

## CURRICULUM VITAE

### PERSONAL DETAIL

**Name:** Abdullah Suleiman Saleh Al-Jawarneh  
**Nationality:** Jordanian  
**Religion:** Muslim  
**Data of birth:** Apr. 1, 1986  
**Marital state:** Married  
**Sex:** Male  
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### ACADEMIC QUALIFICATION

#### 1) Ph.D.:-

**Degree:** Doctor of Philosophy  
**Major Specialization:** Statistics  
**Institute Issuing Degree:** Universiti Sains Malaysia (USM)  
**Field of Narrow Specialization:** Applied Statistics  
**Date of Registration:** July 16, 2018  
**Date of Graduation:** June 09, 2021  
**Type of the Study:** Regular  
**Country of Institute:** Malaysia  
**Language of Study:** English

#### 2) M.Sc.:-

**Degree:** Master  
**Major Specialization:** Statistics  
**Institute Issuing Degree:** Universiti Sains Malaysia (USM)  
**Field of Narrow Specialization:** Applied Statistics  
**Average:** (3.53) Excellent  
**Date of Graduation:** 2012  
**Type of the Study:** Regular  
**Country of Institute:** Malaysia  
**Language of Study:** English

#### 3) B.Sc.:-

**Degree:** Bachelor  
**Major Specialization:** Mathematics and Statistics  
**Institute Issuing Degree:** Yarmouk University  
**Average:** (69.6) Good  
**Date of Graduation:** 2008  
**Type of the Study:** Regular  
**Country of Institute:** Jordan  
**Language of Study:** English

## WORKING EXPERIENCE

<u>Position</u>	<u>Employer</u>	<u>Period</u>
<b>Secondary School Teacher</b>	Ministry of Education of Jordan	From: 18/08/2008 To: 03/09/2010 2 years
		From: 05/03/2012 To: 30/08/2012 6 months
<b>Lecturer</b>	Najran University Saudi Arabia	From: 26/09/2012 To: 18/08/2019 7 years
<b>Lecturer (Part-time)</b>	Jerash university	Summer Semester 2020/2021 2 months
<b>Assistant Professor</b>	Jerash university	From: 17/10/2021 To: Present

## COMMITTEES

- 2021-2023 **Coordinator** of Academic Accreditation at Quality Assurance Unit at the department of mathematics - Jerash university.
- 2021-2021 **Coordinator** of Statistical Analysis - Jerash university.
- 2018-2019 **Member** of Academic Accreditation at Quality Assurance Unit of Preparatory Year - Najran University.
- 2012-2017 **Member** of Planning and Follow up committee at Quality Assurance Unit of the Deanship - Najran University.
- 2017-2019 **Coordinator** of Statistical Analysis at the Deanship - Najran University.
- 2012-2019 **Member** of Examination Committee at Development of Basic Skills Department - Najran University.
- 2013-2018 **Member** of Evaluating the exam paper at the Department of Basic Skills Development - Najran University.

## OUTPUT OF SCIENTIFIC PRODUCTION

<b>Ph.D. Thesis Entitled:</b>	Enhancing Model Selection Based on Penalized Regression Methods and Empirical Mode Decomposition
<b>Master's Thesis Entitled:</b>	The Impact of External Shocks on Business Cycle Fluctuation in Several Developed Asian Countries.

