

## Personal Details

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## Education

- Bachelor in Mathematical Science: Al- Mustanseriyyeh Univ. Bagdad – Iraq 1977
- Master in Science (Applied Math.): Bagdad Univ Bagdad – Iraq 1979
- Doctorate in Natural Sciences (Dr. rer. Nat.): Technische Universitat Munchen (TUM). 1987

## Employment History

- Lecturer at AL- Najah National University site Jan 1980 (Assi. Prof.)
- Lecturer at AL- Quds Open Univ. (Part Time)
- Visitor to ULM Univ Germany for three months 1990
- First and Second conference in mathematics Jordan Univ. AL- Yarmouk.
- Conference: Math Programs Development at AL– Arab Universities, AL- Yarmouk Univ 1988
- First and Second Palestinian Association for Mathematical Sciences.
- Committee ways to develop mathematics curricula in Palestinian universities
- Third Islamic Conference on Statistical Sciences in Rabat
- New information technologies and their role in the course of scientific research at the University of Mosul in 1994
- Twenty-fifth Annual Conference of Statistics and Computer Science and Information and Operations Research at the University of Cairo in 1990
- The establishment of the Committee on Statistics Center at An-Najah National University in 1992
- Member of the Committee for the Liberation of Al- Najah magazine of Research 1994
- Member of the Committee to develop a computer Minor in the Faculty of Science in 1987

## Research

### Research Interests

- Operation Researches Methods
- Mathematical and Stochastic Models
- Mathematical Programming, Dynamic and Linear Programming.
- Probabilistic Models and Stochastics Processes
- Models applied in the fields of engineering and science

### Research Groups

- Participate in the supervision of the Master Messages with Prof. Dr. H. Hilal, Dr. Loai Melhees, Dr. M. Almasri, Dr. Osama Abathah, Dr. Ali Barakat, Dr. M. Omran.

### List of publications

- 1- M. Ass'ad and M.J. Beckmann. "Approximate Solution of an Inventory Problems with Poison Demand, Continuous Review and Fixed Delivery Time".
- 2- M. Ass'ad "Computing Optimal (s,D) Inventory Problems Under Continuous Review with Geometric, Exponential and Uniform Demand". Abhath Al- Yarmouk. Vol. 1, PP(63-75) 1992.
- 3- M. Ass'ad and A. Idris, "Estimation of Population Size of West Bank and Gaza" to appear in abhath Al-Yarmouk. 1998
- 4- M. Ass'ad and A. Idris, "Math. Courses at Arab Universities" Proceeding, Al-Yarmouk Univ. 1988

## Supervisor for the following master thesis

- 1- On a mathematical design system: Maximum Reliability, Minimum Cost.  
Salah Afaneh (2001)
- 2- أثر استخدام التعليم بمساعدة الحاسوب بلغة فيجوال بيسك على التحصيل الآني والمؤجل لطلبة الصف السابع الأساسي ودافع انجازهم في تعليم الرياضيات في مدينة نابلس  
رنا أبو زعرور (2004)
- 3- Analysis of the logistic distribution use in suppression technique for scalability in multicast routing.  
Hadi Hamad (2007)
- 4- Modeling Pedestrian Behavior on Pedestrian Crosswalk.  
Zahir Abu Sa'a (2007)
- 5- Simulation of Queueing Models: Using Simulation at Beit-eba Crossing Check – Point.  
Fatima Barham (2008)
- 6- Cost Volume Function on Water Distribution Networks:  
A reliability – Based Approach using MATLAB.  
Khalid – AS-Sadiq (2008)
- 7- A new Visual Basic Software Built-up for solving-out Reduction Formula in chemical Application of Group Theory.  
Rasha Sabri (2009)
- 8- A Novel Visual Basic Software for Projection Operator Calculation in Chemistry.  
Abed Al-Hafez Sayda (2009)

9- An Inventory Control Model With (M|M|I) Queueing System and Lost Sales.

Imad Jomah (2011)

10- Two-Sample Multivariate Test of Homogeneity using Weighted Nearest Neighbors.

Areej Barakat (2012)

11- Decoding Turbo Codes with Linear Programming.

