Dr. Ahmed Z. Afify,
Curriculum vitae

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Google Scholar
https://scholar.google.com.eg/citations?user=BYvBkL0AAAAJ&hl=en
H index **28** (Based on **Google Scholar**)

Scopus
https://www.scopus.com/authid/detail.uri?authorId=56469107500
H index **20** (Based on **Scopus**)

Publons
https://publons.com/researcher/1242561/ahmed-z-afify/
H index **17** (Based on **Web of Science**)

Research Gate
https://www.researchgate.net/profile/Ahmed_Afify10
H index **27** (Based on **Research Gate**)

Education

2018	**Ph.D.** in Statistics, Department of Statistics, Mathematics and Insurance, Benha University, Egypt.
	Dissertation Title: *Some New Generated Families of Distributions with Applications.*
2013	**M.Sc.** in Statistics, Department of Statistics, Mathematics and Insurance, Benha University, Egypt.
	Thesis Title: *On Characterization of Probability Distributions.*
2007	**B.Sc.** in Statistics, Department of Statistics, Mathematics and Insurance, Benha University, Egypt.

Work Experience

2008-2013	**Demonstrator**
	Faculty of Commerce- Benha University, Benha (Egypt).
2013-2018	**Assistant Lecturer**
	Faculty of Commerce- Benha University, Benha (Egypt).
2018 till now	**Assistant Professor**
	Faculty of Commerce-Benha University, Benha (Egypt).

Research Interest

- Distribution Theory.
- Parametric Inference.
- Reliability Estimation.
- Bayesian Statistics.
- Statistical Analysis.
- Accelerated Life Testing.

• Regression Analysis.

Teaching Experience

• Mathematics and Its Applications.

• Advanced Mathematics.

• Theory of Statistics.

• Theory of Probabilities.

• Sampling.

• Order Statistics.

• Descriptive Statistics.

• Inferential Statistics.

• Applied Statistics.

• Financial Mathematics.

Computer Skills

Languages: R, Latex.
Software Packages: Mathcad, SPSS and Microsoft Office.

Languages

• Arabic.
• English.

Rewards

• Excellence in scientific research at Benha University: From 2018 to present.
• University award for the best PhD thesis in the field of basic sciences for 2020.

Editorial Board Activity

• Pakistan Journal of Statistics (http://www.pakjs.com/editorial-board/)
• Journal of Applied Probability and Statistics (http://japs.isoss.net/EditorialBoard.htm)

• Malaysian Journal of Mathematical Sciences (https://einspem.upm.edu.my/journal/editorialboard.php)

Supervision

Supervision in Egypt

• PhD Students:
   1- Mostafa Abd-Elhamid Mohamed Rabie (Registered at Cairo University)
• Date: 26/9/2018-11/2021.
• Title: The Extended Marshall-Olkin Inverse-Pareto Distribution, with Applications
• Supervisors: Prof. Abd-ELHadi Nabeeh Ahmed and **Dr. Ahmed Z. Afify**
   2- Amany Mohamed Shehata El-Sheikh (Registered at Cairo University)
• Date: 23/6/2021- until now.
• Title: Some New Generated Families of Distributions with Applications in Actuarial Sciences
• Supervisors: Prof. Elsayed Ahmed Elsherpieny and **Dr. Ahmed Z. Afify**
• MSc Students:
   1- Mohamed Bahaa El-Din Moamen (Registered at Cairo University)
• Date: 21/11/2018- 4/3/2020.
• Title: Two-Parameter Natural Discrete Lindley Distribution, with Applications to Reliability Theory
• Supervisors: Prof. Abd-ELHadi Nabeeh Ahmed and **Dr. Ahmed Z. Afify**

<div align="center">Supervision of International Students</div>

- **PhD Students:**
    1. Yaser Arafat Abdel Hadi (Registered at Islamic University of Minnesota, USA)
- Date: 11/2019- until now.
- Title: Some New Some New Generated Families of Distributions with Applications
- Supervisors: Prof. Hazem Al-Mofleh (Tafila Technical University, Jordan) and **Dr. Ahmed Z. Afify**
    2. Adam Braima Soliman Mastor (Registered at Jomo Kenyatta University of Agriculture and Technology, Kenya)
- Date: 9/2021- until now.
- Title: Generalized Exponential Weibull Regression Model (GEWRM) for Handling Survival Data in the Presence of Covariates
- Supervisors: Dr. Oscar Ngesa, Dr. Joseph Mung'atu and **Dr. Ahmed Z. Afify**

