Academic Research Publications (2025)

First Author Name	Co-Authors	Research Title	Publication Date	Journal Name	Journal ISSN	Journal Classification
Omar A. Malaa	Osama Bashir Shaker Al-Hanoun	Comparison of CNN and SVM Approaches for Classifying Time Series of Caenorhabditis Elegans Motion	01/01/2025	Journal of Al-Rafidain University College For Sciences	2790-2293	Local
Hunar Adam Hamza	Dr. Heyam Abdulmajeed Hayawi Banaz Waleed Yaqoob Meran	Exponential Generalized Autoregressive Conditional Heteroscedastic Time Series Model Analysis with Wavelets	01/01/2025	Tikrit Journal of Administrative and Economic Sciences	3006-9149	Local
Ahmed Luqman	Omar Salem Ibrahim	Building And Analyzing The Confirmatory Factor Model And Multi-Group Structural Equations With Application	01/01/2025	University of Kirkuk Journal For Administrative and Economic Science	3079-3521	—
Sanaa Mohsin	Muthanna Subhi Sulaiman Osama Bashir Shaker Al-Hanoun	Novel Logistic Extreme Value Distribution: Properties, Applications, and Parameter Estimation Using Classical and Machine Learning Methods	30/01/2025	Mathematical Modelling of Engineering Problems	—	International
Marwan S. Jameel	Sura Mohammed Jamal Al-Din Hussein	Using intelligent optimization algorithms, determine the quality of the nitrogenous base substituted for the MT-ND5 gene sequence	30/01/2025	Results in nonlinear analysis	—	International
Oday Esam Al-Saqal	Zeina Ameer Hadied Zakariya Yahya Nouri	Modeling bladder cancer survival function based on neutrosophic inverse Gompertz distribution	30/01/2025	International Journal of Neutrosophic Science (IJNS)	—	International
Nawal Mahmood Hammood	Nadwa Khazaal Rashad Zakariya Yahya Nouri	Neutrosophic Topp-Leone Extended Exponential distributionmodeling with application for bladder cancer patients	30/01/2025	International Journal of Neutrosophic Science (IJNS)	—	International
Zakariya Yahya Nouri	Zakariya Nayef Raid Mahmood Faisal	Spatiotemporal variation analysis of Tigris River water quality in Mosul, Iraq during 2020–2023 based on environ metric techniques	31/01/2025	Environmental Earth Sciences	—	International
Zaynab Ayham Almishlih	Omar Saber Qasim Zakariya Yahya Nouri	Binary Arithmetic Optimization Algorithm Using a New Transfer Function for Fusion Modeling	30/02/2025	Fusion: Practice and Applications (FPA)	—	International
Rehab Talal Ahmed	Omar Salem Ibrahim	Comparison between the FUZZY-ARFIMA Model and the Hybrid ARFIMA-FUZZY Model with Application to Agricultural Data in the City of Mosul	—	STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING	—	International

Noora Suhail Hawa	Marwah Yahya Mustafa B. M. Golam Kibria Zakariya Yahya Algamal	Bootstrap Liu-type estimator for Conway-MaxwellPoisson regression model	11/02/2025	Communications in Statistics - Simulation and Computation	—	International
Zeina Ameer Hadied	Oday Esam Al-Saqal Zakariya Yahya Nouri	Liu-Type Estimator in Inverse GaussianRegression Model Based on (r-(k-d)) ClassEstimator	12/02/2025	IRAQI JOURNAL FOR COMPUTER SCIENCE AND MATHEMATICS	—	International
Heyam Hayawi	Mohammed Alawjar	Machine learning methods for modelling and predicting dust storms in Iraq	01/03/2025	Statistics, Optimization & Information Computing	2310-5070	International
