**Curriculum Vitae**
Prof. Khalaf S. Sultan
King Saud University
Saudi Arabia
Webpage: http://faculty.ksu.edu.sa/70732/default.aspx

- **Name:** Khalaf Salman Sultan Salman

- **Mailing address:**
  Department of Statistics and Operations Research,
  College of Science, King Saud University,
  Riyadh 11451, P.O.Box 2455, Saudi Arabia.

- **Phone**
  - 00966-502213660 (Mobile)
  - 00966-1-4676263 (Office)
  - 00966-1-4676274 (Fax)

- **Email**
  - ksultan@ksu.edu.sa
  - ksultan2000@hotmail.com.

- **Education**
  1. B.Sc (Mathematics), Assiut University, Assiut, Egypt, 1986.
  2. M.Sc. (Statistics), Assiut University, Assiut, Egypt, 1992.
  3. Ph.D.(Statistics) 1998.(Ph.D. was carried out under Channel system between Al-Azhar University, Cairo, Egypt and McMaster University, Hamilton, Canada).

- **Professional organizations**
  1. Member of the Egyptian Mathematical Society.
  2. Member of the Egyptian Scientific Professions Syndicate.
  3. Member of the Saudi Association for Mathematical Sciences.
  4. Member of the Saudi Statistical Society.

- **Employment History**
  1. Professor, Department of Statistics and Operations Research, College of Science, King Saud University, Riyadh, Saudi Arabia (3/ 10 /2007 – Present).
  2. Assoicate Professor, Department of Statistics and Operations Research, College of Science, King Saud University, Riyadh, Saudi Arabia (15/ 4 /2003 – 2/10/2007).

3. Assistant Professor, Department of Statistics and Operations Research, College of Science,  King  Saud University, Riyadh, Saudi Arabia. (29/8/2001– 14/ 4/ 2003).
4. Lecturer, Department of Mathematics, Faculty of Science, Al-Azhar University, Cairo,  Egypt. (16/7/1998 – 28/8/2001).
5. Assistant Lecturer, Department of Mathematics, Faculty of  Science, Al-Azhar University, Cairo,  Egypt, (8/6/1992 – 15/7/1998).
6. Demonstrator, Department of Mathematics, Faculty of Science, Al-Azhar University,  Cairo,  Egypt. ( 20/1/1990 – 7/6/1992).

- **Research Interests**
    1. Statistical Modelling and Data Analysis
    2. Theory of Distributions
    3. Mixtures
    4. Estimation Theory
    5. Reliability
    6. Order Statistics
    7. Record Values
    8. Characterization
    9. Goodness –of- Fit
    10. Ststistical computing
    11. Prediction

- **Consultations and Training Experience**

    Conducted different statistical consultations and Training courses in many governmental and private agencies including:
    1. King Abdullah Institute for Research and Consultation Studies, King Saud University.
    2. Deanship of Skills Development, King Saud University.
    3. College of Applied Studies and Community Service.
    4. Chair of Prince Mohammad bin Nayef for Traffic Safety, King Saud University.
    5. Tatweer Educational Transportation Services Company, Riyadh.
    6. General Security Department.
    7. Mohammed Redha Fouad Kattan for Engineering Consultancy (KEC), Riyadh.
    8. King Abdulaziz and His Companions Foundation for Giftedness and Creativity.

- **Teaching Experience**

    - **Workshops and Training Courses**
        1. Teaching Training Course "Principles of Statistics and Data Analysis by using SPSS ",  Deanship of Skills Development - King Saud University, 23– 25 / 4/ 2012G.