Journal Referee

- Journal of Applies Statistics (WOS, Scopus)
- Reliability Engineering and System Safety (WOS, Scopus)
- Quality Reliability Engineering International (WOS, Scopus)
- Annals of the Brazilian Academy of Sciences (WOS, Scopus)
- Journal of Statistical Computation and Simulation (WOS, Scopus)
- Journal of Modern Applied Statistical Methods (WOS, Scopus)
- Journal of King Saud University - Science (WOS, Scopus)
- Pakistan Journal of Statistics and Operation Research (WOS, Scopus)
- Communication in Statistics Theory and Methods (WOS, Scopus)
- Computational and Mathematical Methods in Medicine (WOS, Scopus)
- Electronic Journal of Applied Statistical Analysis (WOS, Scopus)
- Journal of Statistical Theory and Applications (WOS, Scopus)
- Mathematical Problems in Engineering (WOS, Scopus)
- Computers, Materials and Continua (WOS, Scopus)
- Advances in Mathematical Physics (WOS, Scopus)
- Kuwait Journal of Science (WOS, Scopus)
- Journal of Mathematics (WOS, Scopus)
- AIMS Mathematics (WOS, Scopus)
- Science Progress (WOS, Scopus)
- IEEE Access (WOS, Scopus)
- Complexity (WOS, Scopus)
- Entropy (WOS, Scopus)
- PloS One (WOS, Scopus)
- Journal of Statistics Applications & Probability Letters (Scopus)
- Journal of Statistical Distributions and Applications (Scopus)
- Journal of Applied Probability and Statistics (Scopus)
- Pakistan Journal of Statistics (Scopus)
- Quality and Quantity (Scopus)
- Springer Plus (WOS, Scopus)
- Statistica (WOS, Scopus)
- Journal of Nonlinear Science and Applications
- Annals of Data Science
- SpringerPlus

Publications

1- Shama, M. S., Dey, S., Altun, E. and **Afify, A. Z.** (2022). *The gamma–Gompertz distribution: theory and applications*. Mathematics and Computers in Simulation, 193, 689–712.

2- **Afify, A. Z.**, Aljohani, H. M., Alghamdi, A. S., Gemeay, A. M. and Sarg, A. M. (2021). *A new two-parameter Burr-Hatke distribution: properties and Bayesian and non-Bayesian inference with applications*. Journal of Mathematics, 2021, 1061083, 16 pages.

3- Hussein, E. A., Aljohani, H. M. and **Afify, A. Z.** (2022). *The extended Weibull–Fréchet distribution: properties, inference, and applications in medicine and engineering*. AIMS Mathematics. 7(1), 225–246.

4- **Afify, A. Z.**, Cordeiro, G. M., Ibrahim, N. A., Jamal, F., Elgarhy, M. and Nasir, M. A. (2021). *The Marshall-Olkin odd Burr III-G family: theory, estimation, and engineering applications*. IEEE Access, 9, 4376- 4387.

5- **Afify, A. Z.**, Shawky, A. I. and Nassar, M. (2021). *A new inverse Weibull distribution: properties, classical and Bayesian estimation with applications. Kuwait Journal of Science.* 48(3), 1-10.

6- **Afify, A. Z.**, Al-Mofleh, H. and Dey, S. (2021). Topp–Leone odd log-logistic exponential distribution: its improved estimators and applications. Anais da cademia Brasileira de Ciências. 93(4), e20190586.

7- **Afify, A. Z.**, Suzuki, A. K., Zhang, C. and Nassar, M. (2021). *On three-parameter exponential distribution: properties, Bayesian and non-Bayesian estimation based on complete and censored samples*. Communications in Statistics - Simulation and Computation. 50(11), 3799-3819.