Israa Nazim Ismail	Safwan Nazim Rashid	A comparative study between the two generalizations of the distribution of the power function with application	01/03/2025	University of Kirkuk Journal For Administrative and Economic Science	3079-3521	—
Adel Sufyan Hussain	Muthanna Subhi Sulaiman Sura Mohammed Jamal Al-Din Hussein Imad Abdul Al-Zoub'i Mohammed Abdullah Tashtoush	Advanced Parameter Estimation for the Gompertz-Makeham Process: A Comparative Study of MMLE, PSO, CS, and Bayesian Methods	06/03/2025	Statistics, Optimization & Information Computing	2310-5070	International
Adel S. Hussain	Muthanna Subhi Sulaiman Sura Mohammed Jamal Al-Din Hussein	Advanced Parameter Estimation for the Gompertz-Makeham Process,:AComparative Study of MMIlE ,PSO,CS and Bayesian Methods	06/03/2025	STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING	—	International
Israa Najeeb Saeed Alsarraf	Zakariya Yahya Algamal	A New Ridge - type in the Bell Regression Model	15/03/2025	Electronic Journal of Applied Statistical Analysis	2070-5948	International
Shaimaa Waleed Mahmood	Ghalia Tawfiq Basheer Dr. Zakariya Yahya Algamal	Improving kernel ridge regression for medical data classification based on meta-heuristic algorithms	19/03/2025	Kuwait Journal of Science	2307-4116	International
—	Shakar Maghdid Azeez Sawen Othman Babakr Taha Hussein Ali	ARX Time Series Model Analysis with Wavelets Shrinkage (Simulation Study	08/04/2025	Pakistan Journal of Statistics	2310-3515	International
Rasha A. Farghali	Adewale F. Lukman Murat Genc Zakariya Yahya Nouri	An Alternative Estimator for Poisson–Inverse-Gaussian Regression: The Modified Kibria–Lukman Estimator	14/04/2025	MDPI	—	International
Hasnaa Ahmed Ismael	Zakariya Yahya Nouri	A new shrinkage estimator in negative binomial regression model	15/04/2025	Electronic Journal of Applied Statistical Analysis	—	International
Raed Arif Snaan	Osama Bashir Shaker Al-Hanoun	Using Echo State Network based on Ridge Regression for Time Series Forecasting	17/04/2025	Iraqi Statisticians Journal	—	—
Raya Salem Mohammed Ali	Khalida Ahmed Mohammed Safwan Nazim Rashid	Different Methods to estimate Stress-Strength Reliability Function for Modified Exponentiated Lomax Distribution	26/04/2025	Iraqi Journal for Computer Science and Mathematics	2788-7421	International

Nawal Mahmood Hammood	Nadwa Khazaal Rashad Zakariya Yahya Nouri	A New Ridge-Type Estimator in the Zero-Inflated Bell Regression Model	26/04/2025	IRAQI JOURNAL FOR COMPUTER SCIENCE AND MATHEMATICS	—	International
Shaimaa Waleed Mahmood	Ghalia Tawfiq Basheer Zakariya Yahya Algamal	Quantitative Structure–Activity Relationship Modeling Based on Improving Kernel Ridge Regression	01/05/2025	Journal of Chemometrics	1099-128X	International
Shyma Shakeeb Mohammed	Yaseen Hikmat Ismaiel	LWLRD: New Lightweight Encryption Algorithm for Low Resource Devices	05/05/2025	International Journal of Computing and Digital Systems	2210-142X	International
Shahla Tahseen Hasan	Osama Bashir Shaker Al-Hanoun	Chaotic Time Series Forecasting by using Echo State Network and Autoregressive Model	11/05/2025	Iraqi Statisticians Journal	—	—