2. Teaching Training Course "Statistical analysis by using SPSS for graduate students",  Deanship of Skills Development - King Saud University, 15-17/4/2012G.
3. Teaching Training Course "Statistical analysis by using SPSS for graduate students",  Deanship of Skills Development - King Saud University, 3-5/11/2011G.
4. Teaching Training Course "Parametric and nonparmetric statistical tests by using SPSS ",  Deanship of Skills Development - King Saud University, 3–5/ 12/ 2010G.
5. Teaching Training Course "Principles of Statistics and Data Analysis by using SPSS ",  Deanship of Skills Development - King Saud University, 1 – 2 / 11/ 2010G.
6. Teaching Training Course "Statistical Analysis Using SPSS" Al-Jouf University- Sakaka, 4-6/5/2010G.
7. Workshop on printing scientific papers using Latex, King Saud University, Riyadh, Saudi Arabia, 16-17/6/2009.
8. Workshop on Printing scientific papers using Latex , Princess Nora Bint Abdurrahman University, Riyadh, Saudi Arabia, 25-27/8/2007.
9. Workshop on Foundations of medical statistics, University Diabetes Center, King Abdulaziz University Hospital, King Saud University, Riyadh, Saudi Arabia, 5-9 May, 2007.

- **Courses**

Teaching undergraduate and graduate courses and supervision of graduate projects at the following universities:
10. Al-Azhar University, Nasr City, Cairo, Egypt
11. Al-Azhar University at Assiut, Assiut, Egypt
12. Cairo University at Beni-Swif Branch, Beni-Swif, Egypt
13. South Vally University at Sohag, Sohag, Egypt
14. El-Minia University, El-Minia, Egypt
15. Princess Nora, Saudi Arabia
16. King Saud University, Riyadh, Saudi Arabia

- **Graduate Supervision**

*1-Ph.D. Thesis Supervision* (3)

| Year (granted) | Name | Thesis Title | Current Position |
|---|---|---|---|
| 2002 | S. M. Amer | Order Statistics of Some Lifetime Models and Associated Inference | Asistant Professor Ain Shams University  Egypt |
| 2012 | A.S. Al-Moisheer | Advances on mixture models and applications | Asistant Professor Al-Jouf  University Saudi Arabia |
| 2013 | N. H. Alsadat | Contribution to statistical inference based on progressive censoring samples | Asistant Professor King Saud University Saudi Arabia |

*2- M.Sc. Thesis Supervision - 12 (listed below)*

| Year (granted) | Name | Thesis Title | Current Position |
|---|---|---|---|
| 2001 | H. H. Mahmoud | Moments of Record Values and Associated Inferences | Lecturer at Al Qassim University, Al Qassim, Saudi Arabia |
| 2003 | G. A. Abd Al-Mougoud | On Record Values and its Applications | Lecturer – Ministry of Education, Egypt |
| 2004 | H. M. Shaleh | On Progressive Censoring and Applications | Lecturer at Beni Suef University, Egypt |
| 2005 | A.S. Al-Moisheer | Statistical Inferences Based On Finite Mixture Distributions | Lecturer at Al-Jouf University, Al-Jouf, Saudi Arabia |
| 2005 | N. H. Alsadat | Goodness –Of-Fit Tests For Some Life Models Based On Different Statistics | Lecturer at King Saud University, Riyadh, Saudi Arabia |
| 2006 | S. Alwan | Covariate Dependent Markov Models of First or Higher Orders | Lecturer at Ibb University, Yemen. |
| 2008 | N. Al Motiry | Statistical models based on order statistics and record values | Teaching Assistant at King Saud University, Riyadh, Saudi Arabia |
| 2009 | S. Al Shami | Prediction of record values and order statistics from some statistical distributions | Teaching Assistant at Ibb University, Yemen. |
| 2010 | T. Al-Malki | The generalized order statistics and the associated inference of some distributions | Teaching Assistant at King Saud University, Riyadh, Saudi Arabia |
| 2013 | S.H. Alrajban | Comparisons between some regression analysis methods in the presence of outliers | Demonstrator, Faculty of education, Wady Al Dawaser |
| 2014 | N. Al-Shammari | Some linear combinations from moments of order statistics and their applications | Demonstrator, King Saud University |
| 2014 | M. Al-Shehry | On Finite Mixture of Inverse Weibull and Inverse Burr Distributions | Researcher, King Saud University |
| 2015 | w AL-Thubyani | Order statistics from Lindly distribution and applications | Demonstrator, Al Baha University |

