

**Dr. Mahmoud F. Almanassra**  
**Associate Professor, Department of Mathematics and Statistics**  
**Arab American University Jenin, Al-Zababdeh, Jenin**

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**EDUCATION**

**Ph.D. degree in Mathematics, August 2003**

Major: Statistics

Minors: Numerical Analysis, Combinatorial Analysis

Southern Illinois University at Carbondale

**Master's degree in Mathematics, May 1999**

Major: Differential Equations

Southern Illinois University at Carbondale

**Bachelor's degree in Mathematics, October 1995**

Hebron University, West bank

**RESEARCH INTEREST**

1. Survival and Cumulative-Hazard Functions of the Restricted Quality Adjusted Lifetime.
2. Differential Equations.

**PROFESSIONAL EXPERIENCE**

Associate Professor: Dept. of Math. and Statistics, AAUP	Feb. 2013- present
Associate Professor: Dept. of Math., UW-Marinette	May 2011- Jan. 2015
Assistant Professor: Dept. of Math., UW-Marinette	Jan. 2006- May 2011
Lecturer: Dept. of Math., Wartburg College	Aug. 2003-Jan. 2006
Teaching Assistant: Southern Illinois University	Jan. 1998- Aug. 2003

**COURSES TAUGHT:**

**Master Level courses:** Mathematical Statistics, Topics in Statistics/ Regression Analysis, Topics in Statistics/ Advanced Course in Statistical Inference, Applied Probability, Topics in Probability Theory, Data Analysis and decision making, Foundations of Business Statistics.

**Undergraduate Level Courses:** Regression Analysis, Sampling Techniques, Statistical Methods/ Advanced Business Statistics, Mathematical Probability and Statistics, Probability Theory, Statistical Application, Operations Research, Biostatistics, Elementary Statistics, Partial Differential Equations, Ordinary Differential Equations, Numerical Analysis/Numerical Methods, Calculus III, Calculus II, Calculus I, Business Calculus, Precalculus, College Algebra, Quantitative Reasoning, Mathematics for Medical students

## COMPUTER SKILLS

Computer Languages: C++, Fortran, LaTeX

Mathematical Packages: MathXL, Web Assign, MyMathLab, Scientific Notebook,  
Maple, MATLAB

Statistical Packages: MINITAB, S plus, SAS, SPSS

## PUBLICATIONS & PRESENTATIONS

1. M. Almanassra, J. Wang, and S. Jeyaratnam, “*Monotonic Estimators for the Survival Function of Quality Adjusted Lifetime*”. Communications in Statistics-Theory & Methods, 34:1217-1231, 2005.
2. M. Almanassra, “*On the Negative Mass Assigned by the Univariate Zhao-Tsiatis and Wang Estimators*” MAA Conference, Iowa section, April, 2005.
3. M. Almanassra, “*Quality Adjusted Lifetime Hazard Function*” MathFest Conference, Knoxville, TN, August 2006,.
4. M. Almanassra, “*The Explicit Solution to an Infinite Linear Differential Equation System*” MathFest Conference, Madison, WI, August, 2008.
5. M. Almanassra, “*Estimation of Survival and Cumulative-Hazard Functions of the Restricted Quality Adjusted Lifetime*” MAA/MichMATYC Conference, Ypsilanti, MI, May 2010.
6. Iyad Suwan, Anan Hussein, Abdelhalim Ziqan, and Mahmoud Al-Manasra, “*A General Technique for Converting  $n \times n$  Systems of Linear Ordinary Differential Equations with Constant Coefficients to a Single High Order Equation*”. Nonlinear Analysis and Differential Equations, Vol. 2, no. 4, 145-154, 2014.
7. Mahmoud Almanassra, Iyad Suwan, “*The Explicit Solution to the Countable Systems of Linear Ordinary Differential Equations with Constant Coefficients*”. MATHEMATICA AETERNA, Vol. 4, no 8, 827-837, 2014.
8. M. Almanassra, “*Estimation of Survival and Hazard Functions of the Restricted Quality Adjusted Lifetime*” Fifth Palestinian Conference on Modern Trends in Mathematics and Physics, AAUJ, Palestine, July 31-August 2, 2016.
9. Mahmoud Almanassra, Iyad Suwan “*Estimation of the Hazard Function of Quality Adjusted Lifetime*”. Submitted to the Journal of REVSTAT-Statistical Journal.

