CURRICULUM VITAE

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My Wikipedia Link: http://en.wikipedia.org/wiki/Mir_Masoom_Ali

My Google Search: Mir Masoom Ali; M. Masoom Ali (for publications)

Citizenship: USA

Date of Birth: February 1, 1937

Place of Birth: Patuakhali, British India (East Pakistan since 1947
                        and now Bangladesh since 1971)

Education

Degree	Major	Year	Institution
Ph.D.	Mathematical Statistics	1969	University of Toronto (Adviser: D. A. S. Fraser) (Co-Adviser: R. Wormleighton)
M.Sc.	Mathematical Statistics	1967	University of Toronto
M.Sc.	Statistics	1957	University of Dhaka
B.Sc.(Honours)	Statistics	1956	University of Dhaka

Professional Career

2007-Present   George and Frances Ball Distinguished Professor of Statistics *Emeritus* and Professor *Emeritus* of Mathematical Sciences, Ball State University

2000-2007   George and Frances Ball Distinguished Professor of Statistics and Professor of Mathematical Sciences, Ball State University

1978-2000   Professor of Mathematical Sciences, Ball State University

1974-1978   Associate Professor of Mathematical Sciences, Ball State University

1969-1974   Assistant Professor of Mathematical Sciences, Ball State University

1966-1969   Teaching Assistant, Department of Mathematics, University of Toronto

1958-1966   Erstwhile Government of Pakistan, Dhaka, Karachi, Lahore, and Rawalpindi

1957   Socio-Economic Board, University of Dhaka

Fellowships in Professional Organizations

- Fellow, American Statistical Association

- Fellow, Institute of Statisticians, U.K.

- Fellow, Royal Statistical Society, U.K.

- Expatriate Fellow, Bangladesh Academy of Sciences

- Elected Member, International Statistical Institute, Netherlands

Founder of Professional Organizations

- Founding President, North America Bangladesh Statistical Association (NABSA)

- Co-Founder, Midwest Biopharmaceutical Statistics Workshop (MBSW)

Notable Honors and Awards

Gold Medals

- First recipient of the Qazi Motahar Husain Gold Medal, 1990, for outstanding contributions to Statistical Sciences, Bangladesh Statistical Association.

- Recipient of the ISOSS Gold Medal, 2005, for outstanding contributions to Statistics.

State of Indiana

- Sagamore of the Wabash Award, October 24, 2002, for contributions to Ball State University, to higher education in the State of Indiana, and to the statistics profession. This is the highest award bestowed by the Governor of the State of Indiana, USA.

Ball State University

- Appointed George and Frances Ball Distinguished Professor of Statistics Emeritus and Professor Emeritus of Mathematical Sciences, Ball State University, June 2007.

- Appointed George and Frances Ball Distinguished Professor of Statistics, Ball State University, 2000.

- Outstanding Faculty Award, 1992-93, Ball State University. This is the highest award for composite excellence in teaching, research, and service. The award included a plaque, a citation and a $1000 cash award.

- Outstanding Researcher Award, 1984-85, Ball State University. This is the highest award for excellence in research and publications. The award included a plaque, a citation, and a $1000 cash award.

- Teacher of the Week, Daily News, Ball State University, April 8, 1997.

- Plaque for Outstanding Dedication, 1969 to 2007. Awarded by the Department of Mathematical Sciences, Ball State University, May 2007.

- Two-day Statistics Conference, organized by the Department of Mathematical Sciences and the Office of the Dean of Sciences and Humanities, was held at the Alumni Center on the occasion of my retirement from Ball State University, May 18-19, 2007.

- Thirty-five Years Service Recognition, Ball State University, 2004.

- Thirty Years Service Recognition, Ball State University, 1999.

- Twenty-five Years Service Recognition, Ball State University, 1994.

- Twenty Years Service Recognition, Ball State University, 1989.

Festschrift/Special Volumes of Statistical Journals Published in Honor of Mir Masoom Ali

- Statistics in the Twenty-First Century: Special Volume *in Honour of Dr. Mir Masoom Ali, George and Frances Ball Distinguished Professor of Statistics on the Occasion of his Seventy-Fifth Birthday Anniversary,* Pakistan Journal of Statistics and Operation Research, Vol. 8 No. 3, July 2012.

- Festschrift published by the department of Mathematical Sciences on the occasion of my retirement, May 2007. This 363-page volume contains 40 refereed papers.

- Special Volume of the Journal of International Statistical Sciences published to commemorate my 70th Birthday Anniversary, 2007. The 365-page special volume contains 30 refereed papers.

- Special Volume of Pakistan Journal of Statistics in my honor published in 2004. This 209-page special volume contains 17 refereed papers.

- Special Volume of the Journal of Statistical Studies published to commemorate my 65th Birthday Anniversary, 2002. The 320-page special volume contains 24 refereed articles and two tribute articles.

- Special Volume of the Pakistan Journal of Statistics and Operations Research will be published in July 2012 to commemorate my 75th Birthday Anniversary.

American Statistical Association (Biopharmaceutical Statistics Section)

- Meritorious Service Award, 30th Anniversary of the Midwest Biopharmaceutical Statistics Workshop (MBSW), 2007.

- Meritorious Service Award, 25th Anniversary of the Midwest Biopharmaceutical Statistics Workshop (MBSW), 2002.

- Meritorious Service Award, 20th Anniversary of the Midwest Biopharmaceutical Statistics Workshop (MBSW), 1997.

- Meritorious Service Award 1987, in recognition of my role as a co-founder, charter member (1977-78), local arrangements chairman (1978-87), and program co-chair (1987) of the Midwest Biopharmaceutical Statistics Workshop (MBSW).

- Two plenary sessions by Norman Breslow and Jason Hsu at the 30th Annual MBSW conference, 2007 were named MIR MASOOM ALI PLENARY SESSIONS to commemorate my retirement from Ball State University and thirty years of service to MBSW.

Community

- Outstanding Achievement Award, Bangladesh Community of Indiana, Indianapolis, August 5, 2007.

- Fifty Over 50 Award, Ball State Fisher Institute for Wellness and Gerontology and the Community for Vital Aging, May, 2007.

- Recognition Plaque, for services and dedication to the students and Islamic community at Ball State University, 1987-90.

Miscellaneous Awards/Recognitions

- Awarded "Our Pride Award" by the Bangladeshi-American Foundation Inc. (BAFI) in recognition of distinguished achievements in Statistics, Washington, DC, 2005.

- Named Famous Bangladeshi-American, the Bangladesh-American Foundation, Inc. (BAFI), 2001.

- **Chief Guest**, Jahangirnagar University Statistics Department Alumni Reunion, Savar, Dhaka, Bangladesh, February 12, 1999.

- Distinguished Life Member, International Journal of Statistical Sciences, 2004.

- Mir Masoom Ali: A Tale of a Renowned Bengali (in Bengali). *Taroka Kagoj – A Special Weekly Supplement of Ajker Kagoj with feature aricle on Professor Mir Masoom Ali and with photo on the cover,* Dhaka, Bangladesh, March 2, 2003.

- A Renowned Bengali: Dr. Mir Masoom Ali (in Bengali). *Chhutir Diney – A Special Weekly Supplement of Prothom Alo with feature aricle on Professor Mir Masoom Ali and with photo on the cover,* Dhaka, Bangladesh, February 1, 2003.

Listed in various editions of

- Who's Who in America

- Who's Who in the World

- Who's Who in American Education

- Who's Who in Science and Engineering

- Who's Who in Sciences

- Who's Who of Asian Americans

- Who's Who in the Midwest

- World Directory of Mathematicians

- Men of Achievement

- Notable Americans

- Personalities of the West and Midwest

Membership in Professional Societies (Past and Present)

- American Statistical Association (Life Member)

- Institute of Statisticians

- Royal Statistical Society (Life Member)

- Bangladesh Academy of Sciences

- International Statistical Institute (Life Member)

- The Institute of Mathematical Statistics (Life member)

- Indiana Chapter of the American Statistical Association (Until 2007)

- American Mathematical Society (until 1986, 1989-90)

- American Institute for Decision Sciences (until 1983)

- Indian Statistical Association (until 1982)

- Islamic Society of Statistical Sciences (Life Member)

- American Association for the Advancement of Science (1985-86)

- Member, Sigma Xi, The Scientific Research Society (until 2007)

- Past Member, Phi Beta Phi

- Past Member, Bernoulli Society

- Bangladesh Statistical Association (Life Member)

- North America-Bangladesh Statistical Association

Visiting Appointments

- April 1999: Visiting Professor, Department of Statistics and Operations Research, King Saud University, Riyadh, Saudi Arabia December

- 1993: Invited Visitor, Institute of Statistical Mathematics, The Graduate University of Advanced Studies, Tokyo

- September 6, 1993 - December 2, 1993: Visiting Professor, Department of Statistics, Yeungnam University, Korea

- November 1991: Visiting Scientist, Indian Statistical Institute, Calcutta, India

- September 1991 - December 1991: Visiting Professor, Department of Statistics, Jahangirnagar University, Dhaka

- December 1983 - February 1984: Visiting Professor, Dept. of Statistics, Jahangirnagar University, Dhaka; Visiting Professor, Institute of Statistical Research and Training, University of Dhaka

- July - August 1982: Visiting Professor, Institute of Statistical Research and Training, University of Dhaka

- March - May 1978: Visiting Scholar, Department of Statistics, Purdue University, W. Lafayette

- 1972-73: Visiting Professor, Department of Mathematics, University of Windsor, Canada

GRANTS

- Recipient of 33 grants over the thirty-eight years of my teaching career.

