of Education, Dr. Lois Baron, Concordia University Consultation on “Research Proposal” , 1987
4. International Crops Research Institute for Semi-Arid Tropics, INDIA, 1986
“Variance Components Estimation in Agricultural Experiments with Application to ICRISAT DATA”
4. Montreal General Hospital, 1985
Consultation on “Protocol de Recherche”
5. SNC Inc, 1985
Prediction Model in Fuel-Air Explosive Facility”
6. SNC Inc, 1983
“Statistical Sampling Method for the UFFI Program Complaint Survey”
7. Bedford Institute of Oceanography, 1978
“A Probability Model for Fish Catch Using Sonar Device”

11. LIST OF THESIS AND GRADUATE PROJECTS

- M.Sc. Projects:
 - 2005-06:
Janardhan Baral, Department of Mathematics and Statistics
Project Title: Bias and Mean Squared Error of Misspecified Maximum Likelihood Estimators in Generalized Linear Mixed Models.
 - 2004-05:
Zhong Cai, Department of Mathematics and Statistics
Project Title: A comparison of Nonparametric Estimators of Survival Function with Right Censored Data

2002-03:

Lijuan Sun, Department of Mathematics and Statistics

Project Title: Investigation of a new class of Bayesian Estimators in Pareto excess-of-loss reinsurance and it's comparison with a nonparametric method

– 2001-02:

Zahid Naseer, Department of Mathematics and Statistics

Project Title: Bayesian Nonparametric survival analysis

Nadine Bensoussan, Department of Mathematics and Statistics

Project Title: Variance Estimation in Two Stage Cluster Sammpling

Nabil Sleiman, Department of Mathematics and Statistics

1995-96

Rodney Acteson, Department of Mathematics and Statistics

Project Title: A Study of the Distribution of the Sample Mean from an Asymmetric Finite Population

– B.Sc./M.Sc. Theses:

1. A Comparison Of Two Non-Parametric Density Estimators In The Context Of Actuarial Loss Model, M.Sc. Thesis Of Mengjue Tang, July 2011.
2. A comparison of Nonparametric Estimators of Survival Function with Right Censored Data, B.Sc. honours Thesis of Zhong Cai September 2005.
3. Assessing Power to Detect Gene-Environment Interactions Using Surrogate Outcomes: A Simulation Study, M.Sc. Thesis of Tamanna Howlader, August 2005.
4. A Comparison of Kernel and Bernstein Polynomial Estimators for Angular, B.Sc. honours Thesis of Wenhong Chen, August 2004.
5. On smooth estimation of survival function under MRL order, M.Sc. Thesis of Haipeng Xu, August 2004.
6. A New Three Parameter Life-time Distribution with Bath-Tub Shape Harazard Function, M.Sc. Thesis of Rui Zhang, August 2004.
7. Investigation of Tail Probability using Smoothed Estimation, M.Sc. Thesis of Serge Thiffeault, August 2004.
8. Convergence Rate Estimation through Subsampling, M.Sc. Thesis of Paul Papdiuk, September 2004.
9. Diagnostics in Generalized Linear Models, M.Sc. Thesis of Sonia Benghiat, June 2001.