Najat Ahmed Taha	Muthanna Subhi Sulaiman	Exploring Generalized Goel-Okumoto Process Parameters Estimation Strategies with Application	11/05/2025	Iraqi Statisticians Journal	—	—
Sura Mohammed Jamal Al-Din Hussein	Zakariya Yahya Nouri	Generalized Ridge Estimator for Conway -Maxwell poisson regression model	11/05/2025	Iraqi Statisticians Journal	—	—
Sura Mohamed Jamal Alden	Zakariya Yahya Algamal	Generalized ridge estimator for Conway -maxwell poisson regression model (Duplicate)	15/05/2025	Iraqi Statisticians Journal	.	Not listed in these databases
Mohammed Khames Rasheed	Osama Bashir Shaker Al-Hanoun	Using Lasso Procedure for Variables Selection of Autoregressive Model for High Dimensional Time Series of Caenorhabditis Elegans Motion	15/05/2025	Iraqi Statisticians Journal	—	—
Hind Mohammed Yousif	Zakariya Yahya Nouri	Improving geographically weighted Poisson regression model based on metaheuristic algorithms: Application to cancer rate data	15/05/2025	Computational Journal of Mathematical and Statistical Sciences	—	International
Hind Mohammed Yousif	Zakariya Yahya Nouri	Bandwidth Selection in Geographically Weighted Poisson Regression Model Using Firefly Optimization Algorithm with Application to Cancer Rate Data	30/05/2025	Eur. J. Stat	—	International
Farooq Dhafer Al-Mutara	Zakariya Yahya Nouri	Neutrosophic Exponentiated Power Lomax Distribution	30/05/2025	Electronic Journal of Applied Statistical Analysis	—	International
Younis Mohammed Dhannoon	Dr. Heyam Abdulmajeed Hayawi Dr. Mohammed Ahmed Al-Kholy	Using Wavelets to Identify Linear Dynamic Models	01/06/2025	Iraqi Journal of Statistical Sciences	2664-2956	Not listed in these databases
Reem Talal Taha	Dr. Heyam Abdulmajeed Hayawi Mohammed Ahmed Al-Kholy	Estimating Delay Time in Linear Dynamic Systems Using Wavelets	01/06/2025	Iraqi Journal of Statistical Sciences	1680-855X	Not listed in these databases

Dr. Taha Hussein Ali	Dr. Heyam Abdulmajeed Hayawi Hunar Adam Hamza	Bayesian Time Series Modeling with Wavelet Analysis for Monthly Inflation Forecasting	01/06/2025	Iraqi Journal of Statistical Sciences	0	Not listed in these databases
Rami Saeed Ghareeb	Rekan Abdulaziz Ahmed	Nonparametric Estimation Method for the Distribution Function Using Various Types of Ranked Set Sampling	01/06/2025	Iraqi Journal of Statistical Sciences	1680-855X	Not listed in these databases
Dr. Alaa Abdul-Sattar Dawood Hamoodat	Dr. Zainab Tawfiq Hamid Dr. Zakariya Yahya Algamal	Discrimination between quantile regression models for bounded data	01/06/2025	Statistics, Optimization & Information Computing	2310-5070	International
Marwan Maysar	Bashar Abdulaziz Majeed	Determining Climate Extremes of Mosul Weather Using Robust Noise Clustering Strategy	01/06/2025	IRAQI JOURNAL OF STATISTICAL SCIENCES	—	—
Suha Saleem Mahjoob	Osama Bashir Shaker Al-Hanoun	Using the State Space Model based on ARIMA Model for Air Temperature Forecasting	01/06/2025	IRAQI JOURNAL OF STATISTICAL SCIENCES	—	—
Taha Hussein Ali	Dr. Heyam Abdulmajeed Hayawi Hunar Adam Hamza	Bayesian Time Series Modelling with Wavelet Analysis for Forecasting Monthly Inflation	01/06/2025	Iraqi Journal of Statistical Sciences	—	—