TEACHING (1969 – 2007)

My primary teaching responsibility in the Department of Mathematical Sciences was in the area of statistics. I had founded the graduate and the undergraduate programs in statistics at Ball State. I have always considered teaching as my primary responsibility and my first priority in the department. I have taught a wide variety of math courses ranging from college algebra, business math, calculus, linear algebra, applied statistics, to advance undergraduate and graduate courses in statistics. I have always kept my teaching material up to date and revised the syllabi regularly to incorporate and reflect the current developments. I included

Statistical software packages in some of my courses to keep up with the latest developments. I attended some of the teaching workshops which were conducted by the Center for Teaching and Learning to enhance my teaching effectiveness.

Courses Developed/Taught at Ball State

- Developed a number of courses in statistics and updated all statistics courses offered by the Department of Mathematical Sciences.

- Taught the following new/old courses at Ball State: Math 108, 111, 112, 113, 123, 124, 125, 131, 132, 161, 162, 170, 171, 172, 212, 313, 320, 321, 322, 428, 429, 432, 499, 520(620), 521(621), 522, 528, 529, 530, 531, 532, 589(689), and 699.

Degree Programs Developed at Ball State University

- Master's degree programs in Statistics.
- B.S. degree program with option in Statistics.

Doctor of Education (Ed.D.) Thesis Supervised

- Assessment of Changes in Attitudes of Graduate Students toward Introductory Statistics, Ounjitti Chuket, 2007. (This is the only doctoral degree conferred from our department).

Masters Theses Supervised

- On Tukey's *gh* Family of Distributions, M.Mahbubul A. Majumder, 2007.

- Gene Expression Analysis of Microarray Data: A Case Study of Papillary Thyroid Carcinoma Data, Mst. Ferdouse Begum, 2007.

- Data Mining and Classical Statistics, Man Lou, 2004.

- Correlating the Accelerated Test Life of an Automotive Component With Its Field Life, George W. Brutchen, 2004.

- Estimating Posterior Expectation of Distributions Belonging to Exponential and Non-Exponential Families, Munni Begum, 2001.

- Dirac Generalized Function: An Alternative to the Change of Variable Technique, Samia H. Lopa, 2000.

- General Families of Skew-Symmetric Distributions, A.S. Wahed, 2000.

- Neural Networks: An Application to Electrochemical Noise Data, John W. Powers, 1997.

- Study of Nonparametric Estimation of Location Using L-, M-, and R-Estimators, Yolande Tra, 1994.

- Fertility Differentials of Bangladesh, M. Mohiuddin Ahamed, 1992.

- On Some Aspects of Distribution Theory and Statistical Inference Involving Order Statistics, Yun-Soo Lee, 1991.

- Statistical Approach Toward Designing Expert System, Z. Hu, 1988.

- Path analysis: A Multivariate Statistical Procedure for Nuptiality Studies, A. A. Chowdhury, 1986.

- A Consolidated Study of Goodness-of-fit Tests, A. K. Paul, 1984.

- Estimation Procedures Using Order Statistics, D. T. Diebolt, 1983.

- On Robust Estimation of the Location Parameter, F. R. Forst, 1980.

- Ridge Regression: Biased Estimation Based on Ill-conditioned Data, B. J. Bulmahn, 1979.

- Sufficiency Criterion in Statistical Inference, L. D. Bookmyer, 1976.

- On Weibull Distribution, D. J. Sommers, 1976.

- Computation of Bvariate and Multivariate Normal Probabilities, R. K. Gupta, 1976.

- A Statistical Method for Establishing Insulated Cable Clearances in Large Power Transformers, T. J. Lanoue, 1975.

Arranged Classes Taught

Over the 38 years of my teaching career at Ball State, I have taught many graduate students in statistics and actuarial science programs on arranged basis without any remuneration so that they could complete their programs on time.

Teaching Support to the Actuarial Program

In addition to teaching courses for statistics and math majors, I also regularly taught undergraduate and graduate courses to prepare the actuarial science majors for their professional exams in statistics. Over the years my students have done extremely well in their professional actuarial exams in statistics.

Student Evaluation of Teaching

My classroom performance in teaching can be judged by my student evaluations which were administered either by the University Examination and Evaluation Services or by the Department of Mathematical Sciences over the past 34 years. I have always received excellent student evaluations of my teaching. In their written comments, the students repeatedly mentioned me as one of the best professors they had, as one who is concerned for them, and as one who is always available to them for consultation. I view this as a great testimony to my teaching effectiveness.

Peer Evaluation of Teaching

I always received excellent peer evaluations of my classroom teaching. Some of their written comments were as follows. ``Dr. Ali is extremely well-organized in his teaching. He is obviously a very conscientious instructor who takes his teaching responsibilities quite seriously. His lecture material is very well organized." ``Excellent command of the subject matter." ``Excellent blackboard work." ``Examples very timely." ``The instructor's

presentation was well planned, and students were attentive." Again, I consider these evaluations a great testimony to my excellent teaching.

PUBLICATIONS

My papers have been referenced in such recent books as *Handbook of Statistics* Volume 17: *Order Statistics and Their Applications* by N. Balakrishnan and C. R. Rao, North-Holland Publishing, New York; *Handbook of The Logistic Distribution* by N. Balakrishnan, Marcel and Dekker, Inc., 1992; *Order Statistics and Inference* by N. Balakrishnan and A. Clifford Cohen, Academic Press, 1991; *Lecture Notes in Statistics* by Barry C. Arnold and N. Balakrishnan, Springer-Verlag, 1988; and *Encyclopedia of Statistical Sciences* by N. L. Johnson and S. Kotz, John Wiley & Sons, 1986. My papers have also been mentioned in *Kendall's Advance Theory of Statistics* by A. Stuart and K. Ord, Griffin Publ., London, 1987; and in *Introduction to Applied Multivariate Statistics* by M. S. Srivastava and E. M. Carter, North Holland, 1983.

Review, summary, and reference of my publications have appeared in: *Mathematical Reviews, Statistical Theory and Methods Abstract of the International Statistical Institute, The Science Citation Index of the Institute of Scientific Information, Zentralblatt fur Mathematik,* and *Current Index to Statistics.*

Papers in Refereed Journals

- Ali, M. Masoom, Pal, Manisha, and Woo, J. (2012). Estimation of P(Y<X) in a Four-Parameter Generalized Gamma Distribution. *Austrian J. Statist.*, 41(3), 197-210.

- Ali, M. Masoom (2012). On the paper "Statistical Activities in East Pakistan by Q. M. Husain" with Some Personal Recollections and Memories (2011). In *Collected Volume of Statistical Works of Q. M. Husain with Commentaries*", editors: S. Huda and M. A. Islam. Nova Science Publishers, Inc., Hauppauge, New York, 117-121.

- Alin, A and Ali, M. Masoom (2012). Improved Straight forward implementation of a Statistically Inspired Modification of the Partial Lest Squares Algorithm. *Pak. J. Statist.*, 28(2), 217-229.

- Ali, M. Masoom, Pal, Manisha, and Woo, J. (2010). On the ratio of two independent exponentiated Pareto variables. *Austr. J. Statist.*, 39(4), 329-340.

- Ali, M. Masoom, Woo, J., and Nadarajah, S. (2010). Some skew-symmetric inverse reflected distributions. *Braz. J. Probab. Stat.*, 24(1), 1-23.