8- Aljohani, H.M., Akdogan, Y., Cordeiro, G.M. and **Afify, A. Z.** (2021). *The uniform Poisson–Ailamujia distribution: actuarial measures and applications in biological science*. Symmetry, 13(7), 1258.

9- **Afify, A. Z.**, El-Morshedy, M. and Eliwa, M. S. (2021). *A new skewed discrete model: properties, inference, and applications*. Pak.j.stat.oper.res., 17(4), 799-816.

10- Reyad, H., Korkmaz, M. Ç., **Afify, A. Z.**, Hamedani, G. G. and Othman, S. (2021). *The Fréchet Topp Leone-G family of distributions: properties, characterizations and applications.* Annals of Data Science. 8(2), 345–366.

11- Al-Babtain, A.A., Kumar, D., Gemeay, A.M., Dey, S. and **Afify, A.Z.** (2021). *Modeling engineering data using extended power-Lindley distribution: properties and estimation methods*. Journal of King Saud University – Science, 33(8), 101582.

12- Al Mutairi, A., Iqbal, M.Z., Arshad, M.Z. and **Afify, A.Z.** (2021). *A new extended model with bathtub shaped failure rate: properties, simulation, and applications to failure rate and survival data*. Mathematics, 9(17), p.2024.

13- Almetwally, E., **Afify, A. Z.** and Hamedani, G. G. (2021). *Marshall-Olkin alpha power Rayleigh distribution: properties, characterizations, estimation and engineering applications*. Pak. J. Stat. Oper. Res., 17(3), 745-760.

14- Elshahhat, A., Aljohani, H. M. and **Afify, A. Z.** (2021). *Bayesian and classical inference under type-II censored samples of the extended inverse Gompertz distribution with engineering applications*. Entropy, 23(12), 1578.

15- Al-Babtain, A. A., Sherwani, R. A. K., **Afify, A. Z.**, Aidi, K., Nasir, M. A., Jamal, F. and Saboor, A. (2021). *The extended Burr-R class: properties, applications and modified test for censored data*. AIMS Mathematics, 6(3), 2912-2931.

16- Ahmad, Z., Mahmoudi, E. Roozegar, R. Alizadeh, M. and **Afify, A. Z.** (2021). A new exponential-X family: modeling extreme value data in finance sector. Mathematical Problems in Engineering, 2021, 8759055, 14 pages.

17- Ahsan-ul-Haq, M., Babar, A., Hashmi, S., Alghamdi, A. S. and **Afify, A. Z.** (2021). *The discrete type-ii half-logistic exponential distribution with applications to COVID-19 data.* Pak.j.stat.oper.res., 17(4), 921-932

18- Zhao, J., Ahmad, Z., Almaspoor, Z., El-Morshedy, M. and **Afify, A. Z.** (2021). *Modeling COVID-19 pandemic dynamics in two asian countries*. Computers, Materials & Continua, 67(1), 965-977.

19- Alsubie1, A., Abdelhamid, M., Ahmed, A.H.N., Alqawba, M. and **Afify, A. Z.** (2021).

Inference on generalized inverse-Pareto distribution under complete and censored samples. Intelligent Automation & Soft Computing. 29(1), 213-232.

20- Zaidi, S. M., Al Sobhi, M. M., El-Morshedy, M. and **Afify, A. Z.** (2021). *A new generalized family of distributions: properties and applications.* Aims Math, 6, pp.456-476.

21- Al-Babtain, A. A., Gemeay, A. M. and **Afify, A. Z.** (2021). *Estimation methods for the discrete Poisson-Lindley and discrete Lindley distributions with actuarial measures and applications in medicine.* Journal of King Saud University – Science, 33(2), 101224.

22- Alam, F. M. A., Alrajhi, S., Nassar, M. and **Afify, A. Z.** (2021). *Modeling liver cancer and leukemia data using arcsine-gaussian distribution.* Computers, Materials & Continua, 67(2), 2185-2202.

23- Al-Babtain, A.A., Elbatal, I., Al-Mofleh, H., Gemeay, A.M., **Afify, A.Z.** and Sarg, A.M., (2021). *The flexible Burr X-G family: properties, inference, and applications in engineering science.* Symmetry, 13(3), p.474.

