

.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 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.
Field of narrow Specialization for PhD Degree: Financial Mathematics.
Institute Issuing Degree: University Science Malaysia, Malaysia.
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
Institute Issuing Degree: National University of Malaysia, Malaysia.
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-albyat University, Jordan.
Date of Graduation: 2005.
Country of Institute: Jordan.
Language of Study: English.

- **RESEARCH INTRSET**

- (1) Risk Managements.
- (2) Financial time series.
- (3) Financial mathematics
- (4) Financial data analysis.

SPECIALIZED TEACHING COURSES

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|---|-------------------------------------|
| • Mathematical Methods. | • Statistical Methods. |
| • Linear Algebra | • Time Series Analysis. |
| • Calculus 1 | • Statistical Modeling. |
| • Statistical analysis | • Mathematical statistics. |
| • Sampling theory and applications | • Introduction to Statistics |

COMPUTER PROGRAMMING SKILLS

MATLAB	Professional
MATHEMATICA	Very Good
C++	Good
SAS	Very Good
STATISTICA	Professional

LANGUAGES

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

PROFESSIONAL EXPERIENCE

School of Mathematics, University Science Malaysia.	(Researcher) under grant entitle: Analyzing Financial Time Series Data by Using Wavelet Transforms (120000 Malaysian Ringgit). Research assistant, school of mathematics, University science Malaysia, Malaysia. (January 2009 – June 2011).
Al- Hussien Bin Talal University	2\ 2013 -9\2014
The university of Jordan/ Aqaba branch	9\2014- present

Book in Chapter

- 1- **S. Al Wadi**, Mohd Tahir Ismail and Samsul Ariffin Abdul Kareem. (2014). Structure Break Identification in Stock Market Data using wavelet transform. *Soft-Computing Capital Market*. Brown Walker Press, USA. Page: 27-40. (Chapter Book).
- 2- **S. Al Wadi**. (2012). Wavelet Methods in Modeling Amman Stock Market Index. Ph.D Thesis. *University Science Malaysia*. Malaysia.
- 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, USM, pp: 3-10. (Chapter book).

Published Articles

- 1- Ahmad M. H. Al-Khazaleh, **S. Alwadi** and Faisal Ababneh. Wavelet transform asymmetric Winsorized mean in detecting outlier value. *Far East Journal of Mathematical Sciences*. (Accepted)
- 2- Dr. firas Muhammad Al- Rawashdi, **S. Alwadi**, Ahmad M. H. Al-Khazaleh (2014). Wavelet Methods in Forecasting Insurance Amman Stock Insurance Data. *Mitteilungen Klosterneuburg*, 64(2014) 5.
- 3- Mohammad H. Almomani, Rosmanjawati Abdul Rahman, Adam Baharum, **S. Alwadi**, and Faisal Ababneh (2014). The Effect of Simulation Parameters on the Selection Approach. *Int. J. Open Problems Compt. Math.*, Vol. 7 (2) 2014: 19-49.
- 4- Sadoon Abdullah Ibrahim Al-Obaidy, Faisal Ababneh, **S. Alwadi**, Feras M. Al- Faqih. (2013). On Certain Conditions of Multivariate Power Series Distributions. *Int. J. Open Problems Compt. Math.*, Vol. 6, (4): 37-47.
- 5- **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*. 84 (1): 1-10.
- 6- Faisal Ababneh, **S. Al Wadi** and Mohd Tahir Ismail, (2013). Haar and Daubechies Wavelet Methods in Modeling Banking Sector. *International Mathematical Forum*, Vol. 8, 12, 551 – 566.
- 7- **S. Al Wadi**, Abdulkareem Hamarsheh and Hazem Alwadi, (2013). Maximum Overlapping Discrete Wavelet Transform in Forecasting Banking Sector. *Applied Mathematical Sciences*, Vol. 7, 2013, no. 80, 3995 – 4002.
- 8- Faisal Ababneh, **S. Al Wadi** and Mohd Tahir Ismail, (2013). Haar and Daubechies Wavelet Methods in Modeling Banking Sector. *International Mathematical Forum*, Vol. 8, 12, 551 – 566.
- 9- 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, 2011.

- 10- **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.
- 11- **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.
- 12- **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.
- 13- **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.
- 14- **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.
- 15- **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.

Oral conferences

- 1- **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).
- 2- **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).
- 3- **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).
- 4- **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).
- 5- **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).
- 6- **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).

- 7- **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).
- 8- 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).
- 9- **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. December 20-23, 2009*. (Presenter).
- 10- **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).
- 11- **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

- 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.