- Ali, M. Masoom and Woo, J. (2010). Estimation of tail-probability and reliability in exponentiated Pareto case. *Pak. J. Statist.*, 26(1), 39-47.

- Ali, M. Masoom, Pal, M., and Woo, J. (2010). Estimation of Pr(Y < X) when X and Y belong to different distribution families. *J. Prob. Statist. Scis.*, 8(1), 19-33.

- Ali, M. Masoom and Woo, J. (2009). Estimating reliability in two independent distributions. In *ESSAYS ON MATHEMATICS AND STATISTICS*, edited by Vladimir Akis. ATINER SA Publisher, Athens, Greece, 185-193.

- Ali, M. Masoom (2009). On Howell Tong's contributions to reliability. In *EXPLORATION OF A NONLINEAR WORD: An Appreciation of Howell Tong's Contributions to Statistics,* edited by Kung-Sik Chan (University of Iowa), World Scientific Publishing Co., 375-379.

- Talpur, M.G.H., Zamir, I., and Ali, M. Masoom (2009). Marginal distributions of crossing time and renewal numbers related with two-stage Erlang process. *J. Kor. Dat. Inform. Sci. Soc.,* 20(1), 191-202.

- Ali, M. Masoom, Pal, M., and Woo, J. (2009). Skewed reflected distributions generated by Laplace kernel. *Austrian J. Statist.,* 38(1), 45-58.

- Ali, M. Masoom, Woo, J., and Pal, M. (2008). Some skew-symmetric reflected distributions. *Amer. J. Math. Mgmt. Sci.,* 28(24), 41-59.

- Ali, M. Masoom and Woo, J. (2008). Inference on reliability *P(Y < X)* in a truncated arcsine distribution. *J. Statist. Res.,* 42(2), 151-158.

- Ali, M. Masoom, Woo, J., and Nadarajah, S. (2008). Stochastic orderings of integer valued random variables. *Amer. J. Math. Mgmt. Sci.,* 28(24), 101-114.

- Majumder, M. and Ali, M. Masoom (2008). A comparison of methods of estimation of parameters of the Tukey's *gh* family of distributions. *Pak. J. Statist.,* 24(2), 135-144.

- Talpur, M.G.H., Zamir, I., and Ali, M. Masoom (2008). Two dimensional marginal distributions of crossing time and renewal numbers related with two-stage Erlang processes. *J. Mod. Appl. Statist. Meth.,* 7(2), 435-445.

- Ali, M. Masoom, Woo, J., Pal, M., and Wahed, A. (2008). Some Skew-symmetric double inverted distributions. *Intern. J. Statist. Scis.,* 7, 1-12.

- Ali, M. Masoom, Woo, J., and Nadarajah, S. (2008). Generalized gamma variables with drought application. *J. Korean Statist. Soc.,* 37, 37-45.

- Nadarajah, S. and Ali, M. Masoom (2008). Pareto random variables for hydrological modeling. *Water Resources Mgmt.,* 22(10), 1381-1393.

- Ali, Masoom, M., Pal, M., and Woo, J. (2008). Skewed reflected distributions generated by reflected gamma kernel. *Pak. J. Statist.,* 24(1), 77-86.

- Ali, M. Masoom and Nadarajah, S. (2007). A truncated bivariate generalized Pareto distribution. *Computer Commun.,,* 30(8), 1926-1930.

- Ali, Masoom, M., Pal, M., and Woo, J. (2007). Some exponentiated distributions. *The Korean Commun. Statist.,* 14(1), 93-109.

- Ali, Masoom, M., Pal, M., and Woo, J. (2007). On the ratio of inverted gamma variates. *Austrian J. Statist.,* 36(2), 153-159.

- Ali, M. Masoom and Nadarajah, S. (2007). Information matrices for normal and Laplace mixtures. *Inform. Sci.,* 177, 947-955.

- Pal, M, Ali, M. Masoom (2006). Exponentiated Weibull distribution. *STATISTICA,* LXIV, n.2, 139-147.

- Ali, M. Masoom and Nadarajah, S. (2006). A truncated Pareto distribution. *Computer Commun.,* 30(1), 1-4, 2006.

- Ali, M. Masoom, Woo, J., and Pal, M. (2006). Distribution of the ratio of generalized uniform variates. *Pak. J. Statist. 22* (1), 11-19.

- Ali, M. Masoom, Woo, J., and Nadarajah, S. (2006). Parametric and non-parametric estimation for right-truncated exponential distribution. *IAPQR Trans.*,31(1), 47-55.

- Ali, M. Masoom, Cho, J. S., and Begum, M. (2006). Bayesian multiple comparisons with nonparametric Dirichlet process priors for negative binomial population. *Pak. J. Statist.,* 22(2), 89-98.

- Ali, M. Masoom, Cho, J. S., and Begum, M. (2006). Nonparametric Bayesian multiple comparisons for dependence parameter in bivariate exponential populations. *J. Mod. Appl. Statist. Meth.,* 5(1), 66-72.

- Nadarajah, S. and Ali, M. Masoom (2006). The distribution of sums, products and ratios for Lawrance and Lewis's bivariate exponential distribution. *Comput. Statist. Data Anal,* 50, 3449-3463.

- Ali, M. Masoom and Woo, J. (2006). Skew-symmetric reflected distributions. *Soochow J. Math.,* 32(2), 233-240.

- Ali, M. Masoom, Cho, J. S., and Begum, M. (2005). Nonparametric Bayesian multiple comparison for geometric populations. *J. Korean Data Inform. Sci. Soc.,* 16(4), 1129 - 1140.

- Imon, R. and Ali, Mir Masoom (2005). Bootstrapping Regression Residuals. *J. Korean Data Inform. Sci. Soc.,* 16(3), 665-682.

- Ali, M. Masoom and Woo, J. (2005). Inference on Reliability $P(Y<X)$ in a p-dimensional Rayleigh distribution. *Mathem. Comput. Modell.,* 42, 367-373.

- Ali, M. Masoom and Woo, J. (2005). Inference on reliability $P(Y<X)$ in the Levy Case. *Mathem. Comput. Modell.,* 41, 965-971.

- Ali, M. Masoom, Nadarajah, S., and Woo, J. (2005). On the ratio $X/(X+Y)$ for Weibull and Levy distributions. *J. Korean Statist. Soc.,* 34(1), 11-20.

- Ali, M. Masoom and Nadarajah, S. (2005). On the ratio of Weibull random variables. *IAPQR Trans.,* 30(1), 43-51.

- Ali, M. Masoom and Woo, J. (2005). On the ratio $X/(X+Y)$ for the power function distribution. *Pak. J. Statist.,* 21(2), 131-138.

- Ali, M. Masoom and Woo, J. (2005). Inference on $P(Y < X)$ in a Pareto distribution. *J. Mod. Appl. Statist. Meth.,* 4(2), 583-586, 2005.

- Nadarajah, S. and Ali, M. Masoom (2005). Derivation of product and ratio of the elliptically symmetric Laplace distribution. *J. Statist. Stud.,* 25, 35-41.

- Nadarajah, S. and Ali, M. Masoom (2005). On the Characteristic Function of the Product of Gamma and Rayleigh Random Variables. *Calcutta Statist. Assoc. Bull.,* 57(227-228), 209-218.

- Pal, M., Ali, M. Masoom and Woo, J. (2005). Estimation and testing of $P(Y > X)$ in a two-parameter exponential distributions. *Statistics,* 39(5), 415-428.

- Ali, M. Masoom, Woo, J., and Nadarajah, S. (2005). Bayes estimators of the exponential distribution. *J. Statist. Mgmt. Sys.,* 8(1), 53-58.

- Ali, M. Masoom, Pal, M., and Woo, J. (2005). Inference on *P(Y < X)* in a generalized uniform distribution. *Calcutta Statist. Assoc. Bull.*, 57 Nos. 225-226, 35-48.

- Ali, M. Masoom and Woo, J. (2005). Inference on *P(Y < X)* in a power function distribution. *J. Statist. Mgmt. Sys.*, 8(3), 681-686.

- Imon, R. and Ali, M. Masoom (2005). Simultaneous identification of multiple outliers and high leverage points in linear regression. *J. Korean Data Inform. Sci. Soc.*, 16(2), 429-444, 2005.

- Nadarajah, S. and Ali, M. Masoom (2005). On the product and ratio of t and Laplace random variables. *Pak. J. Statist.*, 21(1), 1-14.

