**Revised: January 2013**

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**CURRICULUM VITAE**

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A.     **BIOGRAPHICAL INFORMATION**

   1.     **PERSONAL**

Name:  MUNI SHANKER SRIVASTAVA
Citizenship:  Canadian

| Home Address: | University Address: |
|---|---|
| 44 Ames Circle | Department of Statistical Sciences |
| Toronto, Ontario M3B 3C1 | University of Toronto |
| Telephone/Fax:  (416) 441-2430 | 100 St. George Street |
| | Toronto, Ontario   M5S 3G3 |
| | Email: srivasta@utstat.toronto.edu |
| | Web: http://www.utstat.utoronto.ca/~srivasta/ |

   2.     **DEGREES**

Ph.D.   1964    Stanford University
Thesis: Optimum Procedures for Classification and Related Problems
Supervisor: Charles M. Stein

M.Sc.   1957    Lucknow University, India

B.Sc.   1955    Lucknow University, India

   3.     **HONOURS**

Honorary Member, Statistical Society of Canada, 2006

Gold Medal, Statistical Society of Canada, 2002

Fellow, American Statistical Association, 1986

Fellow, Royal Statistical Society, 1980

Fellow, Institute of Mathematical Statistics, 1980

Elected Member, International Statistical Institute, 1978

   4.     **EMPLOYMENT**

     1957-61          Assistant Professor, Department of Statistics, Lucknow University

     196l-63          Research Assistant, Stanford University

| 1963-66 | Assistant Professor, Department of Mathematics, University of Toronto |
|---|---|
| 1966-72 | Associate Professor, Department of Mathematics, University of Toronto |
| 1972-01 | Professor, Department of Statistics, University of Toronto |
| 2001- | Professor Emeritus, Department of Statistics, University of Toronto |

### Visiting Appointments:

| 1965-66 | Research Fellow, Princeton University |
|---|---|
| 1970-71 | Associate Professor, University of Connecticut |
| 1977-78 | Professor of Statistics, Math. Research Center & University of Wisconsin at Madison |
| 1977-78 | Professor of Statistics, Indian Statistical Institute |
| 2007 Spring | Distinguished Visiting Lukacs Professor, Bowling Green State University, Ohio USA |

### Administrative Appointments:

| 1982-83 | Director, Statistics Consulting Service, University of Toronto |
|---|---|
| 1981-82 | Chair, Pierre Robillard Award Committee |
| 1982-83 | Graduate Coordinator, University of Toronto |
| 1988-1989 | Chair, Statistics' Grant Selection Committee, Natural Sciences & Engineering Research Council of Canada |
| 1990-91 | Acting Chair, Department of Statistics, University of Toronto |
| 1993-94 | Chair, Awards Committee, Statistical Society of Canada |
| 1994-95 | Chair, Awards Committee, Statistical Society of Canada |

5. **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

Associate Editor, Can. J. of Statistics, 1972-1973, 1985-95
Comm. in Statistics, 1988-91,

Editorial Board: Int. Jour. of Math. & Statistical Sciences, 1991-2000

Editorial Board: Japanese Association of Mathematical Sciences, 2001-
Journal of Statistics and Applications 2005-

Member; NSERC, 1986-89

Member, Awards Committee, Statistical Society of Canada, 1992-1995, 2002-2005.

Member, Awards Committee, Statistical Society of Canada, 2003-2005

Member, Awards Committee, CRM-SSC, 2005-2007

6.   A.   **RESEARCH ENDEAVOURS**

Multivariate Analysis,  Sequential Analysis, and Quality Control.

B.   **RESEARCH AWARDS**

2012-2017     $12,000 per annum     NSERC

## SCHOLARLY & PROFESSIONAL WORK

7.   **Refereed Publications:**

191)   Kawakubo, Y., Kubikawa, T., and Srivastava, M.S. (2015). A variant of AIC using Bayesian marginal likelihood. arXiv:1503.07102 [stat.ME] 24 Mar 2015.

190)   Srivastava, M.S., Yanagihaza, H., and Kubokawa, T. (2014). Tests for covariance in high dimension with less sample size. J. Multivariate Analysis, 130, 289-309.

