

CURRICULUM VITAE



PERSONAL

Name: : Mohammed Ibrahim Ali Ageel
Academic Rank : Full Professor of Mathematics & Chair
Jazan University, Jazan, KSA

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EDUCATION

B.A. in Mathematics, Mathematics Department, Abha, King Saud University, Abha, Saudi Arabia (KSA), 1983..

M.Sc. in Mathematics, Department of Mathematics, College of Science, Indiana University, Bloomington, United State Of America (USA), 1987.

Ph.D. in Probability Theory, Mathematical Statistics Department, College of Science, University of Exeter, Exeter, United Kingdom (UK), 1992

OCCUPATION

(a) Graduate Teaching Assistant, Department of Mathematics, King Saud University, Abha, Saudi Arabia, 1983-1992.

(b) Teaching Assistant, Mathematical Statistics Department, University of Exeter, Exeter, 1988-1992, UK.

(c) Assistant professor, Department of Mathematics, King Saud University, Abha, Saudi Arabia, 1993-1998.

(d) Associate Professor, Department of Mathematics, King Saud University, Abha, Saudi Arabia, 1998-2000.

(e) Associate Professor, Department of Mathematics, King Khalid University, Abha, Saudi Arabia, 2000-2001.

- (f) Professor, Department of Mathematics, King Khalid University, Abha, Saudi Arabia, 2002-September 28, 2009.
- (g) Visiting Professor, Department of Mathematical Sciences, Ball State University, Muncie , Indiana, October 30, 2007 to September 2008.
- (h) Chairman, Saudi Association for Statistical Sciences, Saudi Arabia, 2009-present
- (i) Professor , Department of Mathematics, College of Science, Najran University, Saudi Arabia, September 28, 2009-2010
- (j) V. Dean of Engineering, Najran University, Najran, Saudi Arabia 2009-2010
- (k) Professor of Mathematics, Dept of Mathematics, College of Science, Jazan University, Jazan, Saudi Arabia, 2010-present
- (l) Chairman, Mathematics Dept., College of Science, Jazan University, Jazan, Saudi Arabia, 2010-present
- (m) Member, Advisory Board, Deanship of Academic Development, Jazan University, Jazan, Saudi Arabia , 2010- present

ACADEMIC ACTIVITIES

- (a) Dean Of Graduate Studies, King Khalid University, Abha, Saudi Arabia, 2002- 2008
- (b) The chairman of Mathematics Department, Abha, King Saud University, Abha, Saudi Arabia, 1993- 2000
- (c) Chairman of Mathematics Department, King Khalid University, Abha, Saudi Arabia, 2000- 2002
- (d) Scientific and Academic Research Council member, King Khalid University, Abha, Saudi Arabia, 1998-2003.
- (e) Secretary General, Scientific Council, King Khalid University, Abha, Saudi Arabia, 2002-2004.
- (f) Member of Council, Deans of Graduate Studies in Saudi universities, Saudi Arabia, 2002-2008.
- (g) Member of King Khalid University Council, Abha, Saudi Arabia, 2002-2008
- (h) Member of King Khalid University Advisory Board, Saudi Arabia, 2002-2008
- (i) Member of Scientific Research Council, Deanship of Scientific Research, King Khalid University, 2003-2008

- (j) The founder and President of Saudi Association for Statistical Sciences (www.sass.org.sa); 2005-present
- (k) Member, Graduate Studies Council, Najran University, Najran , Saudi Arabia, 2009-2010
- (l) Member, Department of Mathematics Council, College of Science, Najran University, Najran, Saudi Arabia, 2009-2010
- (m) Member and General Secretary, Engineering Council, College of Engineering, Najran University, Najran, Saudi Arabia, 2009-2010
- (n) Member, Mathematics Council, Dept. of Mathematics, College of Science, Jazan University, Jazan, Saudi Arabia, 2010-present
- (o) Chairman, Mathematics Dept., College of Science, Jazan University, Jazan, Saudi Arabia, 2010- present
- (p) Member, Advisory Board, Deanship of Academic Development, Jazan University, Jazan, Saudi Arabia, 2010- present

