

## CURRICULUM VITAE

### PERSONAL DATA

<b>Name</b>	Mohamed Abdelgawad Ahmed Abdelgawad Salem
<b>Nationality</b>	Egyptian
<b>Position</b>	Assistant Professor
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### EDUCATION

Year	Academic Degree	Institution
2005	Bachelor of Science in Pure Mathematics	Department of Mathematics, Faculty of Science, Benha University, Benha 13518, Egypt.
2012	Master of Science in Mathematical Statistics	Department of Mathematics, Faculty of Science, Benha University, Benha 13518, Egypt.
2017	PhD in Mathematical Statistics	School of Mathematics and Statistics, Central China Normal University, Wuhan, China.

### WORK EXPERIENCE

Period	Position	Address
Mar/2007-Feb/2012	Teaching assistant	Department of Mathematics, Faculty of Science, Benha University, Benha 13518, Egypt.
Feb/2012-Sep/2014	Lecturer	Department of Mathematics, Faculty of Science, Benha University, Benha 13518, Egypt.
July/2017-Feb/2018	Assistant Professor	Department of Mathematics, Faculty of Science, Benha University, Benha 13518, Egypt.
Feb/2018- Jan/2020	Postdoctoral	School of Computer Science and Technology, Wuhan University of Technology, Wuhan 430070, China.
Jan/2020- Oct/2022	Assistant Professor	Department of Mathematics, Faculty of Science, Benha University, Benha 13518, Egypt.
Oct/2022 up to now	Assistant Professor	College of Science-Al Imam Mohammad Ibn Saud Islamic University, Saudi Arabia

## RESEARCH INTERESTS

Order Statistics- Record Values - Extreme Value Theory- Limit Theory- Concomitants- Measures information theory- Mathematical Statistics (Probability distribution).

## PUBLICATIONS

1. Abd Elgawad, M. A. and Elsayah, A. M. (2014). Bivariate Generalized Order Statistics, Asymptotic Theory of Extreme, Central and Intermediate. Academic Publishing, Germany, ISBN 978-3-659-63146-7.
2. Barakat, H. M., Nigm, E. M. and Abd Elgawad, M. A. (2014). Limit theory for joint generalized order statistics. REVSTAT Statistical Journal 12(3), 199-220.
3. Barakat, H. M., Nigm, E. M. and Abd Elgawad, M. A. (2014). Limit theory for bivariate extreme generalized order statistics and dual generalized order statistics. ALEA, Lat. Am. J. Probab. Math. Stat. 11(1), 331-340.
4. Barakat, H. M. Nigm, E. M. and Abd Elgawad, M. A. (2015). Limit theory for bi- variate central and bivariate intermediate dual generalized order statistics. J. Probab. and Math. Statistics. 35(2): 267-284.
5. Abd Elgawad, M. A., Barakat, H. M., Qin H. and Yan T. (2016). Limit theory of bivariate dual generalized order statistics with random index. Statistics 51(3): 572-587. <http://dx.doi.org/10.1080/02331888.2016.1265965>.
6. Elsayah, A. M., Al-awady, M. A., Abd Elgawad, M. A. and Qin H. (2016). A Note on optimal foldover four-level factorials. Acta Math. Sinica 32(3), 286-296.
7. Barakat, H. M. and Abd Elgawad, M. A. (2017). Asymptotic behavior of the joint record values, with applications. Stat. Prob. Lett. 124: 13–21.
8. Barakat, H. M., Abd Elgawad, M. A. and Yan T. (2017). Asymptotic behavior of record values with random indices. ProbStat Forum 10: 16-22.
9. Li W., Yan T., Abd Elgawad, M. A. and Qin H. (2017). Degree-based moment estimation for ordered networks. J. Syst. Sci. Complex 30: 721-733. DOI: 10.1007/s11424-017-5307-5.
10. Barakat, H. M., Abd Elgawad, M. A. and Yan T. (2018). Generalized order statistics with random indices. Communi. Statist. Theory Methods, Vol. 47, No.12, 2859- 2868.
11. Barakat, H. M., Abd Elgawad, M. A., Qin H. and Yan T. (2018). Limit theory of bivariate generalized order statistics with random sample size. Journal Mathematical Methods of Statistics, 27(1): 47-59. DOI: 10.3103/S1066530718010039.
12. Barakat, H. M. and Abd Elgawad, M. A. (2019). Asymptotic behavior of the record values in a stationary Gaussian sequence, with applications. Math. Slovaca, 69 , No. 3, 707-720.
13. Essawe, F. H. Abd Elgawad, M. A. Barakat, H. M. and Zhao, Hui (2019). Limit theorems for bivariate generalized order statistics in stationary Gaussian sequences with random sample sizes. Proceedings of the LAS. Vol. 73, No. 6(723), pp. 525-532.
14. Abd Elgawad, M. A., Barakat, H. M. and Yan T. (2020). Bivariate limit theorems for record values based on random sample sizes. Sankhya A, 82, 50-67.
15. Abd Elgawad, M. A., Barakat, H. M. and Xiong, S. (2020). Limit distributions of random record model in a stationary Gaussian sequence. Comm. in Stat.-Theory and Methods, 49: 5, 1099-1119.
16. Abd Elgawad, M. A., Barakat, H. M., Alawady, M. A. and Shengwu Xiong. (2020). Concomitants of Generalized Order Statistics from Huang-Kotz Farlie- Gumbel- Morgenstern Bivariate Distribution-Some Information Measures. Bull. Malays. Math. Sci. Soc. 43,2627-2645.
17. Abd Elgawad, M. A., Barakat, H. M. and Alawady, M. A. (2021). Concomitants of generalized