189)   Katayama, S., Kano,Y., and Srivastava, M.S. (2013). Asymptotic distributions of some test criteria for the mean vector with fewer observations than the dimension. J. Multivariate Analysis, 116, 410-421

188)   Kubokawa, T., Hyodo, M., and Srivastava, M.S. (2013). Asymptotic expansion and estimation of EPMC for linear classification rules in high dimension. J. Multivariate Analysis, 115, 496-515.

187)   Srivastava, M.S. and Kubokawa, T. (2013). Tests for multivariate analysis of variance in high dimension under non-normality. Journal of Multivariate Analysis, 115, 204-216.

186)   Srivastava, M.S., Katayama, S., and Kano, Y. (2013). A two sample test in high dimensional data. J. Multivariate Analysis, 114, 349-358.

185)   Srivastava, M.S., and Reid, N. (2012). Testing the structure of the covariance matrix with fewer observations than the dimension. J. Multivariate Analysis, 112, 156-171.

184)   Hyodo, M., Yamada, T., and Srivastava, M.S. (2012). A model selection criterion for discriminant analysis of high-dimensional data with fewer observations. J. Statistical Planning and Inference, 142, 3134-3145.

183)   Kubokawa, T., and Srivastava, M. S. (2012). Selection of Variables in Multivariate Regression Models for Large Dimensions. Communication in Statistics-Theory and Methods, 41:13-14, 2465-2489.

182)   Yamada, T., and Srivastava, M. S. (2012). A test for Multivariate Analysis of Variance. Communication in Statistics- Theory and Methods, 41:13-14, 2602-2615.

181)   Kubokawa, T., and Srivastava, M. S. (2012). Akaike Information criterion for Selecting Variables in the Nested Error Regression Model. Communication in Statistics Theory and Methods, 41:15, 2626-2642.

180)   Srivastava, M. S., Kollo, T., and von Rosen, D. (2011). Some Tests for the Covariance Matrix with fewer observations than the dimension under non-normality. J. Multivariate Analysis, 102, 1090-1103.

179)   Yamamura, M., Yanagihara, Y., and Srivastava, M. S. (2010). Variable Selection by $C_p$ Statistic in Multiple Responses Regression with Fewer Sample Size than the Dimension. In "Knowledge-based and Intelligent Information and Engineering System". Editors: R. Setchi et al. Springer-Verlag Berlin Heidelberg.

178)   Ohlson, M., and Srivastava, M.S.(2010). Profile Analysis for a Growth Curve Model J. Japan Statist.Soc. Volume 40, No.1.,1-21.

177)   Kubokawa, T., and Srivastava, M.S. (2010), An Empirical Bayes Information Criteria for Selecting Variables in Linear Mixed Models. J. Jour.Japan Statist. Soc: No.1, Volume 40, 111-130.

176)   Srivastava, M.S.(2010), Controlling the Average False Discovery in Large Scale Mutiple Testing. Journal of a statistical Research,vol 44: No.1, 85-102.

175)   Srivastava, M.S. and Kubokawa,T.(2010), Conditional Information Criteria for Selecting Variables in Linear Regression Mixed Model. J. Multivariate

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Analysis: 101,1970-1980

174)   Srivastava, M.S, and Yanagihara, H,(2010),Testing the equality of several covariance matrices with fewer observations than the dimension. J.Multivariate Analysis, No.101, 1319-1329.

173)   Yamamura,Y., Yanagihara, H. and Srivastava, M.S.(2010). Variable Selection in Multivariate Linear Regression Models with Fewer observations than the dimension. Japanese J. Applied Statistics, vol 39, No.1, 1-19.

172)   Srivastava, M.S, and Dolatabadi, M.(2009). Multiple imputation and other resampling schemes for inputing missing observations. J. Multivariate Analysis, No.100, 1919-1937.

171)   Srivastava, M.S., von Rosen, T., and von Rosen, D (2009). Estimating and Testing in General Multivariate Linear Models with Kronecker Product Covariance Structure. Sankhya, Volume 71A, Part 2, pp. 137-163.

170)   Srivastava,M.S.(2009), A Review of Multivariate Theory For High Dimensional Data with  Fewer Observations. Advances in Multivariate Statistical Methods, in: A. Sengupta (Ed.), World Scientific Publishing Co. Pte. Ltd. Singapore, pp. 25-51.

169)   Srivastava, M.S. (2009), A Test of the Mean Vector with Fewer Observations than the Dimension under non-normality. J. Multivariate Analysis, No.100, 518-532.

