

## Curriculum Vitae



### Personal Information:

**Full Name:** Khwazbeen Saida Fatah

**Academic Title:** Assistant Professor

**Home Address:** Jamal Haydari Street-Mufti-299-169 Erbil/KR

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### Education:

- **PhD in Applied Statistics (2009), University of Glamorgann, UK.**  
*Thesis Title: Preference Modelling Approaches Based on Cumulative Functions Using Simulation with Applications.*
- **MSc in Simulation (1985), University of Wales, UK.**  
*Thesis Title: Simulation of Spatial Statistics*
- **BSc in Mathematics (1979) University of Sulaimani, Iraq.**

### Employment:

- **From 1986 worked as an assistant lecturer at Mathematics Department/College of Science/salahaddin University/Iraq.**
- **From 1996 – 2013 worked as lecturer at Mathematics Department/ College of Science/ Salahaddin University/Iraq;**
- **2013- works as assistant professor.**
- **Director for Computer & Internet Center, Salahaddin University (1997-2004);**
- **Computer Supervisor for Central Bureau for Admission, Salahaddin University (1998-2002;)**
- **Internet Supervisor for Safeen Center for International communications (1996-1998);**
- **Internet Supervisor for Kurdistan National Assembly in Erbil (1998-2000).**

### Teaching experience:

- **programming languages,**

- *Introduction to Probability and Statistics,*
- *Statistical Inference,*
- *Statistical Data Analysis,*
- *Simulation and Modeling*
- *Stochastic Processes.*

### Research and publications

- Fatah, K, (2024) “Modeling Non-Homogenous Poisson Process and Estimating the Intensity Function for Earthquake Occurrences in Iraq using Simulation for data from January 1st 2018 to April 30th 2023”, Zanco Journal, Accepted for Publication.
- Adel S. H., Fatah, K, , Muthanna Subhi Sulaiman, (2023) “Parameters Estimation of The Proposed Non-Homogeneous Inverse Rayleigh Process”, Iraqi Journal of Science, Accepted for Publication.
- Ahmed, A., Fatah, K. and Mahmoud, N. (2023) “Local and Interval Dependence for Bivariate Gamma distribution Created by Archimedean Copula”, *Utilitas Mathematica*, 120(1), 1184-1190.
- Adel.S.H., Fatah, K. and Sulaiman, M.(2023) “Estimating the Rate of Occurrence of Exponential Process Using Intelligence and Classical Methods with Application”, *Palestine Journal of Mathematics*, 12(Special Issue I), 73–86.
- Adel.S.H., Fatah, K. and Sulaiman, M. (2023) “Estimating the Rate of Occurrence of Extreme value process Using Classical and Intelligent Methods with Application”, *Iraqi Journal of Science*, 64(6).
- Adel, H., Sulaiman, M., Fatah, K. (2022) “Estimation of Rayleigh Process Parameters Using Classical and Intelligent Methods with Application”, 8th International Conference on Contemporary Information Technology and Mathematics (ICCITM2022), Mosul University, Mosul-Iraq, IEEE, DIO: 10.1109/ICCITM56309.2022.10031678
- Fatah, K. and Alkakai, Z. (2021) “ Application of Binary Logistic Regression Model to Cancer Patients: a case study of data from Erbil in Kurdistan Region of Iraq, Zanco Journal, 33(4), 117-128.
- Ahmed, S., Fatah, K. and Esa, S. (2021) “Local Dependence for Bivariate Weibull Distributions Created by Archimedean Copula”, *Baghdad Science Journal*, 18(1), 816-823.
- Ahmed, S., Fatah, K. and Esa, S. (2020) “Statistical analysis of bivariate failure time data with Type I and Type II Marshall–Olkin Weibull models”, *Journal of Advanced Research in Dynamical and Control Systems*. 12(2), 253-264.
- Fatah, K. and Mahmoud, R. (2017) “Parameter Estimation for Binary Logistic Regression using Different Iterative Methods”, *Journal Of Zankoy Sulaimani-Part A*, 19(2), 1-20.
- Fatah, K. and Ahmed, S. (2015) “An AHP-Evaluation Model for Ranking Construction Tenders using Simulation: A Case study in Kurdistan Region of Iraq”, *Journal Of Zankoy Sulaimani-Part A*, 17(2), 1-15;
- Fatah, K. (2013) “A Multinomial Logistic Regression Model for Analyzing Attitudes towards Political Activities: A case Study in Erbil/ Kurdistan Region of Iraq”, *Journal Of Zankoy Sulaimani-Part A*, 15(2), 1-15;
- Fatah, K. (2012) *Preference Modeling Approaches Based on Cumulative Functions*, Germany, VDM Verlag Dr. Muller Gmbh & Co. KG;