- Ali, M. Masoom and Nadarajah, S. (2005). Information matrices for some bivariate gamma distributions (with S. Nadarajah). *Inform. Sci.*, 34, 11-20.

- Ali, M. Masoom and Nadarajah, S. (2005). On the product of Laplace and Bessel random variables. *J. Korean Data Inform. Sci. Soc.*, 15(4), 1011-101.

- Islam, AFM S., Roy, M., and Ali, M. Masoom (2004). A Non-linear exponential (NLINEX) loss function in Bayesian Analysis. *J. Korean Data Inform. Sci. Soc.*, 15(4), 899-910, 2004.

- Ali, M. Masoom and Woo, J. (2004). Bayesian analysis of mean parameter in a Pareto distribution. *Calcutta Statist. Assoc. Bull.*, 55, 129-137.

- Nadarajah, S. and Ali, M. Masoom (2004). On the product and the ratio of t and logistic random variables. *Calcutta Statist. Assoc. Bull.*, 55, 1-14.

- Ali, M. Masoom, Woo, J., and Pal, M. (2004). Inference on reliability *P(Y<X)* in two-parameter exponential distribution. *Internat. J. Statist. Scis.*, 3, 119-125.

- Nadarajah, S. and Ali, M. Masoom (2004). A skewed truncated t distribution. *Mathem. Comput. Modell.*, 40, 935-939.

- Davies, P., Imon, R., and Ali, M. Masoom (2004). A conditional expectation method for improved residual estimation and outlier identification in linear regression. *Intern. J. Statist. Scis.*, 3, 191-208.

- Begum, M. and Ali, M. Masoom (2004). Application of Bayesian Computational Techniques in Estimation of Posterior Distributional Properties of Lognormal Distribution. *J. Korean Data Inform. Sci. Soc.*, 15(1), 227-237.

- Ali, M. Masoom and Woo, J. (2004). Approximate estimation of the shape parameter in a standard gamma distribution. *J. Statist. Mgmt Syst.*, 7(2), 417-423.

- Ali, M. Masoom and Woo, J. (2004). Effects of an outlier for estimation in a uniform distribution. *J. Inform. Opt. Sci.*, 25(3), 521-532.

- Ali, M. Masoom, Woo, J., and Yoon, G. (2003). The mean and right-tail probability estimation in a Pareto distribution. *J. Statist. Mgmt. Sys., 6(1), 1-9.*

- Dixit, U. J., Ali, M. Masoom, and Woo, J. (2003). Efficient estimation of parameters of a uniform distribution in the presence of outliers. *Soochow J. Math.,* 29(4), 363-369.

- Saweris, N., Girgis, H., and Ali, M. Masoom (2002). On the lower and upper percentile values of the sphericity decision rule. *J. Korean Data Inform. Sci. Soc.*, 13(2), 382-394.

- Ali, M. Masoom and Woo, J. (2002). Parametric estimation in the arcsine distribution. *Pak. J.Statist.,* 18(1), 71-76.

- Nanthakumar, A., Selvavel, K., and Ali, M. Masoom (2002). On the use of Winsorized mean for truncated family of distributions under type II censoring. *J. Korean Data Inform. Sci. Soc.,* 13(1), 147-156.

- Wahed, A. and Ali, M. Masoom (2001). Skew-logistic distribution. *J. Statist. Res.,* 35(2), 71-80.

- Wahed, S. and Ali, M. Masoom (2001). Dirac generalization function: An alternative to the change of variable technique. *J. Statist. Res.,* 35(2), 57-70.

- Ali, M. Masoom, Woo, J., and Yoon, G. (2001). Bayesian estimation of mean parameter in a standard power distribution. *Data Analysis From Statistical Foundations: A Festschrift in Honour of D.A.S. Fraser's 75th Birthday (ed. A.K.Md.E. Saleh),* Nova Science Publishers, Huntington, New York, 319-328, 2001.

- Woo, J., Lee, C., and Ali, M. Masoom (2001). Right-tail probability estimation in the exponential model. *J. Inform. Opti. Sci.,* 22(2), 345-356.

- Ali, M. Masoom and Woo, J. (2001). Bias reducing estimators in an exponential distribution. *Revista de Estadistica* - Proceedings of the 23rd European Meeting of Statisticians, Vol. II, No.I, 35-36.

- Ali, M. Masoom, Woo, J., and Yoon, G. (2000). The UMVUE for mean and right-tail probability in a standard power-function distribution. *Estadistica, 52(158, 159), 1-10,* 2000.

- Ali, M. Masoom and Woo, J. (2000). Interval estimation for the mean and right-tail probability in a power function distribution. *J. Statist. Stud.,* 20, 37-39.

- Ali, M. Masoom and Woo, J. (2000). Note on generalized power series distribution. *J. Statist. Stud.,* 20, 33-36.

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Presentations

I have presented many invited and contributed papers at national and international professional meetings and universities in the U.S.A., Canada, Mexico, Bangladesh, India, Malaysia, Holland, Egypt, Sweden, France, Italy, Korea, Japan, Morocco, Pakistan, Turkey, Saudi Arabia, Portugal, and Greece.

- Past, Present and Future of Statistics. *An invited talk given at the Jahangirnagar University Department of Statistics,* January 8, 2012.

- Educational and Employment Opportunities in the USA. *A Keynote speech delivered at Mawlana Bhashani Science and Technology University,* January 3, 2012.

- Past, Present and Future of Statistics and Present Educational Opportunities in USA. *An invited talk given at the Dhaka University Statistics Department,* January 3, 2012.

- Brief Comments on the Past, Present and Future of Statistics. *An invited Plenary talk given at the Golden Jubilee Seminar, Rajshahi University Department of Statistics,* December 24, 2011.

- Golden Jubilee Keynote Speaker at the Inaugural Ceremony of the Golden Jubilee Celebrations to Commemorate the 50th year of the Founding of the Statistics Department, *Rajshahi University,* December 23, 2011.

- Educational and Employment Opportunities. *International University of Business, Agriculture, and Technology,* December 19, 2011.

- In Appreciation for a Life Most Rewarded: My Story as an Alumnus. Opening Session Keynote Speech. *DUSDAA Conference,* Dhaka, Bangladesh, December 26, 2010. (Invited)

- Welcome Speech: DUSDAA Conference Inauguration. (As Chair of the International Committee). *DUSDAA Conference,* Dhaka, Bangladesh, December 26, 2010. (Invited)

- Estimation of *P(Y < X)* in four-parameter gamma distribution (with Pal, M. and Woo, J.). *DUSDAA Conference,* Dhaka, Bangladesh, December 28, 2010. (Invited)

- International Career Opportunities and Career Development in Statistics, Biostatistics and Epidemiology (Panel Discussant). *DUSDAA Conference,* Dhaka, Bangladesh, December 28, 2010. (Invited)

- On the ratio of two independent exponentiated Pareto variables (with M. Pal and J. Woo). *Seventh International Triennial Calcutta Symposium on Probability and Statistics*, Kolkata, India, December 28-31, 2009. (Invited talk).

- Estimating reliability in two independent distributions (with J. Woo). *International Conference on Mathematics and Statistics,* Athens, Greece, June 11-12, 2007. (Invited talk).

- A new class of skew-symmetric distributions. *Institute of Statistical Research & Training*, University of Dhaka, Bangladesh, February 9, 2005. (Invited talk).

- On skew-symmetric distributions. *Department of Statistics,* Jahangirnagar University, Bangladesh, February 8, 2005. (Invited talk).

- A class of new probability distributions. *Department of Mathematical Sciences Faculty Lectures and Colloquium Series*, Ball State University, November 18, 2004.

- Inference on reliability P(Y < X) in the Levy distribution (with J. Woo). *2004 Hawaii International Conference on Statistics, Mathematics and Related Topics,* Honolulu, Hawaii, June 9-12, 2004. (Invited talk).

- Data Mining – An Introduction (with Man Lou). *Eighth National Statistical Conference of Bangladesh Statistical Association*, Dhaka, Bangladesh, January 7,

2003. (Invited talk).

- Some Basic Concepts in Probability and Statistics. *Institute of Statistical Research and Training,* University of Dhaka, Bangladesh, January 4, 2003 (An invited talk given to undergraduate students).

- Inference using selected order statistics in location-scale models. *Department of Mathematics and Statistics Colloquium,* Bowling Green State University, April 12, 2002. (Invited talk).