168)   Srivastava, M.S. and Kubokawa, T. (2008) Akaike Information Criterion for Selecting Components of the mean Vector in High Dimensional Data with Fewer Observations. J. Japan Statist. Soc, No.2, 259-283.

167)   Srivastava, M.S., von Rosen, T. and von Rosen, D. (2008) Models with a Kronecker Product Covariance Structure: Estimation and Testing. Mathematical Methods of Statistics,17, No.4,357-370

166)   Kubokawa, T., and Srivastava, M.S.(2008), Estimation Of The Precision Matrix Of A singular Wishart Distribution And Its Applications In High Dimensional Data. J. Multivariate Analysis,99,1906-1928

165)   Srivastava, M.S. and Du, M. (2008).  A Test for the Mean Vector with Fewer Observations than the Dimension. Journal of Multivariate Analysis, 99,386-402

164)   Srivastava, M.S. and Kubokawa, T.(2007). Empirical Bayes Regression Analysis With Many Regressors But Fewer Observations.  Statist. Plann. Inf. 137, 3778-3792

163) Srivastava, M.S., and Kubokawa, T. (2007). Comparison of Discrimination Methods for High Dimensional Data. Jour. Japan Statist. Soc. 37, 123-134.

162) Srivastava, M.S.(2007). Multivariate theory for Analyzing High Dimensional Data. Jour. Japan Statist. Soc. 37, 53-86.

161) Srivastava, M.S. and Kubokawa, T.(2007). Empirical Bayes Regression Analysis with Many Regressors but Fewer Observations. Jour. Statist. planning and Inference. 137, 3778-3792.

160) Du, M., and Srivastava, M.S.(2006). Comparison of multiple testing procedures and the analysis of two examples from microarrays. JSM Proceedings . 217-222.

159) Srivastava, M.S. and Fujikoshi, Y. (2006). Multivariate Analysis of variance with fewer observations than the dimension. Jour. Multi. Analy. 97, 1927-1940.

158) Srivastava, M.S.(2006). Some test criteria for the covariance matrix with fewer observations than the dimension. ACTA ET Commentationes Universitatis Tartuensis De Mathematica, 10, 77-93

157) Srivastava, M.S.(2006). Minimum distance classification rules Jour. Multi Analy. 97, 2057-2070

156) Srivastava, M.S.(2005). Some Tests Concerning the Covariance Matrix in High Dimensional Data. Journal of Japanese Statistical Soc. 35, 251-272.

155) Srivastava, M.S. and Saleh, A.K.M.E. (2005). Estimation of the mean vector of a multivariate normal distribution: Subspace Hypothesis. Jour. Multivariate Analysis. 96, 55-72.

154) Srivastava, M.S., and Kubokawa, (2005). Minimax Multivariate Empirical Bayes Estimators under Multicollinearity. Jour. Multivariate Analy. 93, 394-416.

153) Srivastava, M.S. and von Rosen, D. (2004). MANOVA with singular variance matrix. Acta Et Commentationes Universitatis Tartuenesis De Mathematica. 8, 253-269.

152) Kollo, T. and Srivastava, M.S. (2004). Estimation and testing of parameters in multivariate Laplace Distribution Comm. in Statist. Theory and Methods ee (10), 2363-2387.

151) Kubokawa, T., and Srivastava, M.S. (2004). Improved empirical Bayes ridge regression estimators under multicollinearity. Comm. In Statist., Theory and Methods, 33, 1943-1973.

150) Kubokawa, T., and Srivastava, M.S. (2003) Prediction in multivariate mixed linear models. Journal of Japan Statistical Society. 33, 245-270.

149) Srivastava, M.S., and Wu, Yanhong (2003). Taguchi's on-line control procedure. Handbook in Statistics. Vol. 22, 657-694. Editors: R. Khattree and C.R. Rao.

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146) Srivastava, M.S. and Solanky, T. (2003). Predicting multivariate response in linear regression model. Communication in Statistics – Simulation and computation. 32, 389-409.

145) Glimm, E., Srivastava, M.S. and Lauter, J. (2002). Multivariates tests of normal mean vectors with restricted alternatives. Communication in Statistics. 31(4), 589-604.

144) Srivastava, M.S. and von Rosen, D. (2002). Regression models with unknown singular covariance matrix. Linear Algebra and its applications. 255-273.