## PUBLICATIONS

1. Ambark, A. S., Ismail, M. T., **Al-Jawarneh, A. S.**, & Karim, S. A. A. (2023). Elastic net penalized Quantile Regression Model and Empirical Mode Decomposition for Improving the Accuracy of the Model Selection. *IEEE Access*. doi: 10.1109/ACCESS.2023.3257032
2. **Al-Jawarneh, A. S.**, & Ismail, M. T. (2022). The Adaptive LASSO Regression and Empirical Mode Decomposition Algorithm for Enhancing Modelling Accuracy *Communications in Statistics - Simulation and Computation*. 1-13. doi:10.1080/03610918.2022.2032154
3. **Al-Jawarneh, A. S.**, Ismail, M. T., Awajan, A. M., & Alsayed, A. R. (2022). Improving accuracy models using elastic net regression approach based on empirical mode decomposition. *Communications in Statistics-Simulation and Computation*, 51(7), 4006-4025. doi: 10.1080/03610918.2020.1728319.
4. **Al-Jawarneh, A. S.**, Ismail, M. T., & Awajan, A. M. (2021) . Elastic net regression and empirical mode decomposition for enhancing accuracy of the model selection. *International Journal of Mathematical, Engineering and Management Sciences*, 6(2), 564 - 583.
5. **Al-Jawarneh, A. S.**, & Ismail, M. T. (2021). Elastic-Net regression based on empirical mode decomposition for multivariate predictors. *Pertanika Journal of Science and Technology*, 29(1), 199-215.
6. Ahmad M. Awajan A. M., Al-Hasanat B., Elkaroui E., AL e'damat A., Al-Gounmeein R. S., **Al-Jawarneh A. S.**, Ayyoub H. N., & AlFarajat E. (2024). Time Series Forecasting of New Cases for COVID-19 Pandemic in Jordan Using Enhanced Hybrid EMD-ARIMA. *J. Stat. Appl. Pro.* 13 (1), 261-271. doi:10.18576/jsap/130118
7. **Al-Jawarneh, A. S.**, & Sek, S. K. (2012). The impact of external shocks on business cycle fluctuation in several developed Asian countries. *Applied Mathematical Siences*, 6(65), 3209-3223.
8. Sek, S. K., **Al-Jawarneh, A. S.**, & Har, W. M. (2012, January). Investigating the Dynamic of Business Cycle Fluctuations in Developed Asian Economies. In *International Conference on Operations Research and Statistics (ORS) Proceedings* (p. 90). Global Science and Technology Forum.

## TRAINING COURSES & SCIENTIFIC PARTICIPATIONS

No.	Course Name	Date	Supervising Authority	Duration
1	<b>International Computer Driving License (ICDL)</b>	2009 M	Ministry of Education of Jordan	3 months
2	<b>New Teachers</b>	2008 M		40 hours
3	<b>English conversation</b>	From 10/8/2009 to 10/10/2009	Oxford Cultural Center	32 hours
4	<b>Research Methodology and Scientific Writing for Mathematical Sciences</b>	25-27/11/2010 and 31/12/2010	University Sains Malaysia (USM)	3 days
5	<b>Time series Data Analysis</b>	19-20/ 10/ 2011		2 days
6	<b>End Note</b>	31/1/2012		3 hours
7	<b>Information Literacy Skills (ILS)</b>	8/2/2012		3 hours
8	<b>Recent trends in teaching new direction</b>	1-2/10/2012		10 hours
9	<b>Examination and Evaluation of student's systems</b>	3-4/12/2012		10 hours
10	<b>The integration of technology in University teaching</b>	12-13/11/2013	Najran University	10 hours
11	<b>Electronic testing systems</b>	9-10/12/2013		10 hours
12	<b>Modern strategies in university teaching</b>	4-5/3/2014		10 hours
<b>And more ...</b>				

### LANGUAGES:

Language	Level
Arabic	Excellent
English	Very Good

### COURSES TAUGHT

- Applied Statistics
- Applied Probability
- Biostatistics
- Introduction to Statistics and Probability
- Mathematical Statistics
- Probability Theory

- Fundamental of Mathematics (1) (Pre-Calculus)
- Fundamental of Mathematics (2) (Calculus I)
- Introduction to Integral Calculus (Calculus II)

### **SKILLS**

1. Capacity to use statistical software and statistical analyzes.
2. Learn new skills in a short time.
3. Working under pressure.
4. Team work.
5. The ability to use Modern techniques and employment through work.

### **ACADEMIC REFERENCES**

**Dr. Mohd. Tahir Ismail**, Associate Professor  
School of Mathematical Sciences, Universiti Sains Malaysia, Pulau Pinang,  
Malaysia.  
E-mail: [m.tahir@usm.my](mailto:m.tahir@usm.my)

**Dr. Ahmad M. Awajan**, Assistant Professor  
Department of Mathematics, Al-Hussein Bin Talal University, Ma'an, Jordan  
E-mail: [ahmad.m.awajan@ahu.edu.jo](mailto:ahmad.m.awajan@ahu.edu.jo)

**Dr. Sek Siok Kun**, Associate Professor  
School of Mathematical Sciences,  
Universiti Sains Malaysia, Pulau Pinang, Malaysia.  
E-mail: [sksek@usm.my](mailto:sksek@usm.my)

**Dr. Ra'ed M. Al-Khatib**, Associate Professor  
Faculty of Information Technology and Computer Sciences, Yarmouk  
University, Irbid, Jordan  
E-mail: [raed.m.alkhatib@yu.edu.jo](mailto:raed.m.alkhatib@yu.edu.jo)

**Dr. Abdullah Al- Jawarneh**