24- Alfaer, N.M., Gemeay, A.M., Aljohani, H.M. and **Afify, A.Z.** (2021). *The extended log-logistic distribution: inference and actuarial applications.* Mathematics, 9(12), p.1386.

25- Almazah, M.M.A., Alnssyan, B., Ahmed, A.H.N. and **Afify, A.Z.** (2021). *Reliability properties of the NDL family of discrete distributions with its inference.* Mathematics, 9(10), p.1139.

26- Almazah, M.M.A., Erbayram, T., Akdoğan, Y., AL Sobhi, M.M. and **Afify, A.Z.** (2021). *A new extended geometric distribution: properties, regression model, and actuarial applications.* Mathematics, 9(12), p.1336.

27- Ahmad, Z., Mahmoudi, E., Alizadeh, M., Roozegar, R. and **Afify, A.Z.** (2021). *The exponential T-X family of distributions: properties and an application to insurance data.* Journal of Mathematics, 2021, 3058170, 18 pages.

28- Alsubie, A., Akhter, Z., Athar, H., Alam, M., Ahmad, A.E.B.A., Cordeiro, G.M. and **Afify, A.Z.** (2021). *On the omega distribution: some properties and estimation.* Mathematics, 9(6), p.656.

29- Ul-Haq, M.A., **Afify A.Z.**, Al-Mofleh, H., Usman, R.M., Alqawba, M. and Sarg, A.M. (2021). *The Marshall-Olkin modified Burr III distribution: properties and applications,* Pakistan Journal of Statistics and Operation Research, 17(1), 1-14.

30- Balogun, O.S., Iqbal, M.Z., Arshad, M.Z., **Afify, A.Z.** and Oguntunde, P.E. (2021). A new generalization of Lehmann type-II distribution: theory, simulation, and applications to survival and failure rate data. Scientific African, 12, p.e00790.

31- Kumar, D., Nassar, M., **Afify, A. Z.** and Dey, S. (2021). *The complementary exponentiated Lomax-Poisson distribution with applications to bladder cancer and failure data.* Austrian Journal of Statistics, 50(3), 77-105.

32- El-Morshedy, M., Aljohani, H. M., Eliwa, M. S., Nassar, M., Shakhatreh, M. K. and **Afify, A. Z.** (2021). *The exponentiated Burr–Hatke distribution and its discrete version: reliability properties with CSALT model, inference and applications.* Mathematics, 9(18), 2277.

33- D'Andrea, A. M. E., Tomazella, V. L. D., Aljohani, H. M., Ramos, P. L., Almeida, M. P., Louzada, F., Verssani, B. A. W., Gazon, A. B. and **Afify, A. Z.** (2021). *Objective Bayesian analysis for multiple repairable systems.* Plos One, 16(11), e0258581.

34- Aldahlan, M. A. D., Khalil, M. G. and **Afify, A. Z.** (2020). *A new generalized family of distributions for lifetime data.* Journal of Modern Applied Statistical Methods, 19(1), eP2948

35- **Afify, A. Z.** and Mohamed, O. A. (2020). *A new three-parameter exponential distribution with variable shapes for the hazard rate: estimation and applications.* Mathematics, 8(1), p.135.

36- Aldahlan, M. A. and **Afify, A. Z.** (2020). *The odd exponentiated half-logistic exponential distribution: estimation methods and application to engineering data.* Mathematics, 8(10), p.1684.

37- **Afify, A. Z.** and Alizadeh, M. (2020). *The odd Dagum family of distributions: properties and applications.* Journal of Applied Probability & Statistics, 15(1), 45-72.

38- **Afify, A. Z.**, Gemeay, A. M. and Ibrahim, N. A. (2020). *The heavy-tailed exponential*

distribution: Risk measures, estimation, and application to actuarial data. Mathematics, 8(8), p.1276.

39- **Afify, A. Z.**, Nassar, M., Cordeiro, G. M. and Kumar, D. (2020). *The Weibull Marshall-Olkin Lindley: Properties and Estimation*. Journal of Taibah University for Science, 14(1), 192-204.