143) Srivastava, M.S. (2002). Nested Growth Curve Models. Sankhyá. Ser. A, 64, 1-30.

142) Nagao, H. and Srivastava, M.S. (2002) Fixed Width Confidence Region for the Mean of a Multivariate Normal Distribution. J. Multivariate Analy. 81, 259-273.

141) Aoshima, M., Takada, Y. and Srivastava, M.S. (2002) A Two-stage procedure for estimating a linear function of K multinormal mean vectors when covariance matrices are unknown. Journal of Statistics Planning and Inference. 100, 109-119.

140) Kubokawa, T. and Srivastava, M.S. (2002) Estimating Risk and Mean Squared Error Matrix in Stein Estimation. J. Multivariate Analysis. 82, 39-64.

139) Kubokawa, T. and Srivastava, M.S. (2001) Robust Improvement in Estimation of a Mean Matrix in an Elliptically Contoured Distribution. J. Multivariate Analysis. 76, 138-152.

138) Srivastava, M.S., Solanky, T.K.S. and Sen, A. (2001) Power comparison of some tests for detecting a change in the multivariate mean. Comm. in Statist.-Simulation and computation 30 (1), 19-36.

137) Srivastava, M.S. Hirotsu, C., Aori, S. and Glimm, E. (2001) Multivariate one-sided tests. Data Analysis from Statistical Foundations - A Fesstchrift in Honour of the 75th Birthday of D.A.S. Fraser, Nova Science Publishers Inc. pp 387-401.

136) Seo, T. and Srivastava, M.S. (2000). Testing equality of means and simultaneous confidence intervals in repeated measures with missing data. Biometrical Journal 42, 8, 981-993.

135) Hirotsu, C. and Srivastava, M.S. (2000) Simultaneous Confidence Intervals Based on One-Sided Max t-Test. Statistics and Probability Letters. 49, 25-37.

134) Aoshima, M. and Srivastava, M.S. (1999). Classification with a preassigned error rate when two covariance matrices are equal. Statistical Region Estimation and its application. (Kyoto, 1999). Surikaisekikenkyusho Kokyuroku No. 1101, 83-95.

133) Srivastava, M.S. and von Rosen, D. (1999). Growth Curve Models. In "Multivariate Analysis, Design of Experiments, and Survey Sampling", S. Ghosh, Editor, 547-578 Marcel Dekker, New York.

132) Srivastava, M.S. and Kubokawa, T. (1999). Improved Non-negative Estimation of Multivariate Components of Variance. Ann. Statist. 27, 2008-2032.

131) Srivastava, M.S. and Wu, Y. (1999). Quasi-Stationary Biases of Change Point and Change Magnitude Estimation after Sequential CUSUM Test. Sequential Analysis: 18, 203-216.

130) Kubokawa, T. and Srivastava, M.S. (1999). Robust improvements in estimation of covariance matrix in Elliptically contoured Distribution. Ann. Statist. 27, 600-609.

129) Srivastava, M.S. (1999). On-line Control Procedures for integrated Moving Average Process of Order one. Comm. in Stats. Theory & Methods. 28, 1857-1882.

128) Srivastava, M.S. and Wu, Y. (1999). Economical process adjustment with measurement error. Comm. in Stats. Theory and methods. 28, 989-1003.

127) Srivastava, M.S. and von Rosen, D. (1998). Outliers in multivariate regression models. J. Multiv. Analysis. 65, 195-208.

126) Robustness of on-line Control Procedures (1998). In Quality Improvement Through Statistical Methods, Edited by Bovas Abraham. Birkhauser, Boston, pp 97-107.

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124) Srivastava, M.S. (1997). CUSUM Procedure for monitoring Variability. Comm. in Stats. Theor. & Methods 26, 2905-2926.

123) Srivastava, M.S. (1997). Some Slippage tests of mean for a single outlier in multivariate normal data. Amer. J. of Math. and Management sciences, 17.

122) Srivastava, M.S. and Wu, Y. (1997). Evaluation of optimum in weights and average run lenghs in EWMA control schemes. Comm. Statist. Theor. and Meth. 26(5). 1253-1268.

121) Srivastava, M.S. and Wu, Y. (1997). On-line quality control procedures for a random walk model with measurement error. Sequential Analysis (1997). 16, 93-105.