- On the use of winsorized mean for truncated family of distributions under type II censoring (with A. Nanthakumar and K. Selvavel). *International Conference on Statistics, Combinatorics, and Related Areas and the Eighth International Conference of Forum for Interdisciplinary Mathematics,* Wollongong, Austarlia, December 19-21, 2001. (Invited talk).

- Estimation of Lorenz curve and Gini index in a Pareto distribution (with J. Woo, C. Lee and G. Yoon). *53rd Session of International Statistical Institute,* Seoul, Korea, August 29, 2001.

- Bias reducing estimators in an exponential distribution (with J. Woo). *23rd European Meeting of Statisticians,* Funchal, Madeira, Portugal, August 17, 2001. (Invited talk).

- On the positivity of linear combinations of order statistics as estimators of scale (with Dale Umbach). *Annual Meeting of the American Statistical Association,* Baltimore, Maryland, August 12, 1999.

- Estimation of functions of location and scale parameters, such as survival function and hazard function, using optimal spacing. *Department of Statistics and Operations Research,* King Saud University, Riyadh, Saudi Arabia, April 21, 1999. (Invited Talk).

- Tests of hypotheses and goodness-of-fit tests using optimal spacing. *Department of Statistics and Operations Research,* King Saud University, Riyadh, Saudi Arabia, April 20, 1999. (Invited talk).

- Estimation of location and scale parameters and quantiles using optimal spacing. (Invited Talk). *Department of Statistics and Operations Research,* King Saud University, Riyadh, Saudi Arabia, April 18, 1999. (Invited Talk).

- Inference based on optimal sapcing of order statistics: Preliminaries. *Department of Statistics and Operations Research,* King Saud University, Riyadh, Saudi Arabia, April 14, 1999. (Invited Talk).

- Conservative spacings for estimating life functions under censoring (with D. Umbach). *Bangladesh Statistical Association,* Dhaka, Bangladesh, February 28, 1999. (Invited talk).

- Inference using optimal spacing. *Department of Statistics, University of Dhaka,* Dhaka, Bangladesh, February 27, 1999. (Invited talk).

- Spacing for estimating functions of location and scale. *Department of Statistics, Jahangirnagar University,* Savar, Dhaka, Bangladesh, February 27, 1999. (Invited talk).

- Chief Guest Speaker, *Jahangirnagar University Statistics Department Alumni Reunion, Jahangirnagar University,* Savar, Dhaka, Bangladesh, February 12, 1999. (Invited

talk).

- Conservative Spacing for estimating life functions under censoring (with D. Umbach). *51st Session of the International Statistical Institute,* Istanbul, Turkey, August 18-24, 1997.

- Conservative spacing for the Frechet distribution (with D. Umbach). *51st Session of the International Statistical Institute,* Istanbul, Turkey, August 18-24, 1997.

- What is "Degrees of Freedom?" *Undergraduate Colloquium Series, Ball State University,* November 14, 1996.

- Conservative spacings for the Weibull and extreme value distributions. (with D. Umbach). *Conference in Honor of Herbert A. David's 70th Birthday,* Iowa State University, November 17, 1995. (Invited talk).

- Inference based on optimal spacing: Some recent results. *4th Islamic Countries Conference on Statistical Sciences,* Lahore, Pakistan, August 27 - 31, 1994. (Invited).

- Tests of goodness-of-fit using a few order statistics. *4th Islamic Countries Conference on Statistical Sciences,* Lahore, Pakistan, August 27 - 31, 1994. (Invited).

- Statistical education in Bangladesh. *4th International Conference on the Teaching of Statistics (ICOTS - 4),* Marrakech, Morocco, July 25 - 30, 1994. (Invited).

- Statistical inference using optimal spacing. *Institute of Statistical Mathematics,* The Graduate University of Advanced Studies, Japan, December 3, 1993. (Invited).

- Use of selected order statistics in goodness-of-fit tests. Department of Statistics, *Keimyong University, Korea,* November 26, 1993. (Invited).

- Robust estimation. *Faculty Seminar Series, Department of Mathematical Sciences, Ball State University,* March 29, 1994.

- Experiences with undergraduates in Korea. *Undergraduate Colloquium Series, Depaartment of Mathematical Sciences, Ball State University.,* March 24, 1994.

- A goodness-of-fit test using a few order statistics. Department of Computer Science and Statistics, *Seoul National University, Korea,* November 25, 1993. (Invited).

- A LaRiccia type goodness-of-fit test using selected sample quantiles. Department of Statistics, *Pusan National University, Korea,* November 12, 1993. (Invited talk).

- Some recent developments in statistical inference based on a few optimally selected order statistics. Department of Statistics, *Yeungnam University, Korea,* November 11, 1993. (Invited talk).

- Undergraduate education at Ball State University. Department of Mathematics, *Myong Ji University, Korea,* November 5, 1993(Invited talk).

- Uses of statistics. Department of Mathematics, *Myong Ji University, Korea,* November 5, 1993. (Invited talk).

- Estimation based on a few selected order statistics. *Taegu-Kyumpook Chapter of the Korean Statistical Society, Hyosung Women's University, Korea,* October 23, 1993. (Invited talk).

- Some goodness-of-fit tests using a few selected order statistics. Department of Statistics, *Kyumpook National University, Korea,* October 20, 1993. (Invited talk).

- A regression-type goodness-of-fit test using sample quantiles (with D. Umbach). *49th Session of the International Statistical Institute, Firenze, Italy,* August 25 - September 2, 1993.

- ASA annual survey of chapter activities (with Lynn Stokes and M. Egger). *Annual Meeting of the American Statistical Association, San Francisco,* August 8-12, 1993.

- Let X be ... . *Undergraduate Colloquium Series, Department of Mathematical Sciences, Ball State University,* April 15, 1993.

- A smooth goodness-of-fit test using selected sample quantiles (with Dale Umbach). *Third Eugene Lukacs Symposium,* Bowling Green State University, Bowling Green, OH, March 25-27, 1993. (Invited talk).

- Robust spacings for the estimation of functions of location and scale (with D. Umbach). *Annual Meeting of the Institute of Mathematical Statistics, Boston,* August 9-13, 1992.

- ASA annual survey of chapter activities (with M. Egger and K. Tiahrt). *Annual Meeting of the American Statistical Association, Boston,* August 9-13, 1992.

- Estimating life functions using a few selected order statistics. *Lecture and Colloquia Series, Department of Mathematics, Ball State University,* February 10, 1992.

- Seminar on Dhaka University Students' political unrest survey. Institute of Statistical Research and Training, *Dhaka University, Bangladesh,* December 3, 1991. (Special Guest Participant).

- Statistical Inference based on order statistics. Stat-Math Div. *Indian Statistical Institute, Calcutta, India,* November 28, 1991. (Invited talk).

- Some goodness-of-fit tests based on selected order statistics. Computer Science Unit, *Indian Statistical Institute, Calcutta, India,* November 26, 1991. (Invited talk).

- Exposition of statistical concepts to undergraduate students. Statistical Research Unit, Department of Statistics, *University of Dhaka, Bangladesh,* November 18, 1991. (Invited talk).

- Statistics in decision making. Department of Statistics, *Jahangirnagar University, Bangladesh,* November 14, 1991. (Invited talk).

- Large sample estimation of function of certain parameters using order statistics. Department of Statistics, *Jahangirnagar University, Bangladesh,* November 10, 1991. (Invited talk).

- Keynote Speech. *Bangladesh Statistical Association Meeting, Dhaka, Bangladesh,* November 10, 1991. (Invited talk).

- Estimation of function of location and scale parameters using optimal spacing. Statistical Research Unit, Department of Statistics, *Dhaka University, Bangladesh,* October 5, 1991. (Invited talk).

- Estimating life functions of the chi distribution using selected order statistics (with D. Umbach and E. Saleh). *International Meeting on Order Statistics and*

Nonparametrics - Theory and Application (In honor of A. E. Sarhan), Alexandria, Egypt, September 19, 1991. (Invited talk).

- Estimation of survival function, hazard function, and quantile function of the gamma distribution (with E. Saleh and D. Umbach). *48th Session of the International Statistical Institute, Cairo, Egypt,* September, 15, 1991.

- Estimating the quantile function of the chi distribution using selected order statistics (with D. Umbach and E. Saleh). *54th Annual Meeting of the Institute of Mathematical Statistics, Atlanta,* August 18-22, 1991.

- Systematic statistics in statistical inference. *The Second Islamic Countries Conference on Statistical Sciences, Johor Bahru, Malaysia,* August 26-30, 1990. (Invited talk).