- **Conferences, Visits, Workshops and Forums**
    1. The Joint Statistical Meeting, Chicago, Agu.4-7, 1996, U.S.A.
    2. Visiting professor, the International Center For Theoretical Physics (ICTP), Jan., 23 -Feb. 8, 1999, Trieste, Italy.
    3. Visiting professor, McMaster University, July, 1 - Sept., 1, 1999, Hamilton, Canada.
    4. Conference on Mathematics and 21*st* Century, 15-20 Jan., 2000, Cairo, Egypt.
    5. Fourth International Scientific Conference, Faculty of Science, Al-Azhar University, March 27-29, 2001, Cairo, Egypt.
    6. 10*th* International Symposium on Applied Stochastic Models and Data Analysis (ASMDA2001), June 12-15, 2001, Compiegne, France.
    7. The Sixth Meeting of Saudi Association for Mathematical Sciences, April 9-10, 2002, King Saud University, Riyadh, Saudi Arabia.
    8. The Seventh Meeting for Saudi Association for Mathematical Sciences, April 7-8, 2004, Prince Sultan University, Riyadh, Saudi Arabia.
    9. Order Statistical Data: Approximation , Bounds and Characterizations, International Conference, Izmir University of Economics, 15-18 June 2005, Izmir, Turkey.
    10. The Third Saudi Science Conference " New Horizons in Science and Their Applications", 10-13 March,2007, Riyadh, Saudi Arabia.
    11. Ordered Statistical Data and Inequalities, International Conference, University of Jordan 12-14 June 2007, (Amman), Jordan.
    12. Workshop on Development of knowledge,  King Saud University, Riyadh, Saudi Arabia, 13-16 January, 2008.
    13. Workshop on the Strategic Planning Project, King Saud University, Riyadh, Saudi Arabia,  March 16, 2008.
    14. Self development. Deanship of Skills Development, King Saud University, Riyadh, 19 May, 2008.
    15. Classroom Assessment Techniques. Deanship of Skills Development, King Saud University, Riyadh, , 4 - 7 May, 2008.
    16. Motivating Students to Learn, Deanship of Skills Development, King Saud University, Riyadh, , 20 May, 2008.
    17. Planning for effective teaching. Deanship of Skills Development, King Saud University, Riyadh, , 26-28 May, 2008.
    18. The First Meeting of Saudi Association for Statistical Sciences, April 14-15, 2009,  King Khaled University, Abha, Saudi Arabia.
    19. e-Document Forum 2009, Saudi Library and Information Association, Intercontinental Hotel, Riyadh, Saudi Arabia, 5-6/ 10/ 2009G, (16-17/10/1430H).
    20. The Tenth Islamic Countries Conference on Statistical Sciences, AUC, December 20-23, 2009,  Cairo, Egypt.
    21. Fourth Saudi Science Conference, 21-24 March 2010, AL-Madinah, Saudi Arabia.
    22. The 5-th International Conference on Soft Methods in probability and statistics, September 28 - October 1, 2010, Oviedo and Mieres (Asturias), Spain.
    23. The International Conference on Advances in Probability and Statistics – Theory and Applications: A Celebration on N. Balakrishnan's 30 years of Contributions

to Statistics. the Chinese University of Hong Kong, Hong Kong SAR, China during the dates December 28- 31, 2011.

24. The international conference on Order Data Analysis and Health Research Methods, in honor of H.N. Nagaraja, University of Texas at Dallas, Richardson, Texas, USA, March 7—9, 2014.

- **University & Comrmunity Services**
    1. Statistics consultations with different agencies and companies (governmental and private) .
    2. Referee for the Master's and Ph.D's Theses in some Egyptian and Saudi universities.
    3. Referee of some statistical studies for the custodian of the two Holy Mosques Institute of Hajj research, Umm Al-Qura University, Makkah. Saudia Arabia.
    4. Member scientific committee of the fourth meeting of the Egyptian Mathematical Society (in statistics) held in Al-Azhar University, Cairo, Egypt, 15/10/1998. Organizing committee
    5. Member of the scientific committee of The Seventh Meeting for Saudi Association for Mathematical Sciences, April 7-8, 2004, Prince Sultan University, Riyadh, Saudi Arabia. Organizing committee.
    6. Member of the scientific committee of The Third Saudi Science Conference " New Horizons in Science and Their Applications", 10-13 March, 2007, Riyadh, Saudi Arabia. Organizing committee.