OTHER UNIVERSITY ACTIVITIES

- (a) Computer Curriculum and Planning Committee, King Khalid University, Abha, Saudi Arabia, 2000.
- (b) Scientific Committee, Higher Education Symposium, King Khalid University, Abha, Saudi Arabia, 2000.
- (c) King Khalid University Journal Committee, King Khalid University, Abha, Saudi Arabia, 2001
- (d) Student Admission Committee, Abha Branch, King Saud University, Abha, Saudi Arabia, 1993-1994.
- (e) Final Exam Committee 1993, Abha Branch, King Saud University, Abha, Saudi Arabia
- (f) Departmental Curriculum and Planning Committee, Department of Mathematics, Abha Branch, King Saud University, Saudi Arabia., 1992-1999
- (g) Computer Curriculum and Planning Committee, King Saud University, Abha Branch, Saudi Arabia, 1998.
- (h) The organizer of the Departmental Seminar, Department of Mathematics, Abha Branch, King Saud University, Saudi Arabia, 1992-1998.

- (i) Other Committees, Department of Mathematics, King Khalid University, Abha, Saudi Arabia.
- (j) The member of Higher Studies Committee, College of Science, King Khalid University, Abha, Saudi Arabia, 2001-Present.
- (k) Chairman of Graduate Studies Committee, Dept. of Mathematics, KKU, Abha:2005-2007
- (l) Curriculum and Planning Committee, King Khalid University, Abha, 2002-2007
- (m) Founder and chairman of Saudi Association of Statistical Science(SASS)
- (n) Graduate Programs Committee, Dept of Mathematics, King Khalid University, KSA, 2007-present
- (o) Recruiting Committee, Dept. of Mathematics, King Khalid University, KSA, 2005-present
- (p) Gifted and bright Students committee, King Khalid University, KSA, 2008-present
- (q) Member, Graduate Studies Council, Graduate Studies Deanship, Najran University, Najran, Saudi Arabia, 2009-2010
- (r) Member, Mathematics Dept Council, Najran University, Najran, Saudi Arabia, 2009-2010
- (s) Member, Faculty Council, College of Science, Jazan University, KSA, 2010-present
- (t) Member, Mathematics Council, Dept of Mathematics, College of Science, Jazan University, Jazan, Saudi Arabia, 2010-present
- (u) Member, Advisory Board, Deanship of Academic Development, Jazan University, Jazan, Saudi Arabia , 2010- present
- (v) Coordinator, Recruiting and TA Committee, Dept. of Mathematics, Jazan University, KSA, 2010-present

GRANDS AND AWARDS

Grant From King Saud University for M.Sc. and Ph.D.

Teaching Assistant Award, Department of Mathematics, Indiana University, Bloomington, USA, 1985

Overseas Students Award from Mathematical statistics Department, University of Exeter, UK.

British Council Post-doctoral Summer Program, UK, August 2, 1995.

MEMBERSHIP

I am a fellow of the following societies:

- (a) American Statistical Association, USA.
- (b) Royal Statistical Society, UK.
- (c) Journal of Educational Statistics, ASA, USA.
- (d) Saudi Association for Mathematical Sciences, Saudi Arabia.
- (e) ISI, Netherlands.
- (f) Bernoulli Society, Netherlands
- (g) Founder and Chairman of Saudi Association for Statistical Sciences (SASS)..
- (h) Belief Function and Applications Society
- (i) Applied Probability Society

CONFERENCES, SYMPOSIUM AND WORKSHOPS

- (a) Annual Statistical Conference, American Statistical Association, USA, 1994.
- (b) First Annual Meeting, Saudi Association for Mathematical Sciences, KSU, Riyadh.
- (c) Research Students Statistical Conference, Glasgo, UK, 1991.
- (d) Statistical Modeling Conference, Mathematical Statistics Department, University of Exeter, Exeter, UK, 1993.
- (e) International Statistical Conference organized by University of North Carolina and University of Cairo, Egypt, 1994.
- (f) International Workshop on Stochastic Modeling and Variable Selection, University of Duke, Durham, NC, USA, 1997.
- (g) Saudi Mathematical Association Second Meeting, King Saud University, 1997
- (h) Saudi Mathematical Association Third Meeting, King Saud University, Riyadh, Saudi Arabia, 1998.
- (i) Third International Conference on Statistical Modeling and Simulation, Victoria University, Melbourne, Australia, 1997.
- (j) 13th International workshop on Statistical Modeling, New Orleans, July 27-31, 1998.
- (k) International Conference on Modeling and Simulation, Santiago de Compostela, Spain, May, 17, 1999
- (l) The First Workshop of Research Preparation Programs, King Abdualaziz For Science and Technology , Riyadh, Saudi Arabia, 2000.