- Estimation of a function of location and scale parameters using optimum order statistics (with E. Saleh). *2nd World Congress of the Bernoulli Society for Mathematical Statistics and Probability and 53rd Annual Meeting of the Institute of Mathematical Statistics, Uppsala, Sweden,* August 13-18, 1990.

- Inference based on a few selected order statistics: some recent results. *International Symposium on Optimization and Statistics, Aligarh, India,* December 18-21, 1989. (Invited talk).

- The distribution in terms of H and G functions of some statistics associated with two multivariate hypotheses under violations in the complex case (with N. Saweris). *47th Session of the International Statistical Institute, Paris, France,* September 5, 1989.

- Test for exponentiality using selected order statistics (with D. Umbach). *47th Session of the International Statistical Institute, Paris, France,* September 1, 1989.

- Goodness-of-fit test for the exponential distribution (with D. Umbach). *150th Anniversary Meeting of the American Statistics Association, Washington, D.C.,* August 6, 1989.

- A goodness-of-fit test for location scale model using selected order statistics. *Mathematical Sciences Faculty Lecture Series. Ball State University,* February 9, 1989.

- Estimating and testing quantiles of location-scale distributions using selected order statistics. *The Ninth International Symposium on Forecasting, Vancouver, Canada,* June 20, 1989. (Invited talk).

- A Shapiro-Wilk type goodness-of-fit test using a few order statistics (with D. Umbach). Presented at a poster session of the *Ball State Sigma Xi,* October 7, 1988.

- Three goodness-of-fit tests based on selected order statistics (with D. Umbach). *Annual Meeting of the American Statistical Association, New Orleans, LA,* August 22-25, 1988.

- A goodness-of-fit test based on a few order statistics. *The Eighth International Symposium on Forecasting. Amsterdam, The Netherlands,* June 15, 1988. (Invited talk).

- A goodness-of-fit test using optimal spacing (with D. Umbach). *Annual Meeting of the American Statistical Association, Chicago,* August 18-21, 1986.

- Inference based on optimal spacing. *Mathematical Sciences Faculty Lecture Series, Ball State University,* January 17, 1985.

- Test of parameters and quantiles of the double exponential distribution using selected order statistics (with D. Umbach and E. Saleh). *Annual Meeting of the Institute of Mathematical Statistics, Lake Tahoe, California,* August 21-24, 1984.

- Estimation of parameters and quantiles of the double exponential distribution using selected order statistics (with D. Umbach and E. Saleh). *Annual Meeting of the Institute of Mathematical Statistics, Lake Tahoe, California,* August 21-24, 1984.

- Estimation and testing using optimal spacings. The Department of Statistics, *Jahangirnagar University, Bangladesh,* February 8, 1984. (Invited talk).

- Some recent advances in robust procedures. The Department of Statistics, *University of Dhaka, Bangladesh,* February 2, 1984. (Invited talk).

- On some nonparametric tests of hypothesis. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* February 1, 1984. (Invited talk).

- Order statistics and related topics IV. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* January 31, 1984. (Invited talk).

- Order statistics and related topics III. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* January 25, 1984. (Invited talk).

- Order statistics and related topics II. The Institute of Statistical Research Training, *University of Dhaka, Bangladesh,* January 18, 1984. (Invited talk).

- Order statistics and related topics I. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* January 11, 1984. (Invited talk).

- On the use of count data in estimation of the parameters of the exponential distribution (with D. Umbach). *Annual Meeting of the American Statistical Association, Toronto, Canada,* August 15-18, 1983.

- Tests of significance for the exponential distribution based on selected quantiles (with E. Saleh and D. Umbach). *Institute of Mathematical Statistics, Nashville, Tennessee,* March 20-23, 1983.

- Estimation of quantiles using optimal spacing. *Session on Original Contributions of the Rio Grande Conference on Statistics, Monterrey, Nuevo Leon, Mexico,* November 26, 1982. (Invited talk).

- Some recent advances in robust estimation procedures. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* September 1, 1982. (Invited talk).

- Testing hypothesis regarding exponential quantiles using k optimally chosen order statistics. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* August 30, 1982. (Invited talk).

- Estimation of quantiles based on k optimally chosen order statistics. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* August 23, 1982. (Invited talk).

- Some adaptive robust procedures for location. The Department of Statistics, *Jahangirnagar University, Bangladesh,* August 21, 1982. (Invited talk).

- Estimation of quantiles based on two optimally chosen order statistics: Exponential, Double Exponential, and Pareto Distributions. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* August 16, 1982. (Invited talk).

- Some preliminaries on order statistics and population quantiles. The Institute of Statistical Research and Training, *University of Dhaka, Bangladesh,* August 9, 1982. (Invited talk).

- Use of order statistics in estimating exponential quantiles (with D. Umbach and K. Hassanein). *Annual Conference of the American Institute for Decision Sciences, San Francisco,* November 22-24, 1982. (Invited talk).

- A note on estimating the mean of the negative exponential distribution using selected order statistics (with D. Umbach). *Annual Meeting of the American Statistical Association, Cincinnati,* August 17, 1982.

- Large sample estimation of Pareto quantiles using selected order statistics (with E. Saleh and D. Umbach). *Annual Meeting of The Institute of Mathematical Statistics, Cincinnati,* August 16, 1982.

- Application of subset selection procedures to business: Binomial and Multinomial Cases (with D. Umbach). *Annual Meeting of The American Institute for Decision Sciences Midwest Conference, Milwaukee,* April 8, 1982. (Invited talk).

- Some adaptive robust procedures for location. The Department of Mathematics and Statistics, *Memorial University of Newfoundland, Canada,* November 20, 1981. (Invited talk).

- Estimation of quantiles of exponential distribution using a few selected order statistics. The Department of Mathematics and Statistics, *Memorial University of Newfoundland, Canada,* November 19, 1981. (Invited talk).

- Estimation of quantiles using two optimally chosen order statistics. *The Central Indiana Chapter of the American Statistical Association, Indianapolis, Indiana,* May 21, 1981. (Invited talk).

- Estimating Pareto quantiles using two order statistics (with D. Umbach and K. Hassanein). *Annual Meeting of The American Statistical Association, Detroit,* August 10-13, 1981.

- Small sample quantile estimation of Pareto populations using two order statistics (with D. Umbach and K. Hassanein). Paper presented by title to the *Institute of Mathematical Statistics,* May 1981.

- Small sample estimation of exponential quantiles with two order statistics (with D. Umbach and K. Hassanein). Paper presented by title to the *Institute of Mathematical Statistics,* May 1981.

- An analytical decision model for evaluating a multi- product small business venture (with N. Ahmed). *Annual Meeting of the Midwest American Institute for Decision Sciences, Detroit,* April 16, 1981.

- Application of subset selection procedures to business: The normal case (with D. Umbach and N. Ahmed). *Annual Meeting of the Midwest American Institute for Decision Sciences, Detroit,* April 16, 1981.

- Adaptive robust procedures as estimation technique for business data analysis (with F. Forst and N. Ahmed). *Annual Meeting of the American Institute for Decision*

Sciences, Las Vegas, November 5-7, 1980.

- Estimation of quantile of exponential and double exponential distributions based on two order statistics (with D. Umbach and K. Hassanein). *The 174th Meeting of the Institute of Mathematical Statistics, Ann Arbor,* August 18-21, 1980.

- Non-linear robust adaptive procedures (with F. Forst). *The 775th Meeting of the American Mathematical Society, Bloomington, Indiana,* April 11-12, 1980.

- Application of ridge regression to sales forecasting (with B. Bulmahn and N. Ahmed). *Annual Meeting of the Midwest American Institute for Decision Sciences, Dayton,* April 17-18, 1980.

- Estimation of quantiles of exponential and double exponential distributions based on two order statistics (with D. Umbach). *Mathematical Sciences Seminar, Ball State University,* April 29, 1980.

- On robust estimation. The Department of Statistics, *University of Dhaka, Bangladesh,* August 29, 1980. (Invited talk).

- Some results on quantile estimation. The Department of Statistics, *University of Dhaka, Bangladesh,* August 29, 1980. (Invited talk).

- Biased regression procedures. The Department of Statistics, *University of Dhaka, Bangladesh,* August 29, 1980. (Invited talk).

- Partition approach to sufficiency (with L. Bookmyer). Paper presented by title to the *American Mathematical Society,* October 1977.

- A note on complete sufficient statistics (with L. Bookmyer). Paper presented by title to the *American Mathematical Society,* August 1977.