- **Referee for Scientific Journals**
    1. Journal of Probability and Statistical Science.
    2. Quality Technology and Quantitative Management.
    3. Journal of King Saud University.
    4. Bulletin of the Malaysian Mathematical Sciences Society.
    5. Journal of Statistical Researches.
    6. Journal of Applied Mathematics and Computing.
    7. Test
    8. Journal of statistitical computations and simulations
    9. Communication in Statistics
    10. Journal of Computational Statistics and Data Analysis.

- **LIST OF PUBLICATIONS**

## (i) Authored books:

1. Hendi, M. I. and Sultan K. S. (2004). *Principles of Statistical Analysis*, Al- Roshd publisher, Riyadh, Saudi Arabia.

2. Al Nashawati, H.M., Sultan, K.S. and Alzaid, A. (2011). *Statistical Analysis by Using SAS Package*, King Saud university publications, Riyadh, Saudi Arabia

## (ii) Contributions to Books and Volumes

3. Balakrishnan, N. and Sultan, K.S. (1998). Recurrence relations and identities for moments of order statistics, In *Handbook of Statistics - 16: Theory and Methods* (Eds. N. Balakrishnan and C.R. Rao), North-Holland, Amsterdam, pp. 149-228.

4. Childs, A., Sultan, K.S. and Balakrishnan, N. (2000). Higher order moments of order statistics from Patero distribution and Edgeworth approximate inference, In *Stochastic Simulation Methods* , (Eds. N. Balakrishnan, S. Ermakov and V. Melas), Birkhauser, Boston, pp. 207 - 244.

5. Sultan, K.S. , Childs, A. and Balakrishnan, N. (2000). Higher order moments of order statistics from power function distribution and Edgeworth approximate inference, *In Stochastic Simulation Methods*, (Eds. N. Balakrishnan, S. Ermakov and V. Melas), Birkhauser, Boston, pp. 245 - 282.

6. Al-Hussaini, E.K. and Sultan, K.S. (2001).Reliability and hazard based on finite mixture models, In *Handbook of Statistics - 20: Advances in Reliability* (Eds. N. Balakrishnan and C.R. Rao), North-Holland, Amsterdam, pp. 139 - 183.


# (iii) Journal Articles


7. Sadek, A., Sultan, K.S. and Balakrishnan, N. (2015). Bayesian Estimation for Ranked Set Sampling Using Asymmetric Loss Function, ***Bulletin of the Malaysian Mathematical Sciences Society***, (to appear).

8. Al-Moisheer, A.S. and Sultan, K.S. (2015). Estimation of a discriminant function from a mixture of two Burr Type III distributions, ***Communications in Statistics - Simulation and computation,*** (to appear).

9. Sultan, K.S., Alsadat, N.H. and Kundu, D. (2014). Bayesian and maximum likelihood estimations of the inverse Weibull parameters under progressive type-II censoring, ***Journal of Statistical Computation and Simulation,*** vol. 84, 10, 2248-2265.

10. Sultan, K. S. and Moshref, M.E. (2014). Moments of order statistics from Weibull distribution in the presence of multiple outliers, ***Communications in Statistics - Theory and Methods,*** 43, 2214 - 2226.

11. Shafay, A.R. , Balakrishnan N. and Sultan, K.S (2014). Two-sample Bayesian prediction for sequential order statistics from exponential distribution based on multiply Type-II censored samples, ***Journal of Statistical Computation and Simulation,*** 84, 3, 526-544.