120) Srivastava, M.S. (1997). Reduced Rank Discrimination. Scan. J. of Statist. 24, 115-124.

119) Kubokawa, T. and Srivastava, M.S. (1996). Double Shrinkage Estimators of Ratio of variances. Multidimensional Statistical Analysis and Theory of Random Matrices. Editors A.K. Gupta and V.L. Girko, VSP, The Netherlands, 139-154.

118) Ghosh, M., Carlin, B.P. and Srivastava, M.S. (1996). Probability matching priors for linear calibration. Test, 4, 333-357.

117) Srivastava, M.S. and Wu, Y. (1996). Economical Quality Control Procedures based on symmetric random walk model. Statistica Sinica. 6, 389-402.

116) Srivastava, M.S. (1996). Economical Process Adjustment with sampling interval. Comm. in Stat. Theor. & Methods 25, 2403-2430.

115) Oman, S. and Srivastava, M.S. (1996). Exact mean squared error comparisons of the inverse and classical estimators in Multi-univariate linear calibration. Scan. J. of Statist. 23, 473-488.

114) Purkayastha, S. and Srivastava, M.S. (1995). Asymptotic Distributions of some test criteria for covariance matrix in elliptical distributions under local alternatives. J. Multi. Analysis. 55, 165-186.

113) Srivastava, M.S. (1995). Comparison of On-line Control Procedures based on Taguchi's model and Random Walk Model. J. of Statistical Research. 29, 51-58.

112) Srivastava, M.S. (1995). Comparison of the Inverse and classical estimators in Multi-Univariate Linear Calibration. Comm. in Statist. Theory and Methods, 24 (11), 2753-2767.

111) Srivastava, M.S. and Wu, Y. (1995). An improved version of Taguchi's On-line Control procedure. J. Statist. Plan & Inf. 43, 133-145.

110) Chow, W. and Srivastava, M.S. (1994). A comparison of some omnibus monitoring schemes. Stochastic & Statistical Methods in Hydrology and Environmental Engineering, Vol. 4, 153-164. K.W. Hipel & L. Fang (Eds.) Kluwer Academic Publishers.

109) Srivastava, M.S. (1994). An Economical Control Procedure for Detecting a Shift in the Quality Level. 1994 Proceedings of the Section on Quality and Productivity Amer. Statist. Assoc. pp 1-6.

108) Srivastava, M.S. (1994). Comparison of CUSUM and EWMA procedures for detecting a shift in the mean or an increase in the variance. Journal of Applied Statistical Science. 1,445-468.

107) Srivastava, M.S. (1994). Recent Advances in the Economical On-line Control procedures. Proceedings of Inter. Conf., Statist. in Industry, science and Tech. Editor C. Hirotsu. pp. 35-40.

106) Srivastava, M.S. and Wu, Y. (1994). On-line control procedures under the random walk model with measurement error and attribute observations. Canadian Journal of Statistics. 22, 377-386.

105) Srivastava, M. and Wu, Y. (1994). Dynamic sampling plan in Shiryayev - Roberts procedure for detecting a change in the drift of Brownian Motion, Ann. of Statistics. 22, 805-823.

104)  Srivastava, M.S. AND NG, F.K.L. (1994).   Estimation of intraclass correlation in regression Models.  Gujarat Statistical Review (Prof. Khatri Memorial Volume, 1990). 229-236.

103)  Wu, Y. and Srivastava, M.S. (1993).  Dynamic sampling plans in on-line control  charts. Can. J. Statistics.  21, 409-419.

102)  Srivastava, M.S. and Wu, Y. (1993) Local Efficiency of Moment Estimators in Beta-binomial model. Comm. in Statist. Theory & Mathods.  22 (9).  pp 2471-2490.

101)  Srivastava, M.S. and Wu, Y. (1993).  Comparison of EWMA CUSUM and Shiryayev - Roberts procedures for detecting a shift in the mean.  Annals of Statistics 21, pp 625-644.

100)  Srivastava, M.S. and Wu, Y. (1993).  Estimation & Testing in an imperfect inspection model.  I E E E.  Trans. in Reliab, 42, pp 280-286.

99)  Srivastava, M.S. (1993), Estimation of the intraclass correlation coefficient Ann. of Human Genetics. 57, pp 159-165.

