



Al-Torra- Irbid- Jordan



## Mahmoud Zuhier Aldrabseh



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## CONTACT

### Personal Data:

Name: Mahmoud Zuhier Aldrabseh

Date of birth: 09/09/ 1987

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**Languages:** Arabic and English

### Current Professional Position:

Full-time Lecturer, Department of Mathematics, Ajloun National University, Ajloun-Jordan.

**The study specialization:** Applied Statistics.

## PROFILE

I am currently serving as a Lecturer of Statistics in the Department of Mathematics at Ajloun National University (ANU), Jordan, since March 2025. In this role, I am actively involved in teaching and pursuing advanced research in statistical science, particularly in the area of sampling theory and estimation techniques.

I hold a Ph.D. in Statistics from Universiti Sains Malaysia (USM), Malaysia, where my research focused on enhancing the efficiency of estimators using Ranked Set

## EDUCATION

- **Ph.D** – Degree in Statistics, School of Mathematical Sciences, Faculty of Science and Technology, Universiti Sains Malaysia (USM) - Malaysia (2025).
- **M.Sc.** – Degree in Statistics, Department of Mathematics, Faculty of Science, Yarmouk University - Jordan (2013).
- **B.Sc.** – Degree in Statistics, Department of Mathematics, Faculty of Science, Yarmouk University - Jordan (2009).

## WORK EXPERIENCE

1. **Mar. 2025 – Present:** Full-time Lecturer, Department of Mathematics, Ajloun National University (ANU), Ajloun / Jordan.
2. **Oct. 2016 – Aug. 2023:** Statistics Lecturer, Department of Mathematics, Jouf University (JU), Saudi Arabia.
3. **Sep. 2014 – Sep. 2016:** Statistics Lecturer, Department of Mathematics, Tabuk University (TU), Saudi Arabia.
4. **Aug. 2013 – Aug. 2014:** Statistics Lecturer, Department of Mathematics, King Saud University (KSU), Saudi Arabia.

## PROFESSIONAL ACTIVITIES

### Workshops:

1. How to Choose the Right Journal for Publication, Universiti Sains Malaysia, Malaysia, 2024.
2. Preparing and Writing a Research Proposal, Universiti Sains Malaysia (USM), Malaysia, 2024.
3. Plagiarism in PhD Thesis: What You Need to Know, Universiti Sains Malaysia, Malaysia, 2024.
4. Enhancing Research Skills through Systematic Literature Review, Universiti Sains Malaysia (USM), Malaysia, 2024.

Sampling (RSS) and its modified forms. I also hold M.Sc. and B.Sc. degrees in Statistics from Yarmouk University, Jordan. My research contributions span a variety of themes within the area of statistics, including parametric and non-parametric estimation, ordered statistics, reliability analysis, strength-stress reliability models, and Bayesian inference. I have developed and analyzed innovative sampling strategies like Except Extreme RSS and Double Except Extreme RSS, and applied them to real-world problems in finance, industry, and engineering.

Prior to my current position, I gained over a decade of teaching and research experience in Saudi Arabia, where I served as a statistics lecturer at King Saud University (2013–2014), Tabuk University (2014–2016), and Jouf University (2016–2023). These roles enabled me to lead statistical courses, collaborate in interdisciplinary research, and contribute to academic development through training workshops and seminars.

I have published several papers in indexed journals such as the *Journal of Statistical Computation and Simulation*, *Austrian Journal of Statistics*, and *Advanced Mathematical Models & Applications*. My work has also been accepted in specialized journals like *Life Cycle Reliability and Safety Engineering* and is currently under review in the *Yugoslav Journal of Operations Research*.

5. Formulating a Good Research Problem (Physical Sciences), Universiti Sains Malaysia (USM), Malaysia, 2024.
6. Getting Published in High Impact Journals, USM, 2024.
7. Academic Publishing and Collaboration Strategies, Universiti Sains Malaysia (USM), Malaysia, 2024.
8. Writing the Introduction Chapter, Universiti Sains Malaysia (USM), Malaysia, 2024.
9. Writing Postgraduate Research Proposals, Universiti Sains Malaysia (USM), Malaysia, 2024.
10. Crafting an Effective Research Problem Statement, Universiti Sains Malaysia (USM), Malaysia, 2024.
11. From Research Questions to Research Design, Universiti Sains Malaysia (USM), Malaysia, 2024.
12. Personal Effectiveness and Time Management, Universiti Sains Malaysia (USM), Malaysia, 2024.
13. Publishing in High Impact Journals, Universiti Sains Malaysia (USM), Malaysia, 2024.
14. Writing the Literature Review, Universiti Sains Malaysia (USM), Malaysia, 2024.
15. Writing the Methodology Chapter, Universiti Sains Malaysia (USM), Malaysia, 2024.
16. Writing an Effective Conclusion and Recommendation Chapter, Universiti Sains Malaysia (USM), Malaysia, 2024.
17. Writing the Introduction Chapter, Universiti Sains Malaysia (USM), Malaysia, 2024.