Solmaz Seifollahia	Zakariya Yahya Nouri Mohammad Arashia	New insights into multicollinearity in the Cox proportional hazard models: the Kibria-Lukman estimator and its application	01/06/2025	JOURNAL OF APPLIED STATISTICS	—	International
MOHAMMED NAJI AL-GHAMDI	MOHAMED R. ABONAZEL ISSAM DAWOUD Zakariya Yahya Nouri	A NEW ESTIMATOR OF THE GAMMA REGRESSION MODEL: THEORY, SIMULATION, AND APPLICATION TO BODY FAT DATA	01/06/2025	Commun. Math. Biol. Neurosci	2052-2541	Scopus
Abdul Salam Idriss Abdul Kareem	Wissam Wa'ad Allah Saleem	Cluster Analysis and Logistic Regression for Identifying Principal Variables and Predicting Type 2 Diabetes	15/06/2025	Al-Qadisiyah Journal for Administrative and Economic Sciences	2312-9883	Not listed in these databases
—	Heyam Hayawi Mohammed Alawjar	Ensemble Method for Intervention Analysis to Predict the Water Resources of the Tigris River	20/06/2025	STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING	0	Scopus
Alla Abdul AlSattar Hamoodat	Zainab Tawfiq Hamid Zakariya Yahya Algamal	Discrimination between quantile regression models for bounded data	22/06/2025	STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING	2311-004X	Scopus
Raed Arif Snaan	Osama Bashir Shaker Al-Hanoun	Using Bayesian Ridge Regression Model and ESN for Climatic Time Series Forecasting	23/06/2025	Statistics, Optimization & Information Computing	—	Scopus
Zaynab Ayham Almishlih	Omar Saber Qasim Zakariya Yahya Nouri	DESIGN AND EVALUATION OF A NEW TENT-SHAPED TRANSFER FUNCTION USING THE POLAR LIGHTS OPTIMIZER ALGORITHM FOR FEATURE SELECTION	27/06/2025	IAPGOŚ	2391-6761	Scopus
Muthanna Subhi Sulaiman	Adel Sufyan Hussain Ma'mon Abu Hammad Mohammed Abdullah	Parameters Estimation in a Non-Homogeneous Poisson Process with Fuzzy Data Through a Modified Fuzzy Maximum Likelihood Approach Using Artificial Intelligence	01/07/2025	IEEE Xplore	2831-3399	Yes

	Tashtoush Imad Abdul Al-Zoub'i					
Zakariya Yahya Nouri	—	A modified ridge estimator in Cox regression model	01/07/2025	COMMUNICATIONS IN STATISTICS - SIMULATION AND COMPUTATION	—	Scopus
Omar Salem Ibrahim	Zakariya Yahya Nouri	Improving nonlinear regression model estimation based on Coati Optimization Algorithm	01/07/2025	STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING	—	Scopus
Mohammed Amin	Raya Salem Mohammed Ali	Bayesian Estimation of Stress-Strength Reliability Function P(T<X<Z) for EIR Distribution	01/07/2025	Remah Research and Studies Journal	2520-7423	—
Mustafa Raed Najeeb	Omar Saber Qasim Zakariya Yahya Nouri	Improving α-Parameterized New Iterative Method with the Black-Winged Kite Algorithm for Solving Systems of Fuzzy Fractional Partial Differential Equation	18/07/2025	Int. J. Fuzzy Syst	—	Scopus
Rusul Ali Abd Al-Haleem	Dr. Heyam Abdulmajeed Hayawi	Hybrid Waveform Diagnostics of Seasonal Time Series Models and Exponential Smoothing with the Application	30/07/2025	Innovative: International Multi-disciplinary Journal of Applied Technology	—	—
Ahmed Abdulhadi Ahmed	Zakariya Yahya Nouri	Bias Reduction of Maximum Likelihood Estimation In Generalized Ramos-Louzada Distribution	30/07/2025	Iraqi Journal of Science	—	Scopus