98)  Rao, C.R., Srivastava, M.S. and Wu, Y. (1993).  Some aspects of statistical quality control methods.  Quality through Engineering Design. pp 21-31.  Way Kuo, Editor, Elsevier.

97)  Nagao, H. and Srivastava M.S. (1992).  On the distributions of some test criteria for a covariance matrix under local alternative and bootstrap approximation J. Mult. Analys. 43., 331-350.

96)  Biladeau, M. and Srivastava, M. (1992).  Estimation of the eigen values of $\Sigma_1 \Sigma_2^{-1}$. J. of  Multivariate Analysis.  41, 1-13.

95)  Srivastava, M.S. and Wu, Y. (1991) A second order approximation to Taguchi's on-line control procedures.  Comm. in Statistic.  Theory & Methods. 20,  2059-2072.

94)  Fraser, D.A.S., Guttman, I., and Srivastava, M.S. (1991).   Conditional inference for treatment and error in multivariate analysis.  Biometrika 78; 565-572.

93)  Keen, K.J. and Srivastava, M.S. (1991).  The asymptotic variance of the interclass correlation coefficient.  Biometrika 78; 225-228.

92)  Carter, R.A.L., Srivastava, M.S., Srivastava, V.K., and Ullah, A. (1990).  Unbiased  estimation of the MSE matrix of Stein-Rule estimators, confidence ellipsoids and hypothesis testing.  Econometric Theory, 6, 63-74.

91) Srivastava, M.S. and Yau, W.K. (1989). Saddlepoint method for obtaining tail probability of Wilk's liklihood ratio test. J. Multivariate Analysis. 31, 117-126.

90) Srivastava, M.S. and Chan, Y. M. (1989). A comparison of bootstrap method and Edgeworth expansion in approximating the distribution of sample variance - one sample & two sample cases. Comm. in Statist. 18 (1), 339-361.

89) Srivastava, M.S. and Singh, B. (1989). Bootstrapping in multipliative models. J. of Econometrics, 42, 287-297.

88) Srivastava, M.S. and Bilodeau, M. (1989). Stein estimation under elliptical distributions. J. of Multivariate Analysis, 28, No. 2, 247-259.

87) Srivastava, M.S. and Keen, K.J. (1988). Estimation of the interclass correlation coefficient. Biometrika, 75, No. 4, 731-739.

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69) Srivastava, M.S.; (1985), Multivariate Data with Missing Observations, Comm. in Stat., Theo. Method, 14, 775-792.

68) Srivastava, M.S. & Lee, G.C.; (1985), On the robustness of Correlation Coefficient in the Presence of an Outlier, Comm. in Stat., Theo. Method, 14, 25-40.

67) Beran R. & Srivastava,, M.S.; (1985), Bootstrap Tests and Confidence Regions for Functions of a Covariance Matrix, Ann. Statist. 13: 95-115.

66)     Srivastava, M.S.; (1984), A measure of skewness and kurtosis and a graphical method for assessing multivariate normality, Prob. & Statist. Letters, 2: 263-267.

65)     Srivastava, M.S. & Awan, H.M.; (1984), On the robustness of the correlation coefficient in sampling from a mixture of two bivariate normals, Comm. in Stat., Theo. Method, A14: 371-382.

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**Books**

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8. **Invited Lectures since 2005.**

1) International Conference on the Future of Statistical theory, Practice and education, Hyderabad, India, December 29, 2004 – January 1, 2005.

2) International Conference on Multivariate Statistics (Retirement of K. T. Fang). June 2005.

3) Hong Kong University December 2005.

4) International Conference in Kuala Lumper December 2005 – January 1, 2006.

5) Fifteenth International Workshop on Matrix and Statistics, Uppsala, Sweden. June 2006. Keynote speaker.

6) Non-parametric Conference: Ottawa, Sept 15-17, 2006. Guest Speaker.

7) International Conference on Multivariate Statistical Methods in the 21st Century, Kolkata, India, December 28-29, 2006.

8) International Conference on Multiple Decisions. Taipei, Taiwan, December 28-30, 2007.

9) International Conference on Advances in Interdisciplinary Statistics & Combinatorics, Greenboro, North Carolina USA, October 12-14, 2007.

10) National Institute of Standards (NIST), Maryland, USA, September 20, 2007.

11) International Meetings of Psychometric Society, Tokyo, July 9 – July 14, 2007.