- (m) Mathematics-2000 Conference, Saudi Association for Mathematical Sciences, King Saud University, Riyadh, 2000.
- (n) Compstat-2000, Utrecht University, Utrecht, Netherlands, 2000.
- (o) JSM2001, ASA meetings, Atlanta, Georgia, USA, 2001
- (p) Scientific Conference2001, Tiaz, Yemen.
- (q) JSM2002, New York, August, 2002.
- (r) Erasmus 2002 Summer Program: Medical Quantitative Research Methods, Erasmus University, Rotterdam, Netherlands. Will take place on August 12-30, 2002.
- (s) The second Workshop on Accreditation and self assessment, Ministry of Higher Education, Saudi Arabia, 2003.
- (t) The second international workshop in Applied Probability, University of Piraeus, Piraeus, Greece, March 22-25, 2004
- (u) The First Conference For Mathematical Sciences, Applied Sciences University, Jordan, October 6-8, 2004-10-27
- (v) The Third workshop on Accreditation and Assessment: Quality and Assessment, Ministry, of Higher Education , Saudi Arabia, 2004.
- (w) International Conference on the future of Theory, Practice and Teaching of Statistics. University of Hyderabad , India, sponsored by ASA and IMS, December 27, 2004-January 2, 2005.
- (x) First International Conference in Mathematics and Statistics, Sponsored by MSMSSEA, Indonesia, Bandung, June 19-21, 2006 (Keynote Speaker)
- (y) International Conference on Clinical Biostatistics, organized by ISCBS, Geneva, Switzerland, August, 27-31, 2006.
- (z) International conference on Soft Methods in Probability and Statistics, University of Bristol, Bristol, UK, September, 7-9, 2006.
- (a1) The sixth International seminar on Stochastic Analysis, Random Fields and Applications, Ascona, Switzerland, May 1-19, 2008.
- (b1) International Conference on Random Matrix., Tunisian Statistical Society, Souse, Tunis, June 2-6, 2008
- (c1) Summer school on Probability, University of British Columbia,, Vancouver, Canada, June 11, July 22 2008

- (d1). Third International Conference in Mathematics and Statistics, Sponsored by MSMSSEA, Institute Pertanian Bogor, Bogor, Indonesia, August 5-6, 2008 (Invited speaker)
- (e1) ISNI2008: International Seminar on Nonparametric Inference, November 5-7-, 2008, Vigo, Spain
- (f1) IASC2008: Joint meeting of 4th World Conference of the IASC and 6th Conference of the Asian Regional Section of the IASC on Computational Statistics and Data Analysis, Yokohama Japan, December 5-8, 2008
- (g1) International Conference on Recent Development of Statistical Sciences, December 26-27, 2008, North South University, Dhaka, Bangladesh (Invited Speaker)
- (h1) International Symposium on Optimization and Statistics, December 29-31, 2008, Aligarh University, Aligarh, India(Invited Talk)
- (i1) International Conference on Stochastic Analysis and Random Dynamical Systems, June 14-20, 2009, Lviv, Ukraine (Invited Talk)
- (j1) IMST 2009: Interdisciplinary Mathematical and Statistical Techniques, University of West Bohemia, PLZEN, Czech Republic, May 23-26, 2009 (Invited talk)
- (k1) Tenth Islamic Countries Conference on Statistical Sciences (ICCS-X) on Statistics for Development and Good Governance, American University in Cairo, New Cairo, Egypt, December 20-23-, 2009 (Invitation as Int editor)
- (l1) The Second Arab Statistical Conference, Tripoli, Libya, November 2-4, 2009
- (m1) Second National Conference on Quality Assessment, mohe, Riyadh, Saudi Arabia, November 6-8, 2009-12-12
- (n1) International Workshop on Theory of Belief Functions, Ensieta, Brest, France, April 1-2, 2010
- (o1) Joint Statistical Meeting 2010, American Statistical Association, University of British Columbia, Vancouver, Canada, July 31-August 5, 2010
- (p1) Third International conference on Statistical Sciences, University of Punjab, Lahore, Pakistan, November 25-2,2010 (Keynote Speaker)
- (q1) The first International Conference on theory and applications of statistics, Dahka University, Bangladesh, December 26-28, 2010 (Invited Talk)
- (r1) International Conference on SAAP2010, Institute of Military Academic, Research Unit, Mathematics and Applied Mathematics, Sousse, Tunisia, October 5-10, 2010
- (s1) International Conference on Stochastic Processes and Controls, Bad Herrenalb, KIT, Germany, March 29- April 1, 2011

