SADAM MAHMOUD ISSA ALWADI
Irbid- Jordan
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OBJECTIVES

To be creative, enthusiastic researcher, and lecturer in a well reputed recognized academia where I can innovative and apply my expertise in mathematical and statistical sciences particularly in the field of financial and insurance time series that can be contributed among the faculty, students, global research community, and hence furnish my skills in the research and sciences.

PERSONAL INFORMATION

Full Name	:	**Sadam Mahmoud Issa Alwadi**
Date of Birth	:	**13th September 1983**
Place of Birth	:	**Irbid, Jordan**
Nationality	:	**Jordanian**
Passport#	:	**J237576**
Gender	:	**Male**
Religion	:	**Islam**
Marital Status	:	**Married**

QUALIFICATIONS

- **Degree: Ph.D**

Program: Statistics.
Major Specialization: Financial Data Analysis and Forecasting.
Field of narrow Specialization for PhD Degree: Financial Mathematics.
University: University Science Malaysia, Malaysia. (QS World University Rankings # 142)
Date of Graduation: June 2012.
Country of Institute: Malaysia
Language of Study: English.
Title of PhD Thesis: Wavelet Methods in Modeling Amman Stock Market Index.

- **Degree: Master**

Major Specialization: Mathematics
University: National University of Malaysia, Malaysia. QS World University Rankings # 141)
Field of narrow Specialization for Master Degree: Complex analysis.
Date of Graduation: 2007.
Country of Institute: Malaysia.
Language of Study: English.
Title of Master Thesis: Univalent Harmonic Functions and Related Problems.

- **Degree: B.SC.**

Major Specialization: Mathematics and Statistics.
Institute Issuing Degree: Al-albyt University, Jordan.
Date of Graduation: 2005.
Country of Institute: Jordan.
Language of Study: English.

- **RESEARCH INTRSET**

Risk Management, Financial time series, Financial mathematics, Insurance data analysis, Econometrics, Wavelet transform and Spectral analysis.

- **AWARDS**

- Distinguished Researcher Award in the Field of Humanities at the University of Jordan for the years 2018 and 2019.

- Distinguished Researcher high publication in Scopus Index Award in the School of Business at the University of Jordan for the year 2020.

COURSES TOUGHT

- **Operation Research**
- **Introduction to Insurance**
- **Mathematics for Business**
- **Employee Benefits and Social Security**
- **Statistical Methods.**
- **Statistical Modeling.**
- **Introduction to Statistics**
- **Principles of Actuarial sciences**
- **Calculus 1**
- **Advanced Statistics (Master degree)**

COMPUTER PROGRAMMING SKILLS

MATLAB, MATHEMATICA, SPSS and STATISTICA

LANGUAGES

Language	Reading	Writing	Speaking
• Arabic	Excellent	Excellent	Excellent
• English	Excellent	Excellent	Excellent
• Bahasa Malaysia	Good	Good	Good

PROFESSIONAL EXPERIENCE

- **September/ 2018 - Present: Associate professor at Risk Management and Insurance Department, Faculty of Management and Finance. The University of Jordan/ Aqaba Branch.**
- **September/ 2014 – September/ 2018: Assistant professor at Risk Management and Insurance Department, Faculty of Management and Finance. The University of Jordan/ Aqaba Branch.**
- **September/ 2014 – September/ 2017: Head of Risk Management and Insurance Department, Faculty of Management and Finance. The University of Jordan/ Aqaba Branch.**
- **February/ 2013- September/ 2014: Department of Mathematics and Statistics. Faculty of Science. Al- Hussien Bin Talal University. Jordan**
- **January/ 2009 – June\2011: School of Mathematics, University Science Malaysia, Penang, Malaysia. Researcher at The Project titled by:**
  Analyzing Financial Time Series Data by Using Wavelet Transforms.
  (120000 Malaysian Ringgit).