- An alternative derivation of the distribution of correlation matrix. *Mathematics Seminar, Ball State University,* December 7, 1976.

- Behavior of "Student's" ratio under nonstandard situations. *Meeting of the American Mathematical Society, Columbia, South Carolina,* November 20, 1976.

- Moments of Dwyer's statistics and k-statistics and their products for finite and infinite sampling with application (with N. Mikhail). *Statistics Days Conference, Ball State University,* April 10, 1976.

- Some results on Student's ratio in nonstandard situations. The Statistical Conference jointly sponsored by the *Cincinnati Chapter of the American Statistical Association and Miami University,* Oxford, Ohio, April 18, 1975. (Invited talk).

- An alternative method for approximating the potential and gradient at any point between an insulated cable to plane (with T. Lanoue). *American Mathematical Society Meeting, St. Louis,* April 12, 1975.

- A mathematical method for approximating the potential and gradient at any point between an insulated cable to plane (with T. Lanoue and V. Boaz). *Annual Meeting of the American Mathematical Society, Washington, D.C.,* January 23, 1975.

- Structural inference. Mathematics Seminar on Probability and Statistics, *University of Windsor, Canada,* March 30, 1973. (Invited talk).

- Distribution of "Student's" ratio for correlated observations. Paper presented by title to the *Institute of Mathematical Statistics,* 1972.

- Tail Distribution of ``Student's'' ratio in samples of size n from a rectangular distribution. Paper presented by title to the *Institute of Mathematical Statistics,* 1972.

- The "Student''-Fisher ratio, IV. *Mathematics Seminar, Ball State University,* February 1, 1970. (Last part of four lectures).

- The ``Student''-Fisher ratio III. *Mathematics Seminar, Ball State University,* January 22, 1970. (Third part of four lectures).

- The ``Student''-Fisher ratio II. *Mathematics Seminar, Ball State University,* January 15, 1970. (Second part of four lectures).

- The ``Student''-Fisher ratio I. *Mathematics Seminar, Ball State University,* January 8, 1970. (First part of four lectures).

Sessions Chaired

- Chaired a Keynote Session at the DUSDAA Conference, Dhaka University, Dhaka, Bangladesh, December 24, 2011.

- Chaired a technical session on Statistics at the International Conference on Mathematics and Statistics, Athens, Greece, June 11-12, 2007.

- Chaired the session on Industrial Statistics at the 2004 Hawaii International Conference on Statistics, Mathematics, and Related Topics, Honolulu, Hawaii, June 9 – 12, 2004.

- Organized and Chaired an invited plenary session "Credit Scoring - Palatable Algorithmic Modeling" Twenty-Fifth Annual Midwest Biopharmaceutical Statistics Workshop, May 20-22, 2002, Muncie, Indiana.
- Chaired a session on General Statistics at the 23rd European Meeting of Statisticians, August 13-19, 2001, Funchal, Madeira, Portugal.

- Chaired a session on Social and Health Statistics at the 51st Session of the International Statistical Institute, August 18-26, 1997, Istanbul, Turkey.

- Organized and Chaired an Invited Plenary Session ``What's New in the Last Ten Years?" at the Twentieth Annual Midwest Biopharmaceutical Statistics Workshop, May 19-21, 1997, Muncie, Indiana.

- Chaired an invited and contributed session at the 4th Islamic Countries Conference on Statistical Sciences, Lahore, Pakistan, August 27 - 31, 1994.

- Chaired a session at the 4th International Conference on Teaching Statistics, Marrkech, Morocco, July 25 - 31, 1994.

- Chaired a session on Inference for stochastic processes at the 49th Session of the International Statistical Institute, August 25 - September 2, 1993, Firenze, Italy.

- Organized and chaired a special invited session at the 15th Annual Midwest Biopharmaceutical Statistics Workshop, Muncie, Indiana, May 21, 1992.

- Chaired a session on Mathematical Statistics, 2nd Islamic Countries Conference on Statistical sciences, August 26-30, 1990, Johor Bahru, Malaysia.

- Chaired a session on Mathematical Statistics, International Symposium on Optimization and Statistics, December 18-21, 1989, Aligarh, India.

- Organized and chaired 4 sessions on Statistics and Probability, American Mathematical Society Regional Meeting, Oct 27-28, 1989, Ball State University, Muncie, Indiana.

- Chaired session on Statistical Inference, 47th Session of the International Statistical Institute, August 29- September 6, 1989, Paris, France.

- Chaired session on Forecasting Methods II, The Ninth International Symposium on Forecasting, Vancouver, Canada, June 18-21, 1989.

- Chaired session on Estimation, The Eighth International Symposium on Forecasting, June 12- 15, 1988, Amsterdam, Netherlands.

- Chaired session on Probability Distribution and Decision Science, American Institute for Decision Sciences, Midwest Conference, April 7-9, 1982, Milwaukee, Wisconsin.

- Chaired ``Statistics Days'' conference, April 9-10, 1976, Ball State University, Muncie, Indiana.

Past and Present Service on Editorial Boards

- Editor, Parisankhyan Samikkha - An International Journal of Statistics

- Overseas Executive Editor, Journal of Statistical Studies

- Associate Editor, Journal of Information and Optimization Sciences

- Associate Editor, Journal of Statistical Research

- Member of the Editorial and Refereeing Board, The Aligarh Journal of Statistics

- Member of the Editorial Board, Journal of the Korean Data and Information Science Society

- Associate Editor, The Pakistan Journal of Statistics

- Member of the Editorial Board, Journal of Statistical Theory & Methods

- Associate Editor, Journal of Statistics and Management Systems

- Editorial Board Member, Journal of Statistics

- Associate Editor, Journal for Statisticians

Referee and Reviewer

Refereed and reviewed papers for the following journals:

- The Pacific Journal of Mathematics
- Journal of the American Statistical Association
- The Canadian Journal of Statistics
- The Aligarh Journal of Statistics
- Parisankhyan Samikkha
- Computers and Mathematics with Application - An International Journal
- Journal of Statistical Research
- Mathematical Reviews
- Proceedings of the American Institute for Decision Sciences
- Communications in Statistics - Theory and Methods
- The American Statistician
- Decision Sciences
- Virginia Journal of Science
- The Pakistan Journal of Statistics
- Journal of Statistical Studies
- Journal of Multivariate Analysis
- Computational Statistics and Data Analysis
- IIE Transactions - Special Issue on Quality and Reliability
- Journal of Applied Statistics
- Sankhya
- Journal of Geometry
- Dirasat
- Journal of King Saud University (Science)
- Journal of Statistical Computation and Simulation
- Journal of Statistics & Management Systems
- Journal of Statistics
- International Journal of Statistical Sciences
- Pakistan Journal of Statistics and Operation Research
- Electronic Journal of Applied Statistical Analysis

Organization of Conferences, Meetings, and Workshops at Ball State

- Organized the *Statistics Days* Conference, April 9-10, 1976, Ball State University, Muncie, Indiana.

- Co-Founder, *Annual Midwest Biopharmaceutical Statistics Workshop (MBSW),* co-sponsored by the American Statistical Association, May 1978 – present, Ball State University, Muncie, Indiana.

- Organized Four *Special Sessions on Probability and Statistics*, American Mathematical Society Regional Meeting, October 27-28, 1989, Ball State University, Muncie, Indiana.

Arranged Visiting Appointments of the following researchers

I arranged the visits of the following visiting professors to Ball State University for research collaboration with me.

- Dr. M. Forhad Hossain, Professor of Statistics (now Pro Vice Chancellor), Jahangirnagar University, Bangladesh, 2001-02.

- Dr. Jungsoo Woo, Professor of Statistics, Yeungnam University, Korea, 2003-04.

- Dr. J. S. Cho, Professor of Informational Statistics, Pusan National University, Korea, 2005-06.

- Dr. Mir Ghulam Hyder Talpur, Professor of Statistics, University of Sindh, Pakistan, 2006-07.

- Dr. Manisha Pal, Professor of Statistics, University of Calcutta, India, 2006, 2008.

- Dr. Rahmatullah Imon, Professor of Statistics, Rajshahi University, Bangladesh, 2004-05.

Proceedings Edited

I have edited and published the Proceedings of Statistics Days Conference, held at Ball State University on April 8-10, 1976 and organized by me. The Proceedings contain fifteen research articles by statisticians of national and international repute. Many copies of the Proceedings have been sold in the U.S.A., Canada, and Europe.