(t1) First Spring School On Function of Belief Theory, GIPSA-Lab, Autran, France, April 4-8, 2011

(u1) Applied Probability Society Conference, Stockholm , Sweden, July 6-8, 2011-04-10

(v1) Statistical Modeling, Valencia, Spain, July 11-14, 2011-04-10

(w1) 7th conference on Statistical Computations and Complex systems, University of padova, Padova, Italy, September 19-21, 2011

PUBLICATIONS

Papers and Articles:

(1) Note On Using Probability To Evaluate Euler's Integral. *Advances in Modelling and Analysis*, Vol. 31, No. 1, 55-57,1997, France

(2) Normal, Lognormal and Logistic Distribution As A Models for Annual precipitation in Saudi Arabia , *Kar. Univ. J. Sc.* 25(1), 11-17, 1997(With Professor Anwer Khurshid)

(3) A Note On Maximum Likelihood Estimation Of Poisson Clumping Model. *5th Statistics Seminar Proceedings*, Section B, 73-76, 1995, Department of Statistics, University of Karachi

(4) Statistical Study Of Khamasin Storm Over Decays. *Saudi Mathematical Association, Abstract.*

(5) Probability Theory And Its Application- **Text Book**- Arabic version, *King Saudi University Press*, 2000 (With Professor Abouammoh)

(6) A Selected Bibliography On Forecasting, *The Egyptian Statistical Journal*, Vol. 40, No. 2, 221-328, 1996 (With Professor Hardeo Sahai and Professor Anwer Khurshid)

(7) Analysis Of Variance: Fixed, Random, and Mixed Models- **Reference Book**, *Birkhauser*, Boston , September, 2000, USA (With Professor Hardeo Sahai). www.birkhauser.com
<http://www.springer.com/birkhauser/applied+probability+and+statistics/book/978-0-8176-4012-5>

<http://pubs.amstat.org/doi/abs/10.1198/jasa.2001.s380>

(8) Clinical Trials: An Overveiw, *Appllied Clinical Trial*, 1996, vol. 5, no. 12, 30-48, USA (With Professor Hardeo Sahai and Professor Anwer Khurshid)

(9) A Note on Population Dynamic: An Introductory Models, *Jour.Instit. Math. &Comp. Sci.*, vol.8, no.2, 151-152, 1995.

(10) A Note on Least Squares Regression When Both Variables are Subject to Error, *Umm Al-Qura University Journal*, Ninth Year, Vol. 12, 49-60, 1996.

- (11) On A patrol problem. *T S*, Volume 19, Number 3, 84-86, Autumn, 1997, UK.
<http://www.amstat.org/publications/jse/v5n3/resource.html>
- (12) A Note on Discrete Distribution Functions (Funded by KSU, Saudi Arabia). *Refereed Series*, 1998, King Saud University Research Center
- (13) A Concise Course in Probability Theory (In Progress) (With Professor Anwer Khurshid and Professor Hardeo Sahai)
- (14) On Discrete Unimodality. *Dirasat*, Vol. 26, No. 1, 1999, The University of Jordan.
- (15) On Matching of Order Statistics with intervals. *Italian Journal of Pure and Applied Mathematics*, NO. 9, 75-80, 2000, Italy. (With Professor M. Khider)
- (16) On The Statistical Modeling of Growth . Presented at the *Third International Conferenc: Modelling And Simulation*, Victoria University, Melbourn, Australia, 29-31 October, 1997.
- (17) On Asymptotic MLE's of the parameters for A Diffusion Model with Jump. Presented at *International workshop on Stochastic Model building and variable selection*, October 9-10, 1997, Duke University, USA.
- (18) A Maximum Entropy Approximation Method for Semi-Infinite Minimax Problem *Italian Journal Of Pure and Applied Mathematics*, 2002., Italy
<http://www.lib.uoi.gr/online/mathrev/mrindex/auta.pdf>
- (19) Note on Two Estimators for the Polynomial regression with Errors in the Variables. *Umm Al-Qura University Journal*, Volume 12, No. 1, 2000.
- (20) A Patrol Problem: Analytic Approach. *Advances in Modeling and Analysis*, Series D, Vol. 6, NO. 1-2, 2001. France
- (21) On characterizations of Discrete α -unimodality: A survey. *International Journal of Applied Mathematics*, Volume 5, NO. 3, 2001
<http://www.lib.uoi.gr/online/mathrev/mrindex/auta.pdf>
- (22) Role of P-value in Decision Making, *Proceedings of Eight Statistical Seminar*, 2001, 123-130. (With Professor Anwer Khurshid and Mubashir Hassan)
- (23) The mean-median- mode inequality for discrete unimodal probability measure, *Fas East Journal of Mathematical Sciences (FJMS)*, Volume 2, NO. 2, 2000.
<http://www.amstat.org/publications/jse/V13n2/vonhippel.html>
- (24) On Population Diffusion Model With Jumps, *Pak. Jour. of Statist.*, 2002.
<http://www.lib.uoi.gr/online/mathrev/mrindex/auta.pdf>
- (25) Characterizations of Convolution of discrete α -unimodal distributions. *JASS*, No. 12, 2003, USA.