SUPERVISOR CONTRIBUTIONS AND EXAMINATION

- **Co- Supervisor of Ph.D Students at the School of Mathematics/ University Science Malaysia. Malaysia:**
  1) **Ahmed Awajan (Graduated 2018)**
  2) **Khadiar Alrashidi (Ongoing)**
  3) **Tarig Alshamary (Ongoing)**
- **Examiner:**
  1) **Ph.D Student at Nanyang Technological Singapore/ Singapore.**
  Thesis Title: Wavelet Analysis in Modeling and Forecasting
  2) **Many Master Degree Students.**

RESEARCH PUBLICATIONS, BOOKS & CONFERENCES

Published books:

1- **Abdallah Abu Abdallah and S. Al Wadi (2017). Estimation Accuracy modification for stock market data using Wavelet Transform. Wavelet Theory and its Applications. (Submitted).**

2- **S. Al Wadi, MT Ismail, SAA Karim, (2014). Structure Break Identification in Stock Market Data by Using Wavelet Transform. Soft-Computing in Capital Market: Research and Methods of Computational Finance for Measuring Risk of Financial Instruments. Universal-Publishers.**

3- **Mohd Tahir Ismail, S. Al Wadi, and Samsul Ariffin Abdul Kareem. (2010)** ***Forecasting Malaysian Stock Market Based on Wavelet Transformation Using Box-Jenkins Model.*** **Research in Mathematics and Economic. 2010 school of Mathematical Sciences, University Science Malaysia. Malaysia.**

4- **S. Al Wadi. (2012). Wavelet Methods in Modeling Amman Stock Market Index. Ph.D Thesis.** ***University Science Malaysia*****. Malaysia**.

Published Articles

1- **Jaber, J. J., Ismail, N., Ramli, S.,** Al Wadi, S., **& Boughaci, D. (2020). Assessment of Credit Losses Based on ARIMA-Wavelet Method. Journal of Theoretical And Applied Information Technology, 98(09). (Indexed in Scopus)**

2- Al Wadi, S., **& Basbous, O. (2019). Short Term Predicting Volatility Service Jordanian Sector. European Journal of Business and Management. 11(36).**

3- Al Wadi, S., **& Basbous, O. (2019). Fitting ARIMA model for volatility insurance time series data. European Journal of Business and Management. 11(36).**

4- **Al-Ma'aeteh, E., Basyouni, T., Smadi, M., Alrawashdeh, F., &** Al Wadi, S. **(2019). Factors affecting performance of Jordanian Insurance Corporations in Jordan. Journal of Social Sciences (COES&RJ-JSS), 8(4), 558-573.**

5- **Abdallah, A. A., Saleh, M. M. A.,** Al Wadi, S., **& Al Rawashdeh, F. (2019). Improving the Estimation Accuracy Based on Wavelet Transform. Journal of Social Sciences (COES&RJ-JSS), 8(4), 544-557.**

6- **Ahmad M. Awajan, Mohd Tahir Ismail and S. AL Wadi (2019). A review on empirical mode decomposition in forecasting time series. Italian Journal of Pure and Applied Mathematics, 42. (Indexed in Scopus)**

7- **Ahmad M. Awajan, Mohd Tahir Ismail and S. AL Wadi (2019). Stock Market Forecasting using Empirical Mode Decomposition with Holt-Winter. AIP Conference Proceedings Dec/ 2019. (Imdexed in ISI)**

8- **Omar Alsinglawi, S. AL Wadi, Mohammad Al Adwan & Bassam Bouqaleh (2019). Forecasting Earnings of Firm's Listed in ASE Using ARIMA Model. Italian Journal of Pure and Applied Mathematics. (Indexed in Scopus)**

9- **Mohammad Salameh Almasarweh, Mahmoud Barakat Alnawaiseh, Ahmed Atallah Alsaraireh & S. Al Wadi (2019). Intellectual Capital and effect on marketing Performance An Empirical study in Jordanian Pharmaceutical Industrial Firms. Italian Journal of Pure and Applied Mathematics, 41. (Indexed in Scopus)**