## RESEARCH INTERESTS

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My general research interests are in the applied statistics area. More specifically, my research interests can be summarized as follows:

- ❖ Sampling Theory and Ranked Set Sampling Methods.
- ❖ Ordered Statistics.
- ❖ Parametric and Non-Parametric Estimation Methods.
- ❖ Maximum Likelihood and Bayesian Estimation.
- ❖ Reliability Models and Strength Stress Reliability Models.
- ❖ Response Service Methodology.
- ❖ Distribution Theory.
- ❖ Sampling Theory

I am proficient in statistical and mathematical software such as R, MATLAB, SPSS, Minitab, and Mathematica, and skilled in data analysis, simulation, and scientific writing using LaTeX. My current research continues to explore methodological improvements in estimation under ranked sampling schemes, with the aim of solving complex problems in applied statistics.

## SKILLS

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- ❖ Typesetting Software: LaTeX and Microsoft Word.
- ❖ Mathematical and Statistical Software: Walframe Mathematics, Maple, Matlab, and R-Studio.
- ❖ Statistical Software & Data Analysis: SPSS, Minitab.
- ❖ E-learning Platforms (Blackboard and Moodle).
- ❖ Lecture Tools: (Google Meet, WEBEX, and Teams).

## PUBLISHED AND ACCEPTED PAPERS

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### Published

1. Aldrabseh, M., Ismail, M. T., & Al-Omari, A. I. (2024). Except-Extremes Ranked Set Sampling for Estimating the Population Variance with Two Applications of Real Data Sets. *Austrian Journal of Statistics*, 53(4), 99-113.
2. Aldrabseh, M. Z., Ismail, M. T., & Al-Omari, A. I. (2024). Double Except Extreme Ranked Set Sampling for Estimating Population Mean. *Advanced Mathematical Models & Applications*, 9(3).
3. Aldrabseh, M. Z., & Ismail, M. T. (2023). New modification of ranked set sampling for estimating population mean. *Journal of Statistical Computation and Simulation*, 93(16), 2843-2855.
4. Al-Saleh, M. F., & Aldarabseh, M. Z. (2017). Inference on the skew normal distribution using ranked set sampling. *International Journal of Computational and Theoretical Statistics*, 4(01), 65-76.

### Upcoming

1. Aldrabseh, M., Ismail, M. T., & Al-Omari, A. I. Enhanced Estimation of Strength-Stress Reliability Using Except Extreme Ranked Set Sampling under Exponential Distribution. *Life Cycle Reliability and Safety Engineering (Accepted)*.
2. Aldrabseh, M., Ismail, M. T., & Al-Omari, A. I. On Asymmetric Population Mean Estimation Using Except Extreme Ranked Set Sampling with Applications to Financial Data. *Yugoslav Journal of Operations Research (Under Review)*.

## WEBSITES

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- ❖ **ORCID:** [0000-0002-6399-5688](https://orcid.org/0000-0002-6399-5688)
- ❖ **Scopus ID:** [58249756700](https://scopus.org/58249756700)

- ❖ **Web of Science ID:** [ITO-4098-2023](#)
- ❖ **ResearchGate:** [Mahmoud Zuhier Aldrabseh](#)
- ❖ **Google Scholar:** [Mahmoud Aldrabseh](#)

## REFERENCES

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- ❖ **Prof. Dr. Amer Ibrahim Al-Omari:**  
Professor of Statistics, Department of Mathematics, Al-Albayt University, Jordan.  
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- ❖ **Dr. Mohd Tahir Bin Ismail:**  
Professor of Statistics, School of Mathematical Science, Universiti Sains Malaysia, Malaysia  
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- ❖ **Dr. Mohammad Fraiwan Al-Saleh:**  
Professor of Statistics, Statistics Department, Yarmouk University, Jordan  
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I hereby declare that the information provided in this C.V is true complete and correct to the best of my knowledge and belief.

Signature: Dr. Mahmoud Zuhier Aldrabseh

Date: April, 2025.