- order statistics under the generalization of Farlie-Gumbel-Morgenstern type bivariate distributions. *Bull. Iran. Math. Soc.*47(4),1045-1068. <https://doi.org/10.1007/s41980-020-00427-0>
- 18.Barakat, H. M., Abd Elgawad, M. A. and Alawady, M. A. (2020). Asymptotic order statistics of mixtures of distributions. *Rocky Mountain journal of Mathematics*, 50: 2, 429-443.
- 19.Alawady, M. A., Barakat, H. M., Xiong Shengwu and Abd Elgawad, M. A. (2020). Concomitants of generalized order statistics from iterated Farlie-Gumbel-Morgenstern type bivariate distribution. *Comm. Statist.-Theory Meth.*,1-17, <https://doi.org/10.1080/03610926.2020.1842452>.
- 20.Abd Elgawad, M. A., Barakat, H. M., and Alawady, M. A. (2021).Concomitants of Generalized Order Statistics from Bivariate Cambanis Family: Some Informa- tion Measures.*Bull. Iranian. Math. Soc.*, 1-23, <https://doi.org/10.1007/s41980-021- 00532-8>.
- 21.Alawady, M. A., Barakat, H. M., Shengwu Xiong and Abd Elgawad, M. A., (2021). On concomitants of dual generalized order statistics from Bairamov-Kotz-Becki Farlie- Gumbel-Morgenstern bivariate distributions. *Asian-European J. Math.*,14 (10),2150185 <https://doi.org/10.1142/S1793557121501850>.
- 22.Barakat, H. M. Alawady, M. A. and Abd Elgawad, M. A., (2021). Correction to the paper ” A new extension of the FGM copula with an application in reliability” by Rasha Ebaid, Walid Elbadawy, Essam Ahmed and Abdalla Abdelghaly. *Comm. Statist.-Theory Meth.*,1-2, <https://doi.org/10.1080/03610926.2021.1879864>.
- 23.Abd Elgawad, M. A., Barakat, H. M., Xiong, S., and Alyami, S. A. (2021). Infor- mation measures for generalized order statistics and their concomitants under general framework from Huang-Kotz FGM bivariate distribution. *Entropy*, 23(335). <https://doi.org/10.3390/e23030335>.
- 24.Alawady, M. A., Barakat, H. M. and Abd Elgawad, M. A. (2021). Concomitants of generalized order statistics from bivariate Cambanis family of distributions under a general setting. *Bull. Malays. Math. Sci. Soc.*, 44 (5), 3129-3159.
- 25.Mohamed, M. S., Barakat, H. M., Alyami, S. A., and Abd Elgawad, M. A. (2021). Fractional entropy-based test of uniformity with power comparisons. *Journal of Mathematics*, 2021.
- 26.Abd Elgawad, M. A. and Alawady, M. A. (2022). On concomitants of generalized order statistics from generalized FGM family under a general setting. *Math. Slovaca.*, 72 (2).
- 27.Mohamed, S. M., Barakat, H. M., Alyami, S. A. and Abd Elgawad, M. A. (2022). Cumulative residual Tsallis entropy-based test of uniformity and some new findings. 10(5), 771, <https://doi.org/10.3390/math10050771>.
- 28.Abd Elgawad, M. A., & Alawady, M. A. (2022). On concomitants of generalized order statistics from generalized FGM family under a general setting. *Mathematica Slovaca*, 72(2), 507-526.
- 29.Husseiny, I. A., Alawady, M. A., Barakat, H. M., & Abd Elgawad, M. A. (2022). Information measures for order statistics and their concomitants from Cambanis bivariate family. *Communications in Statistics-Theory and Methods*, 1-17.
- 30.Husseiny, I. A., Alawady, M. A., Alyami, S. A., & Abd Elgawad, M. A. (2023). Measures of Extropy Based on Concomitants of Generalized Order Statistics under a General Framework from Iterated Morgenstern Family. *Mathematics*, 11(6), 1377.