10- **Ahmed Atallah Alsaraireh, Mohammad salameh Almasarweh, S. Al Wadi, Mahmoud Barakat Alnawaiseh (2019). Modeling the volatility insurance time series data using Wavelet transform. Italian Journal of Pure and Applied Mathematics, 41. (Indexed in Scopus)**

11- **Ahmed Atallah Alsaraireh, Mohammad salameh Almasarweh, S. Al Wadi, Mahmoud Barakat Alnawaiseh (2019). Comparing Study Between Simplex method and Lagrange Method in a Linear Programming Problem. Italian Journal of Pure and Applied Mathematics, 41. (Indexed in Scopus)**

12- **Mohammad Salameh Almasarweh, Ahmed Atallah Alsaraireh, S. Al Wadi & Mahmoud Barakat Alnawaiseh (2019) Hybrid-Based Mathematical Method for Enhancing the Quantitative Research. Italian Journal of Pure and Applied Mathematics, 41. (Indexed in Scopus)**

13- **Ismail, A. M. A. M. T., Wadi, S. A. L., Jaber, A. M., & Hamzalouh, L. M. (2019). Forecasting Stock Market Using hybrid EMD-EXP. International Journal of Statistics & Economics.**

14- **S. AL Wadi & Ghassan Obeidat (2018). Detecting the Fluctuations in Large Samples Using Wavelet Transform Mohammad. Modern Applied Science. 12 (12): 245-458.**

15- **Almasarweh & S. AL Wadi (2018). ARIMA Model in Predicting Banking Stock Market Data. Modern Applied Science. 12 (11): 309-315.**

16- **S. AL Wadi, Mohammad Almasarweh & Ahmed Atallah Alsaraireh (2018). Predicting Closed Price Time Series Data Using ARIMA Model. Modern Applied Science. 12 (11); 181-185.**

17-S. Al Wadi and Ahmed Atallah Alsaraireh (2018). Industrial Data Forecasting Using Wavelet Transform. Italian Journal of Pure and Applied Mathematics, 40: 607-614. (Indexed in Scopus)

18-Ahmed Atallah Alsaraireh, Mohammad Almasarweh, Mahmoud Barakat Alnawaiseh S. Al Wadi and Vandana Bhama (2018). The Effect of Methods of Operation Research in Obtaining the Best Results in the Trade. Italian Journal of Pure and Applied Mathematics, 40: 501–509. (Indexed in Scopus)

19-S. Al Wadi and Abed H. Al-Slaihat (2018). Industrial Data Decomposition and Forecasting Using Discrete Wavelet Transform. Journal of Engineering and Applied Sciences. (Indexed in Scopus)

20-Ahmad M. Awajan, Mohd Tahir Ismail and S. AL Wadi (2018). Improving Forecasting Accuracy for Stock Market Data using EMD-HW Bagging. PLoS one journal, 13(7). (Indexed in ISI, IF=2.81)

21-S. Al Wadi (2017). Modification of Accuracy Estimation Using Stock Market Data. Italian Journal of Pure and Applied Mathematics, 39. (1), 783-792.

22-S. Al Wadi (2017). Improving Volatility Risk Forecasting Accuracy in industry Sector. International journal of mathematics and applied mathematics. Volume 2017.

23-Ahmad M. Awajan Mohd Tahir Ismail and S. Al Wadi (2017). A Hybrid EMD-MA For Forecasting Stock Market Index. Italian Journal of Pure and Applied Mathematics. 38 (1):1–20. (Indexed in Scopus)

24-Ahmad M. Awajan, Mohd Tahir Ismail and S. Al Wadi (2017). Forecasting Time Series Data Using EMD-HW Bagging. International Journal of Statistics and Economics. 18 (3): 9 -21.