Hisham Salahat (2013)

12- An Analytic and Dynamic Programming Treatment For Solow and Ramsey Models.

Ahmad Thabaineh (2014)

## Interior Examiner for Master Thesis at AL-Najah University

- 1- Some of chemical Applications of graph theory.  
Muktar AL-Shelleh (1999)
- 2- Convexity, Fixed Point Theorems and Walrasian Equilibrium.  
Abd AL-Rahim Nur (2002)
- 3- دراسة تقويمية مقارنة بين محتوى مناهج الرياضيات الفلسطيني، الأردني والمصري للصف السادس الأساسي  
Husam Abu Gazala (2002)
- 4- معوقات استخدام الوسائل التعليمية من وجهة نظر معلمي الرياضيات للمرحلة الأساسية في المدارس الحكومية في محافظة نابلس  
Ahmad Ode (2002)
- 5- أثر تزويد طلاب الصف السابع الأساسي بالأهداف السلوكية على تحصيلهم بمادة الرياضيات في المدارس الحكومية  
Samer Abu-Alrub (2003)
- 6- العلاقة بين البنية المعرفية وتحصيل الطلبة المتفوقين في الرياضيات في الصف السابع في مدارس وكالة الغوث في منطقة نابلس  
Mohammad Ganim (2003)
- 7- Eigenvalues of the Matrix of Distances Reciprocals for the complete Bi Partite and Cyclic Graphs.  
Riad Zaidan (2003)
- 8- Numerical Methods for solving elliptic Boundary Value Problem.  
Mithqal Naji (2005)

- 9- مقارنة محتوى مناهج الرياضيات الفلسطينية، الأردنية والمصرية للصف التاسع الأساسي  
Mahmoud Al-Aidi (2008)
- 10- Closeness Centrality and Epidemic Spreading in Networks  
Fares Rabaya (2008)
- 11- أثر استخدام الخرائط المفاهيمية في تطوير الإبداع في الرياضيات لطلبة الصف السابع الأساسي في تربية قباطية-  
Husam Mustafa (2009)
- 12- Numerical Methods for Solving Boundary Value Problem  
Basma Al-Azzah (2009)
- 13- أثر التدريب على استراتيجيات حل المسألة الرياضية لطلبة الصف الأول الثانوي العلمي في تحصيلهم للرياضيات في  
محافظة نابلس  
Jamal Al-Ayed (2009)
- 14- واقع ابداع الرياضيات في المنهاج الفلسطيني وتطويره للمرحلة الأساسية العليا-  
Husam Sedqi (2009)
- 15- Numerical Methods for Solving Differential Algebraic Equations.  
Samer Abu Sa'a
- 16- Singular Two Points Boundary Value Problem.  
Sawsan Hamdan (2010)
- 17- Mathematical Modeling and Numerical Methods for some Infections Diseases.  
Tariq Zioud (2012)

## **External Examiner for Master Thesis**

- 1- Numerical Methods for First Order Delay Differential Equations.

Jebren Hasan (2009) AL-Quds University

- 2- Finite Fuzzy Markov Chains.

Mohammad Mara'beh (2011) Arab American University

- 3- The Degenerate Homogeneous Abstract Cauchy Problem.

Nizar Jaber (2013) Arab American University

## Teaching

### Units taught

Year	Code	Title
	<b>21101, 21102, 21201</b>	Calculus 1,2,3
	<b>21203</b>	Differential Equations
	<b>21231</b>	Methods of Statistics 1
	<b>21321</b>	Numerical Analysis
	<b>21322</b>	Linear Programing
	<b>21323</b>	Operations Research
	<b>21334</b>	Probability Theory
	<b>21336</b>	Mathematical Statistics
	<b>21474</b>	Graph Theory
	<b>28331</b>	Stochastic Processes
	<b>21399</b>	Scientific Research
	<b>421522,429522</b>	Dynamic Programing
	<b>421523,429523</b>	Advanced Operations Research
	<b>429525</b>	Advanced Linear Programing
	<b>429573</b>	Graph Theory and Networks
	<b>421581</b>	Special Topics 1
	<b>421583</b>	Special Topics 2