Assist. Prof. Dr. Bayda Atiya Kalaf

Google Scholar

https://scholar.google.com/citations?user=fW3oMOYAAAAJ&hl=en

Scopus

https://www.scopus.com/authid/detail.uri?authorId=56922257200

Publons

https://www.webofscience.com/wos/author/record/J-4229-2019

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Research Gate

https://www.researchgate.net/profile/Bayda-Kalaf/research

Education

1- Ph.D. in Statistics /Operation Research in Department of Mathematics, Faculty of Science, University Putra Malaysia, Serdang, Malaysia
2- M.Sc. in Statistics in Department of Mathematics, College of Education for Pure Science Ibn Al-Haithem, University of Baghdad, Iraq.
3- higher Diploma in 2003 from Information Institute for Higher Studying, Iraqi, Commission for Computers and Informatics (ICCI).
4- B.Sc in the field of Mathematical in 1999 from at Department of Mathematics, College of Education for Pure Science Ibn Al-Haithem, University of Baghdad, Iraq.

Research Interest:

Operation research, linear programming, Multi-objective, Statistic, Optimization, Heuristic, Reliability Estimation. • Bayesian Statistics. • Statistical Analysis.

Work Experience

2002-2008 Programmer in Department of Mathematics, College of Education for Pure Science Ibn Al-Haithem, University of Baghdad

2008-2011   Assistant Lecturer College of Education for Pure Science Ibn Al-Haithem, University of Baghdad).

2020 till now   Assistant Professor in Department of Mathematics, College of Education for Pure Science Ibn Al-Haithem, University of Baghdad

2021 till now   Editor in Ibn Al-Haitham Journal for Pure and Applied Sciences (**IHJPAS**)

Languages:

• Arabic.

• English.

Teaching Experience

Mathematical Statistics, Reliability , multivariate analysis, Statistical modeling, Advanced Statistics, Introduction and Advanced in Computers Science, Probability and Statistics

Supervision

• PhD:

1- Solving Multi Objective Function for Machine **Scheduling** Problem
2- ***Hybrid Meta-Heuristic Algorithm to Estimate the Survival Function of the Truncated Distribution***

• MSc:

1- Employing some Meta-Heuristic Algorithms for Non-Linear Regression Models
2- On Shrinkage Estimation of System Reliability in Stress Strength Models
3- On Estimation the Survival and Related Probability Functions

4- Simulation Different Estimation Methods for Reliability of System Based on Stress-Strength Models

Publications:

1- Comparison Different Estimation Methods for the Parameters of Non-Linear Regression,

   Z AdilabdAlkareem, BA Kalaf , Iraqi Journal of Science, 1662-1680,2022

2- Estimation of the survival function based on the log-logistic distribution, A Ibrahim, BA Kalaf, International Journal of Nonlinear Analysis and Applications 13 (1), 127-141 1 , 2022

3- Comparison of Some of Estimation methods of Stress-Strength Model: R= P (Y< X< Z), SH Raheem, BA Kalaf, AN Salman, Baghdad Science Journal 18 (2 (Suppl.)),1103-1103, 2021

4- A new algorithm to estimate the parameters of log-logistic distribution based on the survival functions, AK Bayda, Journal of Physics: Conference Series 1879 (3), 032037, 2021

5- A New Algorithm to Estimate the Parameters of Nonlinear Regression, BA Kalaf, Journal of Physics: Conference Series 1879 (3), 032042, 2021

6- A New Hybrid Meta-Heuristics Algorithms to Solve APP Problems, BA Kalaf, GJ Mohammed, MD Salman, Journal of Physics: Conference Series 1897 (1), 012011, 2021

7- An efficient shrinkage estimator for generalized inverse Rayleigh distribution based on bounded and series stress-strength models, IG Jebur, BA Kalaf, AN Salman, Journal of Physics: Conference Series 1897 (1), 012054, 2021

8- Enhanced Supervised Principal Component Analysis for Cancer Classification, GJM Mahdi, BA Kalaf, MA Khaleel, Iraqi Journal of Science, 1321-1333,   2021

9- Estimation of the reliability system in model of stress-strength according to distribution of inverse Rayleigh, BA Kalaf, SH Raheem, AN Salman, Periodicals of Engineering and Natural Sciences (PEN) 9 (2), 524-533,   2021