40- **Afify, A. Z.**, Kumar, D. and Elbatal, I. (2020). *Marshall–Olkin power generalized Weibull distribution with applications in engineering and medicine*. Journal of Statistical Theory and Applications, 19(2), 223-237.

41- Al-Mofleh and **Afify, A. Z.** and Ibrahim, N. A. (2020). *A new extended two-parameter distribution: properties, estimation methods, and applications in medicine and geology*. Mathematics, 8(9), p. 1578.

42- Alkarni, S., **Afify, A. Z.**, Elbatal, I. and Elgarhy, M. (2020). *The Extended Inverse Weibull Distribution: Properties and Applications*. Complexity, 2020.

43- He, W., Ahmad, Z., **Afify, A. Z.** and Goual, H. (2020). *The arcsine exponentiated-X family: validation and insurance application*. Complexity, 2020.

44- Al-Babtain, A. A., Ahmed, A. H. N. and **Afify, A. Z.** (2020). *A new discrete analog of the continuous Lindley distribution, with reliability applications*. Entropy, 22(6), p.603.

45- Eliwa, M. S., El-Morshedy, M. and **Afify, A. Z.** (2020). *The odd Chen generator of distributions: properties and estimation methods with applications in medicine and engineering*. Journal of the National Science Foundation of Sri Lanka, 48(2), 113-130.

46- Al-Babtain, A. A., Shakhatreh, M. K., Nassar, M. and **Afify, A. Z.** (2020). *A new modified Kies family: properties, estimation under complete and type-II censored samples, and engineering applications*. Mathematics, 8(8), p.1345.

47- Alizadeh, M., **Afify, A. Z.**, Eliwa, M. S. and Ali, S. (2020). *The odd log-logistic Lindley-G family of distributions: properties, Bayesian and non-Bayesian estimation with applications*. Computational Statistics. 35(1), 281-308.

48- Zhao, W., Khosa, S. K., Ahmad, Z., Aslam, M. and **Afify, A. Z.** (2020). *Type-I heavy tailed family with applications in medicine, engineering and insurance*. Plos one, 15(8), p.e0237462.

49- Alshenawy, R., Al-Alwan, A., Almetwally, E. M., **Afify, A. Z.** and Almongy, H. M. (2020). *Progressive type-II censoring schemes of extended odd Weibull exponential distribution with applications in medicine and engineering*. Mathematics, 8(10), p.1679.

50- Cordeiro, G. M., Altun, E., Korkmaz, M. Ç., Pescim, R. R., **Afify, A. Z.** and Yousof, H. M. (2020). *The xgamma family: censored regression modelling and applications*. Revstat Statistical Journal, REVSTAT – Statistical Journal, 18(5), 593-612.

51- Khosa, S. K., **Afify, A. Z.**, Ahmad, Z., Zichuan, M., Hussain, S. and Iftikhar, A. (2020). *A new extended-F family: properties and applications to lifetime data*. Journal of Mathematics, 2020.

52- Nassar, M., Afify, A. Z., Shakhatreh, M. K. and Dey, S. (2020). *On a new extension of weibull distribution: properties, estimation and applications to one and two causes of failures*. Quality and Reliability Engineering International, 36(6), 2019-2043.

53- **Afify A. Z.** and Abdellatif, A. D. (2020). *The extended Burr XII distribution: properties and applications*. J. Nonlinear Sci. Appl., 13(3), 133-146.

54- Aldahlan, M. A. and **Afify, A. Z.** (2020). *A new three-parameter exponential distribution with applications in reliability and engineering*. Journal of Nonlinear Sciences & Applications, 13(5), 258-269.

55- Nassar, M., **Afify, A. Z.** and Shakhatreh, M. (2020). *Estimation methods of alpha power exponential distribution with applications to engineering and medical data*. Pakistan Journal of Statistics and Operation Research, 16(1), 149-166.

56- Mead, M. E., **Afify, A. Z.** and Butt, N. S. (2020). *The modified Kumaraswamy Weibull distribution: properties and applications in reliability and engineering sciences*. Pakistan Journal of Statistics and Operation Research, 16(3), 433-446.