- Fatah, K. and Ahmed, S. (2012), "Variance Estimates for Price Changes in the Consumer Price Index for Kurdistan Region of Iraq", Journal of Basrah Researches(Sciences), 38(4), 80-91;
- Fatah, K. (2009) Preference Modeling Approaches Based on Cumulative Functions using Simulation with Applications, PhD Thesis, Glamorgan University, UK;
- Fatah, K., Shi, P., Ameen, J., Wiltshire, R. (2010) "Risk-averse preference models for normalized lotteries based on simulation, International Journal of Operational Research 8(2), 189-207;
- Fatah, K., Shi, P., Ameen, J., Wiltshire, R. (2009) "A preference ranking model based on both mean-variance analysis and cumulative distribution function using simulation", International Journal of Operational Research, 5(3), 327-331;
- K.S.Fatah (1998) Periodic Solutions for Ricatti Type Equations, Journal of Sulaimani University.
- K S Fatah (1996 ) Integer programming and branch and bound method, Zanco Journal, Salahaddin University, Erbil
- Khwazbeen Saida Fatah. (1991) Basic programming Language and applications in mathematics, University of Salahaddin, Printing Press, Erbil.
- K.S.Fatah (1985) Simulation of Spatial patterns, University of Wales, U.K.

### **Schools, Workshops & Conferences:**

- *Organizing Committee member for AESIM School, February 25, 2024 to March 7 2024 in Salahaddin University, college of Science, department of Mathematics, Erbil, Iraqi Kurdistan Region*
- *Scientific Committee member for the third international conference of mathematics and its applications (TICMA 2022), March 27-29, 2022 in Salahaddin University, college of Science, department of Mathematics, Erbil, Iraqi Kurdistan Region.*
- *Participation in the 8th International Conference on Contemporary Information Technology and Mathematics (ICCITM), Augst,2022, presenting a paper.*
- *Participation in the West Asia Mathematical Schools; Entitled: Control and Optimization with Industrial Applications; Date and place of the school; 19-29December 2018, Place: Department of mathematics, College of Sciences, Salahaddin University-Erbil, Erbil, Kurdistan-Iraq*
- *Scientific Committee member for the Second International Conference of Mathematics (SICME2019) held at College of Science, Salahaddin UniversityErbil, 3-5-February, 2019.*
- *Participate in an international workshop entitled "Some basic mathematics in cryptographic protocols" in 29th April - 3 rd May, 2018 at Mathematics department, College of Science, Salahaddin University, Erbil.*
- *Participate the West Asia Mathematical Schools { The CIMPA cooperate with the Salahaddin University and the University of Diyala, organize for The period from 20 to 29 December 2015 in the Salahaddin University: West Asia Mathematical Schools WAMS-CIMPA entitled "Boundary Value Problems and Approximations}.*

- *Member of the Scientific committee for the 4th International Scientific Conference of Salahaddin University/Erbil, October 18-20, 2011, Erbil, Kurdistan, Iraq*
- *9th International Conference and Work Shop on Basic and Applied Sciences May, 8-10, 2011.*

### **Funding and academic awards**

- *A scholarship from Iraqi Government to study MSc in Wales University/UK in 1985.*
- *A scholarship from University of Salahaddin to study PhD in Glamorgan University/UK*

### **Professional Social Network Accounts:**

<https://www.linkedin.com/in/khwazbeen-saida-b6110638/>

[https://www.researchgate.net/profile/Khwazbeen\\_Fatah2](https://www.researchgate.net/profile/Khwazbeen_Fatah2)

<https://www.facebook.com/khwazbeen>

[https://scholar.google.com/citations?view\\_op=new\\_articles&hl=en&img=Khwazbeen+Saida+fatah#](https://scholar.google.com/citations?view_op=new_articles&hl=en&img=Khwazbeen+Saida+fatah#)