25-Reda Albotoush, S. Al Wadi, Mohammad Rasheed, Ahmed Abu Hilal (2017). Forecasting of Handled Cargo in Aqaba 2030. International Journal of Ecological Economics and Statistics. 38 (3): 102-113. (Indexed in Scopus)

26-Ahmad M. Awajan, Mohd Tahir Ismail and S. AL Wadi (2017). A Hybrid Approach EMD-MA for Short-Term Forecasting of Daily Stock Market Time Series Data. Journal of Internet Banking and Commerce. 22(1): 1-10. (Indexed in Scopus)

27-Jamil J. Jaber, S. Al Wadi, Noriszura Ismail and Mohammad H. Saleh (2017). Forecasting Of Volatility Risk for Jordanian Banking Sector. Far East Journal of Mathematical Sciences. 101(7): 1491-1507. (Indexed in Scopus)

28-Sadam Alwadi, Firas Muhammad Al- Rawashdi and Ibraheem Alshomaly (2016). Wage Determinates In Jordanian Labor Market Comparative Study (1976-2009). Journal of Internet Banking and Commerce. 21 (S5): 1-14. (Indexed in Scopus)

29-S. AL Wadi, Ahmad M. H. Al-Khazaleh and Hazem Alwadi (2016). Forecasting Estimated Missing Time Series Data. Far East Journal of Mathematical Sciences. 100 (10): 1579-1593. (Indexed in Scopus)

30-S. Al wadi. (2015). Existing Outlier Values in Financial Data Via Wavelet Transform. European Scientific Journal. 11 (22): 245-254.

31-Firas Muhammad Al- Rawashdi, S. Al Wadi and Mohammad Hasan Saleh (2015). Wavelet Methods in Forecasting for Insurance Companies Listed in Amman Stock Exchange. European Journal of Economics, Finance and Administrative Sciences. 82.

32-Ahmad M. H. Al-Khazaleh and S.Al wadi. (2015). Wavelet Transform Asymmetric Winsorized Mean In Detecting Outlier Values. Far East Journal of Mathematical Sciences 96 (3): 340-351.

33-Mohammad H. Almomani, Rosmanjawati Abdul Rahman, Adam Baharum, S. Al Wadi, and Faisal Ababneh (2014). The Effect of Simulation Parameters on the Selection Approach. International Journal of Open Problems in Computer Sciences and Mathematics. 7 (2).

34-Dr. firas Muhammad Al- Rawashdi, Sadam Al Wadi and Ahmad M. H. Al-Khazaleh. (2014) Wavelet Methods in Forecasting Insurance Amman Stock Insurance Data. Mitteilungen Klosterneuburg Journal. 64 (5): 280-288.

35-Sadoon Abdullah Ibrahim Al-Obaidy, Faisal Ababneh, S. Al Wadi, Feras M. Al-Faqih. (2013). On Certain Conditions of Multivariate Power Series Distributions. International Journal of Open Problems in Computer Sciences and Mathematics. 4 (6).

36-S. Al Wadi, Faisal Ababneh, Hazem Alwadi and Mohd Tahir Ismail, (2013). Maximum Overlapping Discrete Wavelet Transform in Modeling Banking Sector. Far East Journal of Applied Mathematics. 1 (84). (Indexed in Scopus)

37-Faisal Ababneh, S. Al Wadi and Mohd Tahir Ismail, (2013). Haar and Daubechies Wavelet Methods in Modeling Banking Sector. International Mathematical Forum. 8, (12): 551 – 566.

38-S. Al Wadi, Abdulkareem Hamarsheh and Hazem Alwadi, (2013). Maximum Overlapping Discrete Wavelet Transform in Forecasting Banking Sector. Applied Mathematical Sciences, 7(80): 3995 – 4002.

39-Faisal Ababneh, S. Al Wadi and Mohd Tahir Ismail, (2013). Haar and Daubechies Wavelet Methods in Modeling Banking Sector. International Mathematical Forum, 8, (12): 551 – 566. (Indexed in Scopus)

40-Mohd Tahir Ismail, Samsul Ariffin Abdul Kareem and S. Al Wadi, (2011). A Study of Structural Breaks in Malaysian Stock Market. African Journal of Business Management. 5 (6): 2418-2425.