12. Sultan, K.S. and Al-Moisheer A.S. (2014). Approximate Bayes estimation of the parameters and reliability function of a mixture of two inverse Weibull distributions under Type-2 censoring, ***Journal of Statistical Computation and Simulation***, Vol. 83, 10, 1900-1914.

13. M. Ataharul Islama, Abdulhamid A. Alzaid, Rafiqul I. Chowdhury and Khalaf S. Sultan. (2013). A generalized bivariate Bernoulli model with covariate dependence, ***Journal of Applied Statistics,*** Vol. 40, 5, 1044-1063.

14. Sultan, K.S. and Al-Moisheer, A.S. (2013). Estimation of a discriminant function from a mixture of two inverse Weibull distributions, ***Journal of Statistical Computation and Simulation***, 83(3), 405-416.

15. Sultan, K.S. and Al-Moisheer, A.S. (2013). Updating a nonlinear discriminant function estimated from a mixture of two inverse Weibull distributions, ***Statistical papers***, 54(1), 163-175.

16.  Sultan, K. S. and Alshami, S.A. (2010). Prediction of future order statistics from the uniform distribution, *Advances in Intelligent and Soft Computing*, 77, 593 – 602.

17.  Islam, M.A., Sultan, K.S. and Chowdhury, R.I. (2009). Estimation and Tests for Longitudinal Regression Model Based on Markov Chain, Statistical Methodology, 6, 478-489.

18.  Alzaid, A. and Sultan, K.S   (2009). Discriminating Between Gamma and Lognormal with applications, *Journal of King Saud University, Science,* 21, 2, 99-108.

19.  Moshref, M.E. and Sultan, K.S. (2009). Moments of order statistics from Rayleigh distribution in the presence of outlier observation, *Journal of King Saud University, Science* (to appear).

20.  Sultan, K.S., Ismail, M.A. and Al-Moisheer, A.S. (2009). Testing the number of components of the mixture of two Inverse Weibull distributions, *International Journal of Computer Mathematics*, Vol. 86, 4, 693– 702.

21.  (2008)

22.  Sultan, K.S. (2008). Bayesian estimates based on record values from the inverse Weibull lifetime model,  *Quality Technology and Quantitative Management*, Vol. 5, 4, 363-374.

23.  Sultan, K.S., Ismail, M.A. and Al-Moisheer, A.S. (2007). On mixture of two inverse Weibull distributions: Properties and estimation, *Computational Statistics and Data Analysis*,  51,  5377 - 5287.

24.  Sultan, K.S.  (2007). Order statistics from the generalized exponential distribution and application*, Communications in Statistics - Theory and Methods*,  36, 1409 - 1418.

25.  Sultan, K.S.  (2007). Higher order moments of record values from the Inverse Weibull lifetime model and Edgeworth approximate inference, *International Journal of Reliability and Applications*, 8, 1-16.

26.  Sultan, K.S. (2007). Goodness-of-fit test for Rayleigh distribution and applications, *International Journal of Reliability and Applications*,  8, 41-51.

27.  Sultan, K.S., Al-Dayian and Mahammad, H.H. (2007). Estimation and prediction from gamma distribution based on record values, *Computational Statistics and Data Analysis,*  52, 3,  1430 - 1440. USA.


28.  Abd-Elrahman, A. M. and Sultan, K.S.  (2007). Reliability estimation based on general progressive censoring data from the Weibull model: comparison between Bayesian and classical approaches, *Metron,* Vol. LXV, 2, 239 – 257.

29.  Sultan, K.S. and Al-Mougod, G.A. (2006). Characterization of general classes of doubly truncated distributions based on record values,  *Journal of Probability and Statistical Science,* 4 , 1, 65-72.

30.  Mahmoud, R.M.,  Sultan, K.S. and Saleh, H.M. (2006).  Progressively censored data from the linear exponential distribution: Moments and estimation,  *Metron,*  LXIV,  2, 199-215.

31.  Soliman, A.A., Abd Ellah, A.H. and   Sultan, K.S. (2006). Comparison of estimates using record statistics from Weibull model: Bayesian and non Bayesian approaches, *Computational Statistics and Data Analysis*, 51,  2065-2077.