10- On Bayesian Estimation of System Reliability in Stress–Strength Model Based on Generalized Inverse Rayleigh Distribution, IG Jebur, BA Kalaf, AN Salman, IOP Conference Series: Materials Science and Engineering 871 (1), 012053, 2020

11- On Estimation of P (Y< X) in Case Inverse Kumaraswamy Distribution,BA Hameed, AN Salman, BA Kalaf, Ibn AL-Haitham Journal For Pure and Applied Sciences 33 (1), 108-118,   2020

12- On Estimation of in Cased Inverse Kumaraswamy Distribution, BA Hameed, AN Salman, BA Kalaf, Iraqi Journal of Science 61 (4), 845-853, 2020

13- A Comparison for Some of the estimation methods of the Parallel Stress-Strength model In the case of Inverse Rayleigh Distribution, SH Raheem, HK Mansor, BA Kalaf, AN Salman, 2019 First International Conference of Computer and Applied Sciences (CAS 4 2019), Bayda Atiya Kalaf.

14- on α-gĨ-closed soft sets, RB Esmaeel, AI Nasir, Sci. Inter.(Lahore) 30 (5), 703-705 5, 2018

15- Decision Support and its Role in Rationalizing the Decisions of the Executive Management of Operations Systems, BA Iraq Tereq, Bayda Atiya Kalaf, Journal of Advanced Research in Dynamical and Control Systems - JARDCS, 1114 , 2018

16- Solution for multi-objective optimization master production scheduling problems based on swarm intelligence algorithms, MRA Bakar, IT Abbas, MA Kalal, HA AlSattar, AGK Bakhayt, BA Kalaf,Journal of Computational and Theoretical Nanoscience 14 (11), 5184-5194, 2017

17- HYBRID META-HEURISTIC ALGORITHM FOR SOLVING MULTI-OBJECTIVE AGGREGATE PRODUCTION PLANNING IN FUZZY ENVIRONMENT, BA KALAF, 2017

18- APPLICATION OF THE DOWNHILL SIMPLEX ALGORITHM FOR SOLVING AGGREGATE PRODUCTION PLANNING PROBLEMS, BA Abdul Jabbar K. Bakheet , Bayda Atiya kalaf, Sci.Int 29 (5), 1075-1081   2017

19- A new hybrid algorithm of simulated annealing and simplex downhill for solving multiple-objective aggregate production planning on fuzzy environment, AA Zaidan, B Atiya, MRA Bakar, BB Zaidan, Neural Computing and Applications, 1-12, 2017

20- Enhanced simulated annealing for solving aggregate production planning, MR Abu Bakar, AJK Bakheet, F Kamil, BA Kalaf, IT Abbas, LL Soon, Mathematical Problems in Engineering, 2016

21- Application of simulated annealing to solve multi-objectives for aggregate production planning, B Atiya, AJK Bakheet, IT Abbas, MRA Bakar, LL Soon, MB Monsi, AIP Conference Proceedings 1739 (1), 020086, 2016

22- The Role of Dynamic Programming in the Distribution of Investment Allocations between Production Lines with an Application, I Abdul-Zahra, International Journal of Pure and Applied Mathematics 106 (2), 365-380,   2016

23- A MODIFIED FUZZY MULTI-OBJECTIVE LINEAR PROGRAMMING TO SOLVE AGGREGATE PRODUCTION PLANNING, ITA Bayda Atiya Kalaf , Rizam Abu Bakar , Lee Lai Soon , Mansor Bin Monsi , International Journal of Pure and Applied Mathematics 104 (3), 339-352,   2015

24- Improved of Stein-Type Estimator of the Variance of Normal Distribution via Shrinkage Estimation Technique, AN Al-Joboori, BA Khalef, SK Haydar, International Journal of Inventive Engineering and Sciences (IJIES) 2 (6), 14-17, 2014

25- A preliminary test single stage Shrinkage (PTSSS) technique, SH Raheem, BA Kalaf, AN Salman, journal of Economics And Administrative Sciences 16 (60)   , 2010

26- Estimate the Scale Parameter of Exponential Distribution Via Modified Two Stage Shrinkage Technique, A.N. AL- Joboori, B.A.khalaf,S. Hamza, Journal College of Education, 62—75,   2010