- (26) On Characterization of Convolution of Discrete Unimodal Distributions. JSS, special volume, October 2002, USA (With Professor Anwer Khurshid and Mrs Foziah Alghores)
- (27) Using Spreadsheets to Solve Probability Problems. *Teaching Statistics Journal*, summer, 2002, UK.
- (28) A novel means of estimating quantiles for 2- parameter Weibull distribution under the right random censoring model. *Journal of Computation and Applied Mathematics.*, 2002, Elsevier Science, North Holland.
<http://www.lib.uoi.gr/online/mathrev/mrindex/auta.pdf>
<http://portal.acm.org/citation.cfm?id=639529.639530>
- (29) On Confidence Intervals for Negative Binomial Distribution. *Investigacion Operacional*, volume 26, 2005 (With Professor Anwer Khurshid)
- (30) On Variance upper bounds for discrete α unimodal distributions, *Applicationes Mathematica*, Poland
<http://matwbn.icm.edu.pl/ksiazki/zm/zm27/zm2744.pdf>
- (31) On estimating the parameters of stochastic differential equations Proceedings of workshop in Applied Probability, University of Piraeus, Piraeus, Greece, March 22-25, 2004
- (32) On convolutions of discrete unimodality, Abstracted and presented at *FCFMS, Applied sciences University, Jordan. October 6, 2004*
- (33) On Strong Convolution Of discrete unimodal distribution , *Proceedings of International Conference on the Future of Theory, Practice and Teaching of Statistics, University of Hyderabad, India, December 27, 2004- January 2, 2005*
- (34) On Convolution and Mixing of Discrete Unimodal Distribution. Presented at *the 9th International Vilnius Conference of Probability Theory and Mathematical Statistics, June 29, 2006,*
- (35) On Characterizations on discrete α - unimodality: A Survey (revisited), Presented at *ICOMS-1, Bandung, Indonesia, 2006.*
- (36) Clinical Trial: A Review (Revisited), presented and abstracted at *ISCB Proceedings , Geneva, Switzerland, 2006 (With Professor Anwer Khurshid).*
- (37) Simple Proofs of Two Results on Convolutions of Discrete Unimodal Distributions (With Professor Anwer Khurshid). *IJSS*, 2007
- (38) Stochastic Analysis of x^2 for various Clumping Models. *Festschrift 55-60* and presented and published at Ball state University, Muncie, Indiana, USA, May, 2007.
- (39) Maximum Likelihood Methods for Stochastic Diffusion Model With Jump, Funded Research by KKU, Saudi Arabia, Accepted and presented at International Conference on Stochastic Analysis and Dynamical Systems, June 14-20, 2009, Lviv, Ukraine.

(40) On Confidence Intervals for the Binomial parameters (With Professor Anwer Khurshid), presented and abstracted at First Annual Meeting , Saudi Association for Statistical Sciences, April 14-15, 2009 (www.sass.org.sa)

(41). Estimating and Testing Coefficient of Dispersion from a class of Arbitrary Population (With Professor Ejaz Ahmed).IJSS, Volume 9s, 303-315, 2009

(42) Binomial and Poisson Confidence Intervals and Its applications: A Bibliography (With Professor Anwer Khurshid), Pak. J. of stat and OR, volume v1, no 1, 2010

(43) Confidence Intervals for Lognormal Distribution (With Professor Anwer Khurshid). In progress.