41-S. Al Wadi, Mohd Tahir Ismail & Samsul Ariffin Abdul Kareem. (2011). Discovering Structure Breaks in Amman Stocks Market. *Journal of Applied Science,* 11 (7): 1273-1278.

42-S. Al Wadi, Mohd Tahir Ismail & Samsul Ariffin Abdul Kareem. (2010). A Comparison Between the Daubechies Wavelet Transformation and the Fast Fourier Transformation in Analyzing Insurance Time Series Data. *Far East Journal of Applied Mathematics*, 45: 53-63. (Indexed in Scopus)

43-S. Al Wadi, Mohd Tahir Ismail & Samsul Ariffin Abdul Kareem. (2010).A Comparison between Haar Wavelet Transform and Fast Fourier Transform in Analyzing Financial Time Series Data. *Research Journal of Applied Science*, 5: 352-360.

44-S. Al Wadi, Mohd Tahir Ismail & Samsul Ariffin Abdul Kareem. (2010). Volatility Computational In Financial Time Series Data By Using Wavelet Transforms. *International Journal of Mathematics and Computational*, 7: 102-113.

45- S. Al Wadi, Mohd Tahir Ismail & Samsul Ariffin Abdul Kareem. (2010). Orthogonal Wavelet Transforms in Forecasting Volatility: An Experimental Result. *World Applied Science Journal*, 10: 262-271.

46-S. Al Wadi, Mohd Tahir Ismail & Samsul Ariffin Abdul Kareem. (2010). Selecting Wavelet Transforms Model In Forecasting Financial Time Series Based on ARIMA Model. *Applied Mathematical Science*, 5: 315- 326.

Conferences, Seminars and Colloquiums

1. **S. Al wadi, Jamil Jaber and Ahmad M. Awajan (2018), Next Day Insurance Price Forecasting in Amman Stock Exchange, 7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018) Kiev, Ukraine (Participant).**

2. **Jamil J. Jaber, Dr. Noriszura Ismail, Dr. Sadam AL Wadi, and Dr. Siti Norafidah Mohd Ramli (2017). Estimating and Predicting of Credit Losses Based on Wavelet Method-Jordan. The 17th Postgraduate Colloquium. School of Mathematical Sciences. University Kabangsan Malaysia (Presenter).**

3. **S. Al wadi, Jamil Jaber, Firas Muhammad Al- Rawashdi, Ibraheem Alshomaly (2017), Mohammad Salaman Almasarawah. Predicting the Productivity of the Extractive Industry in Jordan, International Conference on Mining and Mining Industries (Presenter).**

4. **Dr. firas Muhammad Al- Rawashdi, S. Al Wadi and Mohammad H. Saleh (2016) The Challenges of Higher Education in Aqaba and the Impact of Investing in Human Capital in Economic Growth. The First Economic Conference: Aqaba Special Economic Zone: Reality and Aspirations " Aqaba, Jordan (Presenter).**

5. **S. Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. Forecasting Volatility Data Based on Wavelet Transforms and ARIMA Model. *2010 International Conference on Science & Social Research. 5-7 December 2010* (Presenter).**

6. **S.Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. Statistical Computational of Volatility in Financial Time Series Data. *World Academy of Science, Engineering and Technology, 62, February 2010*. (Presenter).**

7- **S.Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. Detecting the Regime Shift via Wavelet Transform.** ***2nd International Conference on Computer Engineering and Technology. March 2010.*** **(Presenter).**

8- **S.Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. A Comparison Between Haar Wavelet Transform and Fast Fourier Transform in Analyzing Financial Time Series.** ***Asian Mathematics Conference. June 2010.*** **(Presenter).**