57- **Afify A. Z.**, Yousof, H. M., Alizadeh, M., Ghosh, I., Ray, S. and Ozel, G. (2020). *The Marshall–Olkin transmuted-G family of distributions*. Stochastics and Quality Control, 35(2), 79-96.

58- Hamed, M., Aldossary, F. and **Afify A. Z.** (2020). *The four-parameter Fréchet distribution: Properties and applications*. Pakistan Journal of Statistics and Operation Research, 16(2), 249-264.

59- Al-Mofleh, H., Elgarhy, M., **Afify A. Z.** and Zannon, M. (2020). *Type II exponentiated half logistic generated family of distributions with applications*. Electronic Journal of Applied Statistical Analysis, 13(2), 536-561.

60- Abbas, S., Jahngeer, A., Shahbaz, S. H., **Afify A. Z.** and Shahbaz, M. Q. (2020). *Topp-Leone moment exponential distribution: properties and applications*. Journal of the National Science Foundation of Sri Lanka, 48(3), 265-274.

61- Yousof, H., Mansoor, M., Alizadeh, M., **Afify A. Z.** and Ghosh, I. (2020). *The Weibull-G Poisson family for analyzing lifetime data*. Pakistan Journal of Statistics and Operation Research, 16(1), 131-148.

62- **Afify A. Z.**, Cordeiro, G. M., Mead, M. E., Alizadeh, M., Al-Mofleh, H. and Nofal, Z. M. (2019). *The generalized odd Lindley-G family: properties and applications*. Anais da cademia Brasileira de Ciências, 91(3), 1-22.

63- Cordeiro, G. M., **Afify, A. Z.**, Ortega, E. M. M., Suzuki, A. K. and Mead, M. E. (2019). *The odd Lomax generator of distributions: properties, estimation and applications*. Journal of Computational and Applied Mathematics, 347, 222–237.

64- Sen, S., Afify, A. Z., Al-Mofleh, H. and Ahsanullah, M. (2019). *The quasi xgamma-geometric distribution with application in medicine*. Filomat, 33(16), 5293–5332.

65- Nassar, M., Dey, S., Kumar, D., Cordeiro, G. M., and **Afify, A. Z.** (2019). *Marshall-Olkin alpha power family of distributions with applications*. Journal of Computational and Applied Mathematics, 351, 41–53.

66- Korkmaz, M. Ç., Cordeiro, G. M., Yousof, H. M., Pescim, R. R. **Afify A. Z.** and Nadarajah, S. (2019). *The Weibull Marshall–Olkin family: regression model and application to censored data*. Communications in Statistics - Theory and Methods, 48(16), 4171-4194.

67- Aldahlan, M. A. D., **Afify, A. Z.** and Ahmed, A. N. (2019). *The odd inverse Pareto-G class: properties and applications*. J. Nonlinear Sci. Appl., 12, 278–290.

68- Mead, M. E., Cordeiro, G. M., **Afify, A. Z.** and Al-Mofleh, H. (2019). *The Alpha Power Transformation Family: Properties and Applications.* Pak. j. stat. oper. res., 15(3), 525-545.

69- Mansour, M. M., Abd Elrazik, E. M., **Afify, A. Z.**, Ahsanullah, M. and Altun, E. (2019). *The transmuted transmuted-G family: properties and applications*. J. Nonlinear Sci. Appl., 12, 217-229.

70- Elbatal, I., Altun, E., **Afify A. Z.** and Ozel, G. (2019). *The generalized Burr XII power series distributions with properties and applications*. Annals of Data Science, 6(3), 571–597.

71- Nofal, Z. M., Altun, E., **Afify, A. Z.** and Ahsanullah, M. (2019). *The generalized Kumaraswa-my-G family of distributions*. Journal of Statistical Theory and Applications, 18(4), 329–342.

72- Altun, E., Alizadeh, M., **Afify A. Z.** and Ozel, G. (2019). *The generalized odd half-logistic family of distributions with regression models*. International Journal of Statistics and Economics, 20(1), 88-110.

73- Elbatal, E., Zayed, M., Rasekhi, M., **Afify A. Z.** and Iqbal, Z. (2019). *A new extended Weibull model for lifetime data*. Journal of Applied Probability and Statistics, 14(1), 57-73.