32. El-Bassiouny, A.H., Sultan, K.S. and Moshref, M.E. (2006). Moments of the correlated bivariate normal and t distributions, *Journal of Probability and Statistical Science*, 4, 2, 137-146.

33. Sultan, K.S. and Abd Ellah, A.H. (2006). Exact prediction intervals for exponential lifetime based on random sample size, *International Journal of Computer Mathematics*, 38, 12, 867 - 878.

34. Sultan, K.S. and Al-Mougod, G.A. (2006). Characterization of general class of distributions based on generalized order statistics, *Journal of Statistical Theory and Applications,* 6, 190 - 205.

35. Sultan, K.S., Mahmoud, R.M. and Saleh, H.M. (2006). Moments and estimation from progressively censored data of half logistic distribution, *International Journal of Reliability and Applications*, 6, 187 – 201.

36. (2005)

37. Mahmoud, M.A.W., Sultan, K.S. and Moshref, M.E. (2005). Inference based on order statistics from the generalized Pareto distribution and application, *Communications in Statistics - Simulation and computation*, 34, 267- 282.

38. Hendi, M.I., Sultan, K.S. and Al-Ghufily. N. (2005). Testing exponential better than used class of life distribution based on kernel methods, *Journal of Statistical Theory and Applications,* 4, 1, 67 - 80.

39. Mahmoud, M.A.W., Moshref, M.E. and Sultan, K.S. (2005). Order statistics from non-identical generalized Pareto random variables with applications, *Journal of Applied Statistical Science,* 14, 1, 85-98.

40. Hendi, M.I., Abu-Youssef, S.E. and Sultan, K.S. (2005). Testing NRBU and NRBUE classes of life distributions using U-Test, *Journal of Probability and Statistical Science*, 3, 2, 191-202.

41. Sultan, K.S., Mahmoud, R.M. and Saleh, H.M. (2005). Recurrence relations for moments of progressively Type-II right censored order statistics from Weibull distribution, *The Egyptian Statistical Journal*, 49, 2, 117-131.

42. Abd Ellah, A.H. and Sultan, K.S. (2005). Exact Bayesian prediction of exponential lifetime based on fixed and random sample sizes*, Quality Technology and Quantitative Management*, 2, 161-175.

43. Abd El-Hakim, N.S. and Sultan, K.S. (2004). Maximum likelihood estimation from record-breaking data for the generalized Pareto distribution, *Metron,* LXII, 3, 377-389.

44. Mahmoud, M. A.W., Sultan, K.S. and Amer, S.M. (2003). Order statistics from inverse Weibull distribution and associated inference, *Computational Statistics and Data Analysis*, 42, 149-163.

45. Mahmoud, M.A.W., Sultan, K.S. and Amer, S .M. (2003). Order statistics from Inverse Weibull distribution and characterizations, Metron, Vol. LXI, n.3, pp. 389-401.

46. Sultan, K.S., Al-Dayian, G.R. and Mohammed, H.H. (2003). Moments and recurrence relations of record values from truncated Weibull distribution, *The Egyptian Statistical Journal*, 47, 2, 116-127.

47. Sultan, K.S., Moshref, M. E. and Childs, A. (2002). Record values from generalized power distribution and associated inference, Journal of Applied Statistical Science, 11, 143-156.

48. Sultan, K.S., Moshref, M. E. and Abd El-Hakim, N.S. (2002). Estimation of parameters Lomax distribution based on record values, *The Egyptian Statistical Journal,* 45, 135-142.

49. Sultan, K.S., Childs, A. and Balakrishnan,N. (2002). A logarithmically-decreasing survival distribution: Inference for one-parameter and two-parameter cases, In *Proceedings of The sixth Meeting of Saudi Association for Mathematical Sciences*, April 9-10, King Saud University, pp. 40 - 62.

50. Abd El-Hakim, N.S. and Sultan, K.S. (2001). Maximum likelihood estimates of Weibull parameters based on record values, *Journal of the Egyptian Mathematical Society*, 9, 79 - 89.