10. Minimum Norm Quadratic Estimation of Variance Components with Restriction on Regression Parameters, M.Sc. Thesis of Prosanta Mondal, August. 2000.
 11. Classification and Discriminant Analysis, M.Sc. Thesis of Goldisse Fazelli, April 17, 2000.
 12. Accelerated Life Testing: Alternative Models, M.Sc. Thesis of Debaraj Sen, August 30, 1999
 13. Bayesian Estimation of the Population Size, M.Sc. Thesis of Alfred Nnadozie, 1996
 14. Differentes Techniques D'analyses-meta Appliquees a 6 Etudes Clinique Placebo-Controlees a Doubles Insu et en Chase-croise, M.Sc. Thesis of Stephane Bourque, (UQAM: Codirector with M. Ahmad), 1995.
 15. Behaviour of the Posterior Distribution of Common Mean in Case Two Normal Populations, M.Sc. Thesis of Jun Zhao, 1994.
 16. Smooth Estimation of Quantiles by Orthogonal Polynomials, M.Sc. Thesis of Bo Yang, 1994.
 17. Estimation of Parameters in Item Response Model of Psychological Testing, M.Sc. thesis of W. Li, June 1992.
 18. Estimation in the Inverse Gaussian Regression Model, M.Sc. thesis of Ravinder K. Singh, June 1992
 19. Inverse Gaussian Distribution and Analysis of Factorial Experiments, M.Sc. Thesis of N.N. Tarikere, June 1991
 20. Bayesian Estimators of Finite Population Total and Mean under Some Specified Prior Distributions, M.Sc. Thesis of Xiaoping Hu, March 1991
 21. Estimation of Parameters of Small Domains in Finite Populations, M.Sc. Thesis of P.S. Chen, September 1989.
 22. The Use of Auxiliary Information for Estimation in Finite Population Sampling, M.Sc. Thesis of L.S.W. Li Vong Shing, 1985.
 23. Test of Homogeneity of Variances of Normal Linear Models, M.Sc. Thesis of A.B.M.N.E. Talukder, 1983
 24. Some Aspects of Survival Analysis, M.Sc. Thesis of Robert Dan Mensah, 1981
- PhD. Theses:
1. Some Contributions to Nonparametric Estimation of Density and Related Functionals for Biased Data, PhD Thesis of Jun Li, November 2010.
 2. Wavelet-based Noise Reduction of cDNA Microarray Images, Ph.D. Thesis of Tammanna Howlader, June 2009.
 3. Some Inference Problems in Inverse Gaussian Data, Ph.D. Thesis of Debaraj Sen, October 2004.

4. Non Parametric Prediction in Survey Sampling and its Application in the Non-response Problem, Ph.D. Thesis of Anthony Crisalli, October 1999.
5. Some New Types of Designs in Conjoint Analysis, Ph.D. Thesis of Yuan Ding, July 1997
6. A Reliability and Validity study of Randomized Response Technique and its Alternative: Group Response Technique, Ph.D. Thesis of W. Li, November 1996.

12. ORGANIZATIONAL AND ADMINISTRATIVE EXPERIENCE

External:

- Organizer, Invited session on “Survival Analysis” at the International Statistics Conference at the University of Malaysia (ISCM05), December 27-31, 2005.
- Symposia Organizer, ”Nonparametric Estimation and Smoothing”, SCRA 2004 - FIM XI, International Conference on Interdisciplinary Mathematical and Statistical Techniques, Lucknow, India, December 27-29, 2004.
- Organizer and Chair, R.C. Bose Memorial Keynote Session, SCRA 2004 - FIM XI, International Conference on Interdisciplinary Mathematical and Statistical Techniques, Lucknow, India, December 27-29, 2004.
- Judge Panelist, R.S. Varma Memorial Student Paper Competition, SCRA 2004 - FIM XI, International Conference on Interdisciplinary Mathematical and Statistical Techniques, Lucknow, India, December 27-29, 2004.
- Member, Committee on Career Development, American Statistical Association, 2005-2007.
- Vice President, Forum for Interdisciplinary Mathematics (FIM), 2005–
- Member (Elected), Statistical Society of Montreal Board of Directors, 2002-04.
- Session Chair, Technical Session VI, , IMS sponsored mini-meeting on Statistics in Social science and Agricultural Research, Visva-Bharati, Santiniketan, India, December 20-21, 2003.
- Session Organizer and Chair, ”Non-parametric Density Estimation and Survival Analysis” at the conference, , SCRA 2003/FIM X, (International Conference on Statistics, Combinatorics and Related Areas), University of Southern Maine, Portland, USA, October 3-5, 2003.
- Member on International Advisory Committee, , SCRA 2003/FIM X, (International Conference on Statistics, Combinatorics and Related Areas), University of Southern Maine, Portland, USA, October 3-5, 2003
- Session Chair, Contributed Paper Session VIIA, International Conference on Recent Statistical Techniques in Life-Testing, Reliability, Sampling Theory and