(44) Fifty years of Numbering off (With Professor Khurshid). Submitted.

(45) Measurement Scales and Biostatistics in Medical Research (With Professor Anwer Khurshid), PJSOR, 2010

(46) Effects of Departures From Assumptions Underlying The Analysis Of Variance Models. **Invited article** By Springer Publisher as contributions to Encyclopedia Of Statistical Sciences . January, 4, 2011

<http://www.springer.com/statistics/book/978-3-642-04897-5>

(47) Effects of departure from assumptions underlying the analysis of variance models: Revisited.. Accepted to be presented at American Statistical Association joint statistical meeting, 2010, Vancouver, Canada : <http://www.amstat.org/meetings/jsm/2010/>

(48) Stochastic Differential Equation for Felled Palm Trees in Najran Area. .Grant Reseach Project submitted to Deanship of Scientific Research , Najran University, 2011

(49) The Stochastic analysis of minimum chi-square fro various clumping models:revisited. 5th Canadian Conference in Applied Statistics/20th conference of the Forum for interdisciplinary mathematics. July 1-4, 2011, Concordia University, Montreal, Quebec, Canada

(49) Probabilistic and Stochastic Modeling of Follicular Growth Data. Accepted to be presented at 7th conference on Statistical Computations and Complex Systems. Padova, Italy, September 19-21, 2011

Books:

(1) Analysis Of Variance: Fixed, Random, and Mixed Models- **Reference Book**, *Birkhauser*, , Boston , September, 2000, USA (With Professor Hardeo Sahai). www.birkhauser.com
<http://www.springer.com/birkhauser/applied+probability+and+statistics/book/978-0-8176-4012-5>

<http://pubs.amstat.org/doi/abs/10.1198/jasa.2001.s380>

(2) Probability Theory And Its Application- **Text Book**- Arabic version, *King Saudi University Press*, 2000 (With Professor Abouammoh)

(3) Effects of Departures From Assumptions Underlying The Analysis Of Variance Models. Invited article By Springer Publisher as contributions to Encyclopedia Of Statistical Sciences . January 4, 2011

<http://www.springer.com/statistics/book/978-3-642-04897-5>

(4) A Concise Course in Probability Theory (In Progress and Submitted) (With Professor Anwer Khurshid and Professor Hardeo Sahai)

(5) Statistical Inferences and Biostatistics (In progress). (with Professor A. Khurshid)

(6) Brief in Statistics (In progress) , invited author by Springer, 2012

SUPERVISION OF THESES AND DISSERTATIONS

M.Sc. (Some contributions on discrete unimodality), Department of Mathematics, Girls College, King Khalid University, Abha, Saudi Arabia

MSc. (Maximum Likelihood Methods For Diffusion Process without jumps), College of Science, Dammam, Saudi Arabia

THESIS EXAMINED

(1) A Comparison of Estimators of Parameters in Truncated Distributions, **M.Ph.**, 1997, University of Karachi, Pakistan.

(2) On D-, A- and E- minimax Optimal Designs for Estimating the Slope of a Response Surface in Extrapolation and Interpolation Regions, **MSc** , Department of Statistics, King Saud University, Saudi Arabia.

(3) A Study On Exponentiated Gamma Distribution. **Ph.D.**, Department of Statistics, King Abdulaziz, University, Jeddah, Saudi Arabia, 2007

(4) Estimation of Parameters of Extreme Value Distribution from Complete and Sensor Data. **MSc.**, King Khalid University, Saudi Arabia, June 21, 2009

(5) Numerical Methods for Optimization, **Ph.D.**, Department of Mathematics, Girls College, King Khalid University, Abha, Saudi Arabia, March 3, 2010

(6) Studying the Exponentiated Frechet Distribution. **Ph.D.** , Department of Mathematics, Girls College, King Abdul Aziz University, Jeddah, Saudi Arabia, 2010

(7) Application of the different statistical models to model the extreme values of the weather parameters, **Ph.D.**, Dept of Applied mathematics, Birla Institute of Technology, Mesra, Ranchi, India, 2010