## PROFESSIONAL ASSOCIATIONS

Member of:

- The Mathematical Association of America.
- Wisconsin Mathematical Association

## PROFESSIONAL MEETINGS ATTENDED

- Sixth Palestinian Conference on Modern Trends in Mathematics and Physics, August 5-9, 2018, Khadoorie, Palestine.
- Fifth Palestinian Conference on Modern Trends in Mathematics and Physics, July 31-August 2, 2016, Jenin, Palestine.
- Mathematical Association of America Wisconsin Section Conference, April 12-13, 2012. Milwaukee, WI.
- WisMATYC Conference, September 24, 2011, Marian University, Fond du Lac, WI.
- MAA/MichMATYC Conference, 7-8 May 2010, Ypsilanti, MI.
- Mathematical Association of America Wisconsin Section Conference, April 16-17, 2010. Oshkosh, WI.
- Pi Mu Epsilon Regional Undergraduate Math Conference, November 6-7, 2009. De Pere, WI.
- Mathematical Association of America Wisconsin Section Conference, April 24-25, 2009. La Crosse, WI.
- MathFest Conference, July 31 – August 2, 2008, Madison, WI.
- Mathematical Association of America Wisconsin Section Conference, April 25-26, 2008. Madison, WI.
- Mathematical Association of America Wisconsin Section Conference, April 20-21, 2007. Eau Claire, WI.
- MathFest Conference, 10-12 August 2006, Knoxville, TN.
- Mathematical Association of America Wisconsin Section Conference, April 21-22, 2006. Whitewater, WI.
- Mathematical Association of America Iowa Section Conference, April 2, 2005. Central college, Iowa.
- MathFest Conference, 12-14 August 2004, Providence, Rhode Island.
- Technology Expo Conference, 2003, Kansas City, Missouri.
- American Statistical Association Meetings, August 5-9, 2001, Atlanta, Georgia.

## SUPERVISION

- Currently supervising the following Masters' student(s):
  1. Tasneem Odeh
  
- Previous supervising the following Masters' student(s):
  1. Haneen Zagloul
  2. Hammam Hamad
  3. Hadeel Saleh
  
- Currently co-advising the following Masters' student(s):
  1. Hidur Abu Buker
  2. Nisreen Nazal
  
- Previous co-adviser of the following Masters' student(s):
  1. Bara'a Mujeli
  2. Marwa Soufan
  3. Isra Akel
  
- I have been an internal and external examiner for Masters' thesis' in several universities, including the Arab American University.

## UNIVERSITY SERVICE

### **A. Arab American University**

- Dean of Scientific Research, AAUP, Sept 2016-present
- Mathematics and Statistics Department Chair, Aug 2013- Sept 2014,  
Feb 2015- Sept 2016
- Master's Program Coordinator, February 2013- August 2013,  
August 2015-Present
- AAUP Dean council, AAUP, Sept 2016-present
- Editor-in-Chief, Journal of the AAU, Sept 2016-present
- Scientific research Council, Sept. 2015- present
- Graduate School council, AAUP, Aug 2013- Sept 2014,  
Feb 2015- Sept 2016
- College of Art and Science Council, August 2013-Sept. 2016

### **B. University of Wisconsin-Marinette**

#### **1. Department Committees and Services:**

- Associate Chair, 2010- 2013, Sept 2014-Jan 2015
- Math Department Executive Committee, Sept 2014-Jan 2015
- Assessment Committee, 2007-2011
- Professional Development and Grants Committee, 2011- 2013

## 2. Campus Committees and Services:

- Math and Natural Science Division Chair, 2007-2008, 2011-2013
- Merit Committee, 2011-2013
- Student Affairs committee, 2009-2011.
- Steering Committee, 2010-2011.
- Chair of the Campus Facilities and Safety Committee 2009-2011.
- Chair of the Diversity and Equity committee 2006-2009.
- Appointment Committee 2008-2009.
- Curriculum Committee, 2007-2008.

## HONORS & AWARDS

- Bachelor's degree in mathematics: with Second Honor degree, Hebron University.
- Received the John M. H. Olmsted outstanding Ph. D. Teaching Assistant Award, 2002-2003, SIUC.
- Received highly meritorious rating for the year 2008 from the UW-Marquette Mathematics department.

## REFERENCES

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|--|---------------------------|
| Sakthive Jeyaratnam, Professor, Southern Illinois University<br>E-mail: <a href="mailto:sjeyarat@math.siu.edu">sjeyarat@math.siu.edu</a>   | (618) 453-6586            |
| Ellias Dabeet, Associate Professor, Arab American University<br>E-mail: <a href="mailto:eliasdabeet@yahoo.com">eliasdabeet@yahoo.com</a>   | (042) 418888<br>Ext: 1172 |
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