9- **S.Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. Forecasting Financial Time Series Data Base on Wavelet Transforms and Neural Network Model.** ***International Conference on Mathematical Application In Engineering. August 2010.*** **(Presenter).**

10- **S.Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. Forecasting Financial Time Series Data Base on Wavelet Transforms and ARIMA Model.** ***1st Regional Conference on Applied And Engineering Mathematics. June 2010.*** **(Presenter).**

11- **S.Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. Discovering Structure Breaks in Amman Stocks Market.** ***Second International Conference and Workshops on Basic and Applied Sciences (ICORAFSS*****). June 2010. (Presenter).**

12- **Mohd Tahir Ismail, S. Al Wadi and Samsul Ariffin Abdul Karim. Modeling and Testing For Structural Breaks in Financial Time Series Data.** ***University Malaya*****. Malaysia. Seminar, 2009. (Presenter).**

13- **S.Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. A Study of Structure Breaks in Amman Stocks Market By Using Wavelet Transform.** ***Tenth Islamic Countries Conference of Statistical Sciences. Egypt, December 20-23, 2009.*** **(Presenter).**

14- **S.Al Wadi, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. A Comparison between Daubechies Wavelet Transform and Fast Fourier Transform in Analyzing Insurance Time Series.** ***Second International Conference and Workshops on Basic and Applied Sciences. June 2009.*** **(Presenter).**

15- **S. Alwadi & Maslina Darus. Fractional Calculus K- Uniformly Starlike and K-Uniformly Convex Function of Order A.** ***International Symposium on New Development Geometric Function Theory and Its Applications*****. November 2008. (Presenter).**

PARTICIPATIONS, WORKSHOPS AND MEMDER

- **Organizer and Participant in the "Current Social Security Law Workshop" Organized By Department of Risk Management and Insurance, The University of Jordan, Jordan, 2017.**
- **Organizer and Participant in the "Mechanisms of granting insurance in Jordanian companies Workshop" Organized By Department of Risk Management and Insurance, The University of Jordan, Jordan, 2017.**

- **Organizer and Participant in the "Safety measures in major industrial companies Workshop" Organized By Department of Risk Management and Insurance, The University of Jordan, Jordan, 2017.**
- **Scientific and Organizer Committee Member in the "International Conference on Mining and Mining Industries" Organized By Faculty of Management and Finance, The University of Jordan, Jordan, 2017.**
- **Scientific and Organizer Committee Member in the "The First Economic Conference: Aqaba Special Economic Zone: Reality and Aspirations" Organized By Faculty of Management and Finance, The University of Jordan, Jordan, 2016.**
- **Scientific and Organizing Committee Member in the "2nd Petra International Conference in Mathematics" Organized By Department of Mathematics and Statistics, Al-Hussiaen Bin Talal Univeristy, Jordan, 2016.**
- **Organizer and Participant in the "Staff Development Workshop" Organized By Accreditation Quality Assurance Center , The University of Jordan, Jordan, 2016.**
- **Organizer and Participant in the "MATLAB and IT'S Application" Organized By Department of Mathematics and Statistics, Al-Hussiaen Bin Talal Univeristy, Jordan, 2016.**
- **Organizer and Participant in the "Workshop on Econometrics" Organized By School of Mathematical Sciences, USM, Malaysia, 2009.**
- **Organizer and Participant in the "Workshop on Time Series Analysis" Organized By School of Mathematical Sciences, USM, Malaysia, 2009.**
- **Organizer and Participant in the "Workshop Mathematics" Organized By School of Mathematical Sciences, UKM, Malaysia, 2009.**
- **Latex Workshop "Publishing in Latex for High Quality Thesis and Publications", Organized By School of Mathematical Sciences, USM, Malaysia, 2009.**

REFERNCES

- **Mohd Tahir Ismail Associate Professor at School of Mathematical Sciences University Science Malaysia. E-mail: mtahir@cs.usm.my.**
- **Prof Feras Al- Fageh A professor at School of Mathematics. Al- Hussien Bin Tala University. Jordan.**