74- **Afify, A. Z.**, Zayed, M. and Ahsanullah, M. (2018). *The extended exponential distribution and its applications*. Journal of Statistical Theory and Applications, 17, 213-229.

75- **Afify, A. Z.**, Cordeiro, G. M., Yousof, H. M., Saboor, A. Ortega, E. M. M. (2018). *The Marshall-Olkin additive Weibull distribution with variable shapes for the hazard rate*. Hacettepe Journal of Mathematics and Statistics, 47, 365-381.

76- Nassar, M., **Afify, A. Z.**, Dey, S., and Kumar, D. (2018). *A new extension of Weibull distribution: properties and different methods of estimation*. Journal of Computational and Applied Mathematics, 335, 439-457.

77- Korkmaz, M. C., Altun, E., Yousof, H. M., **Afify, A. Z.** and Nadarajah, S. (2018). *The Burr X Pareto distribution: properties, applications and VaR estimation*. Journal of Risk and

Financial Management, 11, 1-6.

78- Alizadeh, M., Yousof, H. M., **Afify, A. Z.,** Cordeiro, G. M. and Mansoor, M. (2018). *The complementary generalized transmuted Poisson-G family of distributions*. Austrian Journal of Statistics, 47, 51-71.

79- Alizadeh, M., Altun, E., **Afify, A. Z.** and Ozel, G. (2018). *The extended odd Weibull-G family: properties and applications*. Commun. Fac. Sci. Univ. Ank. Ser. A1 Math. Stat., 68, 161-186

80- Mansour, M. M., Aryal, G. **Afify, A. Z.** and Ahmad, M. (2018). *The Kumaraswamy exponentiated Fréchet distribution*. Pakistan Journal of Statistics, 34, 177-193.

81- Mansour, M. M., Abd Elrazik, E. M., Altun, E., **Afify, A. Z.** and Iqbal, Z. (2018). *A new three-parameter Fréchet distribution: properties and applications*. Pakistan Journal of Statistics, 34(6), 441-458.

82- Aldahlan, M. A. D. and **Afify, A. Z.** (2018). *The odd exponentiated half-logistic Burr XII distribution*. Pak. Journal Stat. Oper. Res., 14, 317-329.

83- Abouelmagd, T. H. M., Al-mualim, S., **Afify, A. Z.,** Ahmad, M. and Al-Mofleh, H. (2018). *The odd Lindley Burr XII distribution with applications*. Pakistan Journal of Statistics, 34, 15-32.

84- Abouelmagd, T. H. M., Hamed, M. S., Ebraheim, A. N. and **Afify A. Z.** (2018). *Towards the evaluation of $P(X_{(t)} > Y_{(t)})$ when both $X_{(t)}$ and $Y_{(t)}$ are inactivity times of two systems*. Communications in Statistics - Theory and Methods, 47(14), 3293-3304.

85- Domma, F., Eftekharian, A., **Afify, A. Z.,** Alizadeh, M. and Ghosh, I. (2018). *The odd log-logistic Dagum distribution: properties and applications*. Revista Colombiana de Estadística, 41, 109-135.

86- **Afify, A. Z.,** Cordeiro, G. M., Bourguignon, M. and Ortega, E. M. M. (2018). *Properties of the transmuted Burr XII distribution, regression and its applications*. Journal of Data Science, 16, 485-510.

87- Yousof, H. M., **Afify A. Z.,** Nadarajah, S., Hamedani, G. and Aryal, G. (2018). *The Marshall-Olkin generalized-G family of distributions with applications*. STATISTICA, 78(3), 273-295.

88- Sen, S. and **Afify, A. Z.** (2018). *Finite range life distributions of coherent dependent systems.* Journal of IAPQR Transactions, 43(1), 73-88.

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2- Al-Mofleh, H. and **Afify, A. Z.** (2020). *A new generalized family of distributions: Properties and applications.* Journal of Statistical Theory and Applications. *To appear.*

3- Reyad, H. M., **Afify, A. Z.**, Jamal, F. and Othman, S. (2019). *The extended power Lindley-G family of distributions: properties and applications*. Journal of Modern Applied Statistical Methods. *To appear.*

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