Initiation of Technical Reports

It has been due to my initiative and efforts to promote research activities that the Department of Mathematical Sciences at Ball State University officially started publication of the Technical Reports series in 1976.

Significant Work on Committees and Professional Organizations

National

- Founding President, North America-Bangladesh Statistical Association (1989-current).

- Program Co-Chair, Midwest Biopharmaceutical Statistics Workshop, 2002, 1997, 1992, 1987.

- Chairperson, Local Arrangements, Midwest Biopharmaceutical Statistics Workshops 1977-date.

- Member, Nominating Committee of the North Central Region, Sigma Xi, 1996-97.

- Vice Chair, American Statistical Association Council of Chapters - District 4, 1992, 1993, 1994.

- Member, American Statistical Association Committee on Video-games on Statistics and Probability, 1994.

- Member, Nominating Committee of the COC Governing Board of the American Statistical Association, 1994.

- Member, American Statistical Association Council of Chapters Governing Board, 1992, 1993, 1994.

- Member, American Statistical Association Council of Chapters Nominating Committee, 1993.

- Representative, American Statistical Association Council of Chapters, two-year term, 1990, 1991.

- Member, Committee on Minorities of the American Statistical Association for a three-year term, 1988-90.

State

- President, Central Indiana Chapter of the American Statistical Association, 1990-91, 1989-90.

- Vice President, Central Indiana Chapter of the American Statistical Association, 1988-89.

University

- Member, University Senate, 1997-2000, 2000-2003.
- Vice Chair, Graduate Education Committee, 1999-2000.
- Secretary, Graduate Education Committee, 1998-99.
- Member, GEC, 1997-2000.
- Member GEC Faculty Affairs Subcommittee, Spring 1997, 1998-99.
- Member, GEC Executive Committee, 1998-2000.
- Chair, GEC Students Affairs Subcommittee, 1995-96.
- Member, Academic Policies Council, 1997-2000.
- Member, Graduate Recruitment Committee, 1999.
- President, Ball State Chapter of Sigma Xi, 1999-2000.
- President-Elect, Ball State Chapter of Sigma Xi, 1998-99.
- Vice President, Ball State Chapter of Sigma Xi, 1997-98.
- Departmental Representative to the Academic Policies Council, 1994-97.
- Member, Ball State University Outstanding Faculty Awards Committee, 1994, 1995.
- Invited Participant, The Third PEW Roundtable, December 13, 1994.
- Chairman, Ball State University Asian Studies Committee, 1994-95.
- Chairman, Ball State University Research Committee, 1989-90, 1990-91.

- Chairperson, Ball State University Faculty Publications Committee, 1977-78, 1978-79.

- Member, Ball State University Research Committee, 1988-89.

- Member, Ball State University, Faculty Publications Committee, 1976-77.

- Member, Ball State University Asian Studies Committee, 1978-98.

- Chairperson, Ball State University Statistics Group, 1976-77. The group was organized by me to foster statistical research at Ball State. (No longer exists due to lack of participation).

- Faculty Adviser, Ball State University Muslim Students Association, 1974-77, 1987-90.

College

- Departmental Representative, College P & T Committee, 1996-97, 1994-95.

- Invited Participant, The College of Sciences and Humanities PEW Roundtable, January 27, 1995

Department

- Director, Graduate Statistics Program, 1971 – 2007.

- Chair, Departmental Faculty Colloquium and Lecture Series, 1997-98.

- Director, Graduate Programs, 1997-98.

- Chairperson, Department of Mathematical Sciences Professional Policies Committee, 1996-97, 1994-95.

- Member, Department of Mathematical Sciences Professional Policies Committee, 1995-96.

- Chair, Departmental Handbook Committee, 1994-95.

- Member (*ex-officio*), Contract Faculty Advisory Committee, 1996-97, 1994-95.

- Chair, Actuarial Science Faculty Search Committee for the Lincoln National Distinguished Professorship and for regular tenure-track position, 1995-96; member, 1996-97.

- Chairperson, Department of Mathematical Sciences Graduate Programs Committee, Fall 1994.

- Chair, Research, Seminars and Lectures Committee, 1989-90. Member 1990-91.

- Member, Department of Mathematical Sciences Professional Policies Committee, 1978-79, 1982-83, 1988-89.

- Chairperson, Department of Mathematical Sciences Actuarial Science and Statistics Committee, 1980-1990.

- Chairperson, Department of Mathematical Sciences Research Committee, 1975-76, 1980-1985.

- Chairperson, Department of Mathematical Sciences Salary Committee, 1983-84.

- Chairperson, Department of Mathematical Sciences Graduate Committee, 1974-75, 1975-76, Spring 1994; member, 1969 - 2007.

Community

- I was a guest speaker at the local Kiwanis Club, local churches and student residence Halls and other local groups.

- I am a member of Muncie Sunrise Rotary Club.

Service on Grant Proposal Evaluation Panels

I served on advisory panels of National Science Foundation for reviewing proposals for Pre-College Teacher Development Program and Student Science Training Program Grants. I also served on the committee for evaluating proposals for the CORE grants awarded by the College of Sciences and Humanities, Ball State University in 1981.

Research Consulting

- Upon invitation by the Institute of Public Administration, Washington, D.C., I participated in 1986 as a consultant to the Bangladesh Government Computerization Project which was funded by the World Bank.

- Performed statistical consulting for the Department of Biometry, The University of Kansas Medical Center, Kansas City, Kansas, in 1980, 1981, and 1982. Performed statistical consulting for the Indiana Bureau of Motor Vehicles, Indianapolis, in 1977-78, in connection with the projection of revenues totaling over 26 million dollars per year from a new scheme of prorated license plates for trucks.

- Directed a statistical research study of bioethical issues of Ball State community under a state grant in 1977.

- Conducted statistical research studies on large power transformers during the years 1974-76, and the results were presented at the national mathematical meetings.

- Performed statistical consulting for Ball Corporation, Muncie, 1970-71.

Miscellaneous Activities

- External Examiner, Sultan Qaboos University, May 2009 and May 2010, to review the Bachelor's, Master's, and PhD programs in Statistics for accreditation of their degree programs in Statistics.

- Represented Ball State Chapter of Sigma Xi at National Sigma Xi Annual Meeting in Vancouver, Canada, November 12-15, 1998.

- Represented Ball State Chapter of Sigma Xi at National Sigma Xi Annual Meeting in Washington, DC, November 20-23, 1997.

- Prepared the report of the American Statistical Association Survey of the Chapters, 1993.

- Served as external reviewer for promotion of faculty members at universities in Bangladesh, Pakistan, Kuwait, Saudi Arabia, Jordan, USA, and Canada.

- On the nomination by the Chancellor (President of the People's Republic of Bangladesh) of Dhaka University, I served as the external reviewer for new appointments and promotion of faculty members in the Department of Statistics at Dhaka University.

- Serve as contact person of the American Statistical Association for the Ball State University Statistics Program.

- Served as common evaluator for peer evaluation of all the regular faculty members of the department.

- Due to my initiative Ball State University become an Institutional Member of the American Statistical Association.

- Represented Ball State at the meetings of the Institutional Members of the American Statistical Association.

- Assisted Jahangirnagar University in Bangladesh in revising their statistics curriculum.

- Assisted students in finding jobs after graduation.

- Interviewed candidates at professional meetings for positions in the department.

- Served as a faculty mentor.

- Served as external reviewer of grant proposals for the BSU Office of Research and Sponsored Programs.

PAST ACCOMPLISHMENTS

Prior to Joining Ball State University (1957-66)

During my employment with the Socio-economic Board, University of Dhaka (1957) and the erstwhile Government of Pakistan (1958-66) my main duties and responsibilities involved statistical research in agricultural census, commerce and personnel management. A number of my research papers have been published under the names of various organizations of the erstwhile Government of Pakistan (We could not use our own names). I have rendered valuable service while I worked with the Government of Pakistan by doing statistical research in agricultural census, commerce, and personnel management. I was in the United

Kingdom and Italy on a fellowship awarded jointly by the Government of Pakistan and the Food and Agricultural Organization (FAO) of the United Nations in 1960 for higher training in Agricultural Census and Agricultural Census Data Processing. As an officer for about nine years with the government of Pakistan I gained valuable experience both in administration and in research work. In 1967 I was also offered the position of Senior Statistician in the Ministry of Commerce of the erstwhile Government of Pakistan which was the topmost position in statistics in the Ministry. However, I did not join the position because I was working toward my Ph.D. degree at that time and also because I wanted to pursue a university teaching career.