- Quality Control. Banaras Hindu University, Varanasi, India, December 29-31, 2003.
- Member on the Advisory Board of International Conference on Recent Statistical Techniques in Life-Testing, Reliability, Sampling Theory and Quality Control. Banaras Hindu University, Varanasi, India, December 29-31, 2003
 - Associate Editor, Chilean Journal of Statistics 2009-
 - Associate Editor, Statistical Methodology 2003-
 - Member of the Editorial Board, Journal of Statistical Research 2002-
 - Editor, the SSC Liaison, the newsletter of Statistical Society of Canada 2004-2006.
 - President, Statistical Society of Montreal, 2000-2001.
 - Session Chair, Inaugural session of National Conference on Operations Research and Information Technology, April 2-3, 2000, Dr. B.R. Ambedkar University, Agra, India.
 - Expert member, Committee for formalization of the courses and syllabi of Bachelor of e-commerce, Dr. B.R. Ambedkar University, Agra, India, April 2000.
 - Judge, Best Paper for Young Scientist Award in Statistics Section, 87th Indian Science Congress, Pune, India, Jan 2000.
 - Member, Editorial Board, Aligarh Journal of Statistics, Aligarh Muslim University, India, 2002-
 - Member, Editorial Board, International Journal of Mathematical Sciences, Serial Publications, India. 2001-2006
 - Associate Editor, Annales des Sciences Mathématiques du Québec, 2001-
 - Treasurer, International Indian Statistical Association, 1992-1996.
 - 1st Vice President, Montreal Chapter of American Statistical Association, 1984-85.
 - President, Canada-India Community Forum, 1983-1985
 - Secretary, Montreal Chapter of American Statistical Association, 1983-1984

Internal:

- Chair, Department of Mathematics and Statistics, Concordia University, July 2005- May 2014.
- Member, Senate Committee on Academic Priorities and Planning(SCAPP), Concordia University, 1999-2006.

- Member, Faculty Research Committee, Arts and Science, Concordia University, 2001-03.
- Chair, Statistics Hiring Committee 2003-04
- Member, Actuarial Mathematics Hiring Committee, 2003-04
- Member, Departmental Personnel Committee, Department of Mathematics and Statistics, Concordia University, 1982-1983, 1983-1984, 1991-92, 1995-98, 2000-2005.
- Member, Computer Committee, Department of Mathematics, Concordia University, 2000-
- Member, Departmental Hiring Committee, Canada Research Chair, Department of Mathematics and Statistics, Arts and Science, Concordia University, 2002-04.
- Member, Advisory Search Committee for the Chair, Department of Mathematics and Statistics, Arts and Science, Concordia University, 2001.
- Acting Chair, Department of Mathematics and Statistics, Concordia University, July 1999-December 1999
- Associate Chair, Department of Mathematics and Statistics Concordia University, June 1997- June 1999; July 2004-June 2005.
- Curriculum Coordinator, Department of Mathematics and Statistics Concordia University, 1995-97
- Undergraduate Programme Director, Department of Mathematics and Statistics Concordia University, July 1992- June 1995, July 2002- June 2004.
- Graduate Programme Director, M.A./M.Sc., Department of Mathematics, Concordia University, 1983-1984.
- Chair, Statistics Group, Department of Mathematics, Concordia University, 1982-83.
- Member, Organizing Committee, Statistics '81 CANADA, An International Conference held at Concordia University, 1981.
- Chair, Organizing Committee, Statistics 2001 CANADA, An International Conference held at Concordia University, 2001.
- Chair, Organizing Committee, Statistics 2011 CANADA/IMST 2011 - FIM XX, An International Conference held jointly with Forum for Interdisciplinary Studies at Concordia University, 2011.
- Graduate Statistics Seminar Coordinator, Department of Mathematics, Concordia University, 1979-1985.

13. PROFESSIONAL ORGANIZATION MEMBERSHIP

- Statistical Society of Canada

- American Statistical Association
- Institute of Mathematical Statistics
- International Statistical Institute, Elected Member (2005)
- International Indian Statistical Association
- Bernoulli Society
- Indian Econometric Society
- Indian Science Congress