CURRICULUM VITAE

PERSONAL DATA

Name	Lamiaa Sabry Gad Diab
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EDUCATION

Year	Academic Degree	Institution
1993	Bachelor of Science	Faculty of Science, Al Azhar University, Egypt
1999	Master	Faculty of Science, Al Azhar University, Egypt
2004	PhD	Faculty of Science, Al Azhar University, Egypt

WORK EXPERIENCE

Period	Position	Address
2007-2011	Assistant Professor	Faculty of Science, King Saud University, Saudi Arabia
2011-2012	Associated Professor	Faculty of Science, King Saud University, Saudi Arabia
2017-2022	Head of Mathematics Department	Faculty of Science, Al Azhar University, Egypt
Since 2023	Professor	College of Science, Imam Mohammad Ibn Saud Islamic University, Saudi Arabia

RESEARCH INTERESTS

Mathematical statistics.

PUBLICATIONS

(1) S.M. EL-Arishy and **L.S. Diab. (1998).** Tests for the new renewal better than used classes of life distributions. The Egption Statistical Journal ISSR, Cairo Univ., 42, 1-20.

(2) M. A. W. Mahmoud, S.M. EL-Arishy and **L.S. Diab. (2002)**. A non-parametric test of new renewal better than used class of life distributions. Proceeding of International Conference on Mathematics trends and developments. Cairo (EGYPT), 4, 191-203.

(3) M. A. W. Mahmoud, S.M. EL-Arishy and **L.S. Diab. (2003)**. Moment inequalities for testing new renewal better than used and renewal new better than used classes of life distributions. International Journal of Reliability and Applications, 4, No. 3, 97-123.

(4) M. A. W. Mahmoud, S.M. EL-Arishy and **L.S. Diab. (2005).** Testing renewal new better than used life distributions based on U-test. Appl. Math. Model. 29, 784-796.

(5) S. M. El-Arishy, **L. S. Diab** and N. A. Abdul Alim **(2006).**Testing NRBU Class of Life Distributions Using a Goodness of Fit Approach International Journal of Reliability and Applications , 7, No. 2, 27-39.

(6) M.A.W. Mahmoud, and **L.S. Diab.(2007).** On testing exponentiality against HNRBUE based on a goodness of fit. International Journal of Reliability and Applications.8, No.1,27-39.

(7) M. A. W. Mahnoud and **L. S. Diab. (2008)**. A goodness of fit approach to decreasing variance resudual life class of life distributions. JSTA, 7, No. 1, 119-136.

(8) **L. S. Diab**, M. A.W. Mahmoud and M. Kayid.(**2009**) .A moment inequality for NBUL with hypothesis testing application. Contemp. Engin. Scien. , 2,no. 7, 319-332.

(9) **L. S. Diab, (2009).** Non-parametric test of NBUE_mgf class of life distributions. JSTA, 8, No. 3, 253-267.

(10) M. A. W. Mahmoud, N. A. Abdul Alim and **L.S.Diab (2009)**. On the new better than used renewal failure rate at specified time. Economic Quality Control, 24, No. 1, 78-99.

(11) **L. S. Diab, (2010).** Testing for NBUL Using Goodness of Fit Approach with Applications. Statistical Papers, Vol.51, pp. 27-40,

(12) **L. S. Diab** and M. Kayid.(**2010**). Testing NBU(2) Class of Life Distribution Based on Goodness of Fit Approach. Journal of King Saud University(Science)Vol. 22, pp. 241–245.

(13) M. Kayid, **L. S. Diab**, A. Alzughaibi, I. A. Ahmad, **(2011).** Starshaped Ordering of Life Distributions and Its Aging Properties. IEEE Transactions on Reliability 60(1): 257-262 .

(14) **L. S. Diab**. **(2013).** A new approach to moments inequalities for NRBU and RNBU classes with hypothesis testing applications. International Journal of Basic & Applied Sciences IJBAS-IJENS .Vol. 13, No.06. , pp.7-13.