12) University of Tokyo, October 24 – November 2, 2007.

13) International Conference on Multivariate Analysis, Tartu, Estonia, June 25 – 30, 2007.  Keynote  speaker.

14) Sixteenth International Workshop on Matrix and Statistics.  Windsor, Canada, June 1 – June 3, 2007.

15) Second Canada-France Congress, Montreal, June 2-5, 2008.

16) HDM-2008: International Conferences on Multivariate Statistical Modeling High Dimensional Data Mining. June 19-23, 2008, Kayseri, Turkey.

17) 17th International Workshop on Matrices and Statistics. Tomar-Portugal: July 23-26, 2008.

18) 22nd Nordic Conference in Lithuana, Vilnius June 16-19, 2008.

19) 4th World Conference of IASC-2008, Pacifico Yokohama, Japan, Dec.5-8, 2008.

20) Lin Stat. 2010 Conference. July 27- Aug1, 2010, Toronto, Portugal. Keynote speaker.

21) International Indian Statistical Association Conference: April 19-24, 2011, Raleigh, N.C., USA.

22) The Ninth Tartu Conference on Multivariate Statistics & the 20th International workshop on Matrices and Statistics. June 26-July 1,2011, Tartu, Estonia ( Jubilee Session: MUNI S. SRIVASTAVA 75).

23) Hiroshima University. Dec, 2011

24) Y. Fujikoshi's 70th birthday Conference, Okinawa, Japan, Ian 19-22, 2012. Keynote speaker.

25) IASC (International Conference on Advances in Interdisciplinary Statistics and Combinatorics): Oct 2, 2012, University of North Carolina at Greensboro, U.S.A.

26) IWMS (International Workshop on Matrices and Statistics) Aug 12-15, 2013, University of Toronto.

27) Lin. Stat. Aug 24-28, 2014, Linkoping University, Sweden. Keynote speaker.

28) IASC, Oct 10-12, 2014, University of North Carolina at Greensboro. Keynote speaker.

9. **Ph.D. Theses Supervised:**

1) Banerjee, P.K. (1971). On sequential procedures in estimating confidence intervals of prescribed accuracy and cost of not knowing variance, University of Toronto.

2) Sen, Ashish K. (1971). Tests for change in mean and a sequential ranking procedure, University of Toronto.

3) Hariton, George. (1972). Multivariate mixture models, University of Toronto.

4) Carter, Edward M. (1975). Characterization and testing problems in the complex Wishart distribution, University of Toronto.

5) Leung, C.Y. (1977). Discriminant Analysis and Testing Problems based on a general regression model, University of Toronto.

6) Awan, H.M. (1981). On the Robustness of $T^2$, r, and $R^2$ when sampling from a contaminated normal distribution, University of Toronto.

7) Lee, G.C. (1982). On the robustness of correlation coefficient, University of Toronto.

8) Hui, T.K. (1983). On Tests of Multivariate Normality, University of Toronto.

9) Katapa, Rose Sam. (1984). Statistical Analysis of Familial Data. University of Toronto.

10) Chan, Y.M. (1985). The performance of the bootstrap method in approximating the distributions of the sample variance and the ratio of means, and in estimating the power of the spherecity tests, University of Toronto.

11) Bilodeau, M. (1986). Stein Estimation under Elliptical Distribution, Power of F-Tests under Student-T Distribution and Tests of Correlation in SUR Models, University of Toronto

12)     Keen, K.J. (1987). Statistical Inferences Concerning Familial Correlations, University of Toronto

13)     Yau, W.K. (1989). Saddlepoint approximations to the tail probabilities of general statistics, University of Toronto

14)     Bernstein, J. (1990). The distribution of the correlation coefficient and multiple correlation in selected cases, University of Toronto

15)     Ng, L.F.K. (1991). Estimation of familial correlations when covariables are present, University of Toronto

16)     Wu, Yanhong (1991). Some contributions to on-line quality control, University of Toronto

17)     Chow, William (1994). Some Statistical Process Control Monitoring Procedures, University of Toronto

18)     Manzi, Giancarlo (2005). Bootstrap Method Applications in Complex Sample Surveys and Multilevel Models. Univeritá di Milano – Bicocca (Senior Co-supervisor).

19)     Dolatabadi, Mohammad (2005). On the Jackknife Variance Estimation with Imputed Data Sets, University of Toronto.