PAPERS and Funded Projects REFEREED

- (1) A Critique of Walley's Inferences from Multinomial Data.
- (2) Informational Opportunities for some approaches to registration and processing of individuals parameters in investated objects.
- (3) Stochastic Model: Parameters estimation.
- (4) Approximation Method for Minimax Probelm.
- (5) Viscous and Fluid Equilibria in two species Biological Game.
- (6) The Generalized Stone- Weistrass Approximation theorem and Approximation of Continuous Functions of Several Variables by an Arbitrary Non Linear Continuous function of one Varaible, Linear Functions and their Superposition.
- (7) Lorenz Curve and Gini Coeffcient in Right Truncated Pareto's Distribution.
- (8) Least Square Projection Method.
- (9) Some Statistical Models to study blood presure phenomena in the western region of Saudi Arabia.
- (10) Pooling Estimators From Exponential Grouped Censored Data.
- (11) The Statistical Changes for determining triglyceride and cholesterol.
- (12) Acceptance Sampling Based on Truncated Life tests in Pareto Distribution of the second type.
- (13) Suitable inputs combinations for improving outputs in DEA with determining input congestion.
- (14) Design of a Wide Area Network (WAN) for Universities.
- (15) Local power for combining independent tests in the presence of nuisance parameters for logistic distribution.

- (16) Estimating the cauchy location and scale parameters using empirical characteristic function
- (17) Estimating Pareto Distribution parameters using minimax.
- (18) Statistical Criteria for evaluating fractional factorial designs
- (19) On discrete normal distributions
- (20) A repairable system with N Failure Modes and K standby Units
- (21) On Minimum Variance Unbiased Estimators of Some Discrete distributions
- (22) Monto Carlo Method for first autoregressive model
- (23) Comparison of Two Approaches for Traffic Volume Forecasting.
- (24) Bayesian Interim Analysis of The Mixture of Lomax Distributions.
- (25) Optimum Constant Stress Partially Accelerated Life test plans with type 2 censoring: The case of Weibull Failure Distribution.
- (26) Comparing of Reliability Characteristics between two different systems by using preventive maintenance and Gert Techniques
- (27) First Order Superdiagonal bilinear time series for tracking software reliability.
- (28) Probabilistic analysis of a system with two phase failure and abnormal weather conditions.
- (29) Stochastic Analysis of a two unit cold standby system with two stage repair and waiting time
- (30) Multistage Percentile Ranked Set Samples
- (31) A Simulation Study on test of hypothesis.....with and without missing data
- (32) The new approach to guide the selection of the true model in multiple linear regression
- (33) On Nonparametric Goodness of Fit tests for lifetime model
- (34) Theoretical Analysis of Beta- extreme value Distribution.
- (35) Best Estimate curve for traffic volume forecasting
- (36) Test statistics for combined treatment contrast under heterogeneous variances and latin square design (Funded Project)

- (37) Probabilistic Distribution for disaster and return period
- (38) On Probability density function of the Quotient of Generalized order Statistics from Weibull Distribution
- (39) Moments of Generalized Order Statistics from a general class of Distribution (Funded Project)
- (40) The Generalized Probability weighted Moments for Lomax Distribution (Funded Project)
- (41) Simulation Techniques to investigate the distributional characteristics of the test statistics
- (42) Moment inequalities for NBRU class of aging distribution Reliability measures of $n+1$ – unit standby system (Funded Project)
- (43) Statistical Tolerancing Through Discretization of Variables
- (44) A single parameter model to study the distribution of chromosome " Breaks in Human Cells" Janardan Distribution
- (45). A Multivariate Processes Variability Monitoring Based On Frobenius Norm
- (46). M/M1 Retrial Queuing system with second optional service under pre-emptive priority service: Matrix Geometric Method.
- (47) Reliability properties of a strength-stress model involving mixtures of exponentiated Frechet distribution (Funded Project)
- (48) Bayesian and non-Bayesian estimations of stress-strength models in Log extended Weibull distribution.(Funded Project)
- (49) Properties of a new lifetime distribution (Funded Project)
- (50) Bayesian Prediction Intervals for Future Order Statistics from Exponentiated Frechet distribution. (Funded Project)
- (51) Optimal Estimation of Autoregressive Models with non-stationary Innovations: A Simulation Study.
- (52) Implementing GIBBS Sampler in C
- (53) Inferences on step stress accelerated life tests for parameters of Burr type III based on Censoring (Funded Project)
- (54) Statistics on Diabetic Stochastic Differential Equations (Funded projects by KACST)
- (55) Some powerful Simple and Composite Goodness of Fit Tests

- (56) New Weighted Weibull Distribution
- (57) Stochastic Modeling of wholesale of Rohu in West Bengal, India
- (58) Numerical Methods for Bayesian Analysis
- (59) Characterizations of Certain Distributions doubly truncated based on order statistics
(Funded Research Project, KAU)
- (60) Extreme Value Charts & Anom based on inverse Raleigh distribution.