(15) I. Elbatal, **L. S. Diab** and N. A. Abdul Alim **(2013)**.Transmuted Generalized Linear Exponential Distribution *International Journal of Computer Applications Vol*. 83, No. 17, pp. 29-37.

(16) **L. S. Diab** and Hiba Z. Muhammed **(2014).** Quasi Lindley Geometric Distribution .*International Journal of Computer Applications Volume 95, No. 13*, pp. 9-16.

(17) **L. S. Diab** and Hiba Z. Muhammed **(2015).** Statistical Properties of Kumaraswamy Exponentiated Gamma Distribution. International Journal of Reliability and Applications. *Vol. 16, No.* 2, pp. 81-98.

(18) I. Elbatal, **L. S. Diab** and M. Elgarhy. **(2016).** Exponintiated Quasi Lindley Distribution**.** International Journal of Reliability and Applications. *Vol. 17, No. 1*, pp. 1-19.

(19) **L. S. Diab** and I. Elbatal. **(2016). A** New generalization of Exponintiated Frechet Distribution**.** International Journal of Reliability and Applications. *Vol. 17, No. 1*, pp. 63-82.

(20) **L. S. Diab (2016).** Testing exponentiality againt RNBUE_mgf Class of Life Distributions. Journal of statistics: Advances theory and Applications.*Vol.16, No. 2*, pp. 163-183.

(21) S. M. EL-Arishy**, L. S. Diab** and E.S. Elatfy**. (2016).** Testing exponentiality against □□□□□□based on Goodness of Fit Approach. Journal of Statistics: Advances in Theory and Applications. *Vol.* 16*, No.2*, pp. 255–273.

(22) **L. S. Diab** and E.S. Elatfy**.** *June* **(2017).** A moment Inequality for Overall Decreasing Life class of life distributions with Hypotheses Testing Applications. International Journal of Mathematics and Statistics Invention (IJMSI). Vol. 5 Issue 1. PP-62-71

(23) **L.S. Diab** and E. S. Elatfy. *February* **(2017).** Moments Inequalities for □□□□□□Distributions with Hypotheses Testing Applications. International Journal of Computer Applications. Vol. 159 – No. 2 .pp. 34-40.

(24) I. Elbatal**, L. S. Diab**, M. Elgarhy and H.K.Hwas **(2017).** Transmuted Generalized Quasi Lindley Distribution. International Journal of Scientific Engineering and science . Vol.1. Issue I pp. 1-8.

(25) **L. S. Diab** and E.S. Elatfy**. (2017).** Testing □□□□□□Class of Life Distributions based on U-test. Journal of Statistics Applications and probability. Vol. 6 – No. 3 .pp. 1-10.

(26) I. B. Abdul-Moniem and **L. S. Diab (2018).** The Length-Biased weighted Exponentiated Lomax Distribution. International journal for research in mathematics and statistics. Vol 4 No.1.pp. 1-14.

(28) M.A.W.Mahmoud **, L. S. Diab** and D. M. Radi**. (2018).**Testing exponentiality against exponential better than equilibrium life in convex based on laplace transformation. International journal of computer applications Vol. 182, No.33, Pp. 7-10.

(29) I. B. Abdul-Moniem and **L. S. Diab (2018).** Generalized transmuted Power Function distribution. Journal of statistics applications & probability.Vol.7, No.3, 401-411.

(30) M.A.W.Mahmoud **, L. S. Diab** and D. M.Radi**. (2019).** A nonparametric test for testin**g** NBUCL Class of Life Distributions with applications. IOSR Journal of Mathematics. Vol. 15, No. I Ser.I. Pp. 15-21.

(31) S. M. EL-Arishy**, L. S. Diab** and E.S. Elatfy**. (2019).** Testing exponentiality against RNBRUE based on Laplace Transform order. International Journal of Reliability and Applications. *Vol. 20, No. 1*, pp. 29-43.