Mohammed Diab Sattam	Fidaa Ziad Hassan	Criminal Treatment of Women and Its Impact on Reducing Violence Against Them: A Study in Iraqi Legislation	01/09/2025	Al-Rafidain Journal of Rights	1819-1746	—
Safwan Nazim Rashid	Haifa Abdul-Jawad Saieed Raya Salem Mohammed Ali	McDonald Rayleigh Distribution with Application	02/09/2025	Statistics, Optimization & Information Computing	2311-004X	Scopus
Taha Hussein Ali	Huthaifa Hazim Taha Pekhal Sadiq Samad Heyam Abdulmajeed Hayawi	Novel Hampel Filtering and Robust Regression in Control Chart Applications for Regression Process Monitoring	10/10/2025	Journal of Statistical Theory and Applications	00000	Scopus
Taha Hussein Ali	Huthaifa Hazim Taha Pekhal Samad Sadiq Heyam Abdulmajeed Hayawi	An innovative hybrid control chart combining wavelet decomposition and support vector machine for effective outlier detection	15/10/2025	Frontiers in Applied Mathematics and Statistics, TYPE Original Research	2297-4687	Scopus
Mustafa I. Alheety	Mazin M. Alanaz Niam Abdulmunim Al-Thanoon Zakariya Yahya Algamal	New kinds of biased estimators for linear regression model	24/10/2025	Communications in Statistics - Simulation and Computation	1532-4141	Scopus
Dr. Huthaifa Hazim Taha	Taha Hussein Ali Heyam Abdulmajeed	Wavelet Daubechies Enhanced Average Chart Incorporating Classical Shewhart and Bayesian Techniques	01/11/2025	Statistics, Optimization And Information Computing	2310-5070	Scopus

	Hayawi Saif Ramzi Ahmed					
Saman Hussein Mahmood	Heyam Abdulmajeed Hayawi Taha Hussein Ali Pekhal Sadiq Samad Shahla Hani	Forecasting the CPI of the Kurdistan Region of Iraq Using the Combined ARIMA and GARCH Model With Wavelet Analysis	06/11/2025	Journal of Applied Mathematics (Wiley)	1687-0042	Scopus
Marwan Maysar	Bashar Abdulaziz Majeed	A Robust Method for Diagnosing Climate Extremes in Mosul City	17/11/2025	AIP Conf. Proc. 3395, 030006 (2025)	—	Scopus
Ibtihal Muneeb Yahya	Zakariya Yahya Nouri Al-Jamal	Forecasting Big Data Daily Silver Price Based on Hybridizing Support Vector Regression and Meta-Heuristic Algorithms	24/11/2025	BAGHDAD SCIENCE JOURNAL	2411-7986	Scopus
Hayfa Abdul Jawad Saieed	Khalida Ahmed Mohammed Mhasen Saleh Altalib	Multivariate Cubic Transmuted Family of Distribution with Applications	01/12/2025	STATISTICS, OPTIMIZATION AND INFORMATION COMPUTING	ISSN 2310-50	Scopus
Talal Abdulrazzaq Saeed	Mahmood M. Taher Taha Hussein Ali	A Novel Dmey Wavelet Charts for Controlling and Monitoring the Average and Variance of Quality Characteristics	01/12/2025	Statistics, Optimization & Information Computing	2310-5070	Scopus
Rafal Talal Saadi	Alaa Abdul-Sattar Dawood Hamoodat	iqFuzzy Discriminant Analysis with Application	01/12/2025	Iraqi Journal of Statistical Sciences	2664-2956	—
Yousif Ahmed Khalaf	Dr. Najlaa Saad Ibrahim	Diagnosing Cross-Sectional Time Series Models of Money Supply For Arab Countries	01/12/2025	Iraqi Journal of Statistical Sciences	2664-2956	—
Suhaib Bashar Hameed	Mahmood M. Taher	A Proposed Method Based on Logistic Regression and Cluster Analysis in Selecting Influential Variables for Kidney Failure Patients	01/12/2025	Iraqi Journal of Statistical Sciences	2664-2956	—