BOOK REFEREED

Principles of Estimation Theory by Abdullah AlShiha, King Saud University, 2007.

TEACHING RESPONSIBILITY

Graduate Level: Probability Theory, Multivariate Analysis ,Analysis of Variance, A Selected Topics in Regression Analysis, Pascal Programming, Statistics and Minitab, Research seminar, Mathematical and Statistical Methods using Computer.

Undergraduate Level: Probability Theory, Statistics and Probability, Differential equations, Probability and Measure, Measure Theory, Research Collicum, Presentation collicum, Linear Programming, Experimental Design.

OTHER ACTIVITIES

Member, Editorial Board: International Journal of Modern Applied Statistical Methods, USA
 Member, Editorial Board: Journal of Mathematics and Statistics, USA
 Member, Editorial Board: Advances and Applications in Statistics, India.
 Member, Editorial Board, Pakistan Journal of Statistics, Pakistan
 Member, Editorial Board, Intestat Journal, USA
 Member , Editorial Board, Far Pacific Journal of Mathematics, India
 Member, Editorial Board, Pakistan Journal of Statistics and Operational research
 Member, Editorial Board: Journal of Statistics, GC University
 Member, Associate Editor, Springer Link, USA/ Germany
 Reviewer, Royal Statistics Society Journals , UK
 Reviewer, Advances in Modeling and Simulation, AMSE, France..
 Reviewer, Computer and Mathematics with Applications, USA

Reviewer, Computation and Applied Mathematics, Brazil Mathematical Society, Brazil
Reviewer, Annual Statistical Seminar, Dept. of Statistics, University of Karachi, Pakistan.
Reviewer, International Journal of Quality and Reliability Management, New York, USA
Reviewer, Jazus Journal , China.
Reviewer, King Saud University, Scientific Council, KSA
Reviewer, King Abdul Aziz , Scientific Council, KSA
Reviewer: KSU Science Journal, KSA
Reviewer, KACST
Reviewer, Research Center, KSU, Sciences and Medical Sciences Center , Female section
Reviewer: KAAU Science Journal, KSA
Reviewer, IPA, KSA
Reviewer, King Khalid University Journal, Science and Medical Sciences series Section, Saudi Arabia
Permanent Referee, University of Punjab, Lahore, Pakistan
Member, International Organizing Committee, ISOSS Conference, Malaysia, 2007
Member, International Organizing Committee, ICC-X, American University in Cairo, Egypt, 2009
Chairman, Organizing committee, First Annual Meeting, Saudi Association for Statistical Sciences, KKU, Saudi Arabia, 2009
Reviewer, IASR Journal: JARSP: Advanced Research in Statistics and Probability
Member, International Organizing Committee, ICC-XI, Jordan, 2011
Reviewer, Advanced Research in Statistics and probability, IASR, CA, USA
Member, Applied Probability Society, USA

OTHER WORK ACTIVITIES

Ten Years of Death- Academic views. *AMSTAT News*, January, 1998, USA
Geometric Constructions in Intermediate School Mathematics. Teaching Mathematics Symposium, *Saudi Association for Mathematical Science, Second Meeting*, King Saud University, Riyadh, April 1-2, 1997, Saudi Arabia.

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Mathematics Teachers and Flunked Students Phenomena (part two). *Al-Belad News*, Vol 69, No. 14966, 1997, Saudi Arabia.

Academic Views. *King Khalid University News Letter*, 2001

Academic accreditation and self assessment, King Khalid University news letter, 2004

RESEARCH INTEREST

Abstract Probability, Stochastic and Probabilistic Modeling, Probabilistic Programming, Distribution Theory, Characterization Theory, Reliability and Survivals Analysis , Estimation Theory, Design and Analysis of Experiments, Statistical Processes Control, Biostatistics and Medical Statistics, Industrial Statistics, Teaching Statistics and Statistical Packages and Software