51. Sultan, K.S. (2001). Correlation goodness-of-fit test for the logarithmically-decreasing survival distribution, *Biometrical Journal*, 43, 1027-1035.

52. Sultan, K.S., Balakrishnan, N. and Childs, A. (2001). A logarithmically-decreasing survival distribution - I: Order statistics and moments, Al-Azhar Bulletien of Science, *Proceeding of the Fourth International Scientific Conference , Faulty of science, Al-Azhar University,* March 27-29, Cairo, Egypt, pp. 157 - 179.

53. Sultan, K. S. and Balakrishnan, N. (2001). Higher order moments of record values from Gumbel distribution and Edgeworth approximate inference, In he *Proceeding of the 10-th International Symposium on Applied stochastic Models and Data Analysis* (ASMDA2001), June 12-15, Compiegne, France, pp. 960-965.

54. Sultan, K.S., Al-Dayian and Mahammad, H.H. (2001). Record values from gamma distribution and Application to inference, In *The Proceeding of Al-Azhar First Conference in Computer Science and its Applications in Mathematics and Statistics, Faculty of Science (Girls), Al-Azhar University*, Nov. 3, Cairo, Egypt, pp. 571 - 592.

55. Sultan, K.S. and Moshref, M. E. (2000). Higher order moments of record values from generalized Pareto distribution and associated inference, *Metrika*, 51, 105-116.

56. Mohie El-Din, M.M., Abu-Youssef, S.E. and Sultan, K.S. (2000). General recurrence relations based on upper record values, The Egyptian Statistical Journal, 44, 68 - 80.

57. Sultan, K.S. (2000). Moments of record values from uniform distribution and associated inference, *The Egyptian Statistical Journal*, 44, 137 - 149.

58. Sultan, K.S. and Balakrishnan, N. (1999). Higher order moments of record values from Rayleigh and Weibull distributions and Edgeworth approximate inference, *Journal of Applied Statistical Science*, 9, 193 - 209.

59. Mohie El-Din, M. M., Mahmoud, M.A.W., Abu-Youssef, S.E. and Sultan, K.S. (1997). Order statistics from the doubly truncated linear-exponential distribution and its characterizations, *Communications in Statistics – Simulation and Computation*, 26, 281 - 290.

60. Al-Hussaini, E. K.; Mousa, M.A.M.A. and Sultan, K.S. (1997). Parametric and nonparametric estimation of P(Y<X) for finite mixtures of lognormal components, *Communications in Statistics - Theory and Methods*, 26, 1269 - 1289.

61. Mohie El-Din, M.M., Abu-Youssef, S. E. and Sultan, K.S. (1996). An identity for the product moments of order statistics, *Metrika*, 44, 95 - 100.

62. Mohie El-Din, M. M., Mahmoud, M. A.W. and Sultan, K.S. (1996). On order statistics of doubly truncated power function distribution, *Metron*, 54, 83 - 93.

63.  Mohie El-Din, M. M. and Sultan, K.S. (1995). Recurrence relations for expectations of functions of order statistics for doubly truncate distributions and their applications, *Communications in Statistics - Theory and Methods*, 24, 997 - 1010.

64.  Mohie El-Din, M.M., Mahmoud, M.A.W. and Sultan, K.S. (1995). On moment generating function of order statistics for doubly truncated exponential distribution, *Metron*, 53, 171 - 183.

## Papers submitted for publication

65.  Sultan, K.S , Mahmoud, R.M.  and Saleh, H.M. Estimation of parameters of the Lomax distribution Based on Progressively censored data,  (Submitted for publication).

66.  Sultan, K.S.,  Aly, H.M. and Alsadat, N.H. Goodness-of-fit tests based on spacings of order statistics and record values, (Submitted for publication).

67.  Sultan, K.S. Record values from the inverse Weibull lifetime model: Different methods of estimation, (submitted for publication).

68.  Sultan, K.S. and Al Malki, T. On The generalized order statistics and associated inference, (submitted for publication).