(32) M.A.W.Mahmoud , **L. S. Diab** and D. M.Radi**.. (2019).** Testing exponentiality against RNBUL Class of Life Distributions Based on Goodness of Fit. *Journal Stat. Appl. Pro. Vol. 8, No. 1, 57-66.*

(33) S. M. EL-Arishy, **L. S. Diab** and E.S. Elatfy**. (2019)**. Characterizations and testing hypotheses for RNBU~mgf~ class of life distributions. Journal of Statistics: Advances in Theory and Applications. *Vol. 21, No.*1, pp. 71–89.
Available at http://scientifiacadvances.co.in
Doi: http://dx.doi.org/10.18642/jsata_7100122044
(34) S. M. EL-Arishy, **L. S. Diab** and E.S. Elatfy**. (2019)**.Testing exponentiality against RNBU~mgf~
based on Laplace Transform Technique. Journal of Statistics Applications &Probability. *Vol. 8, No.*3, pp. 229–239.

(35) M.A.W.Mahmoud , **L. S. Diab** and D. M.Radi**. (2019).** Testing exponentiality against renewal new better than used based on Laplace Transform order applications in reliabilaty. Journal of the Egyptian mathematical society.
.doi.org/10.1186/s42787-019-0044-7. pp. 27-49

(36) M.A.W.Mahmoud , **L. S. Diab,** M.G.M. Ghazal and A.H. Baria**. (2019)**. Bayesian prediction for the exponentiated Gamma distribution based on unified hybrid censored scheme. Journal of Statistics: Advances in Theory and Applications. *Vol. 22, No.*1, pp. 21–43.

(37) M.A.W.Mahmoud , **L. S. Diab,** M.G.M. Ghazal and Baria A.H.**. (2019)**. On study of exponentiated Gamma distribution based on unified hybrid censored data. *Al-Azhar Bulletin of Science. Vol.* 30, No. 2. pp.13-27.

(38) S. M. EL-Arishy, **L. S. Diab** and E.S. Elatfy**. (2020).** Moment inequality for DLTTF class of life distribution with Hypotheses testing applications. Journal of Statistic Theory and Applications. JSTA, 19, No. …, ….-…...

(39) S. M. EL-Arishy, **L. S. Diab** and E.S. Elatfy**. (2020).** Characterizations on Decreasing Laplace Transform of Time To Failure class and Hypotheses testing. Journal of Computer Science and computational Mathematics. Vol. 10, Issue 3. pp. -.
  DOI: http://dx.doi.org/10.20967/jcscm.2020.03.002

 (40) Eman K.Elsayed**, L. S. Diab** and Asmaa A. Ibrahim**. (2021).**Formal Verification of an Efficient Architecture to Enhance the Security in IoT. International Journal of Advanced Computer Science and Applications, Vol. 12, No. 3, pp. 134- 139.

(41) Sara O. Abd El-Azeem, Mahmoud H. Abo-MoussaMoustafa M.Mohie El-DIN , **Lamiaa. S. Diab, . (2022)**. On Step-Stress Partially Accelerated Life testing wieh Competimg Risks Under Progressive Type- II Censoring.*Annals of Data Science.*
  https://doi.org/10.1007/s40745-022-00454-0

(42) Doaa Aboshady, Naglaa Ghannam, Eman Elsayed **and Lamiaa Diab L. S. Diab . (2022).** The Malware Detection Approachin the Design of Mobile Applications.Symmetry , Vol. 14,839, pp.1-16.
https://doi.org/10.3390sym14050839

(43) H. Mosaa, M.Kamal, H.EL-Gohary, **L. S. Diab** and H.M.Shawky **. (2022).** Comparison between negative velocity feedback and time delay velocity control of a nonlinear beam. Neuroquantology. Vol.

20, Issue 8, pp.7796-7809. *doi10.1470/nq.2022.20.8.NQ44804*.

(44) M.A.W.Mahmoud **, L. S. Diab** and D. M.Radi**. (2022).** Moment inequalities for RNBUL Distributions with hypotheses testing applications. Submit in a journal**.**

(45) **L. S. Diab (2022).** Non-Parametric Test of NRBU_mgf Class of Life Distributions. JSTA, 17, No.