

## C.V

**Name:** WAKAS SAAD KHALAF

**Religion:** MUSLIM

**Specialization:** PHILOSOPHY OF DOCTORATE IN OPERATIONS RESEARCH  
FROM UNIVERSITY PUTRA MALAYSIA –MASTER DEGREE IN SCIENCES OF  
OPERATIONS RESEARCH AT THE COLLEGE OF ADMINISTRATION AND  
ECONOMICS / UNIVERSITY OF BAGHDAD.

**Position:** HEAD OF THE DEPARTMENT OF INDUSTRIAL MANAGEMENT

**Journal Manager of** Economics & Administrative Sciences

**Scientific Degree:** PROFESSOR

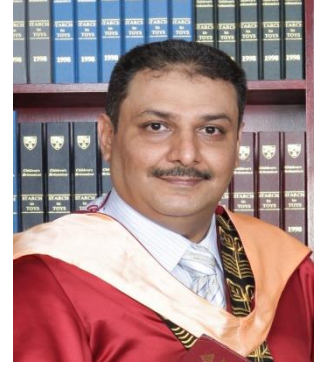
**Work Address:** DEPARTMENT OF INDUSTRIAL MANAGEMENT/  
COLLEGE OF ADMINISTRATION AND ECONOMICS / UNIVERSITY OF BAGHDAD

**Work Phone:** 07738543096

**Mobile:** 07738543096

**E-mail:** [waqasalmfarjy@yahoo.com](mailto:waqasalmfarjy@yahoo.com)

**Official E-mail:** [dr.wakkas1@coadec.uobaghdad.edu.iq](mailto:dr.wakkas1@coadec.uobaghdad.edu.iq)



**First, Scientific Certification:**

Degree science	University	College	Date
<b>B.Sc.</b>	AL-RAFIDAIN UNIVERSITY COLLEGE.	AL-RAFIDAIN UNIVERSITY COLLEGE.	1993
<b>M.Sc.</b>	UNIVERSITY OF BAGHDAD	COLLEGE OF ADMINISTRATION AND ECONOMICS	2002
<b>Ph.D.</b>	UNIVERSITY PUTRA MALAYSIA (UPM)	FACULTY OF SCIENCES (INSTITUTE FOR MATHEMATICAL RESEARCH)	2010
<b>Any other</b>			

**Second, Career:**

	Career	Workplace	From –To
1	LECTURER	AT AL-RAFIDAIN UNIVERSITY COLLEGE	2002-2003
2	LECTURER	COMPUTER UNIT/ COLLEGE OF EDUCATION-IBN RUSHD- BAGHDAD UNIVERSITY	2003-2005
3	RAPPORTEUR	DEPARTMENT OF INDUSTRIAL MANAGEMENT/COLLEGE OF ADMINISTRATION AND ECONOMY / BAGHDAD UNIVERSITY	2006-2008
4	RESERVE HEAD OF DEPARTMENT OF INDUSTRIAL MANAGEMENT	DEPARTMENT OF INDUSTRIAL MANAGEMENT/COLLEGE OF ADMINISTRATION AND ECONOMY / BAGHDAD UNIVERSITY	2011- 2013
5	MEMBER OF THE BOARD OF DIRECTORS	IRAQI OPERATIONAL RESEARCHES	2002-SO FAR

6	HEAD OF DEPARTMENT OF INDUSTRIAL MANAGEMENT	DEPARTMENT OF INDUSTRIAL MANAGEMENT/COLLEGE OF ADMINISTRATION AND ECONOMY / BAGHDAD UNIVERSITY	2014- So far
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### **Third, University Teaching.**

No.	University	The (Institute / College)	From –To
1	AT AL-RAFIDAIN UNIVERSITY COLLEGE	DEPARTMENT OF OPEARATIONS RESEARCH	2002-2003
2	UNIVERSITY OF BAGHDAD	COMPUTER UNIT/ COLLEGE OF EDUCATION- IBN RUSHD-	2003-2005
3	UNIVERSITY OF BAGHDAD	DEPARTMENT OF INDUSTRIAL MANAGEMENT & DEPARTMENT OF BUSINESS MANAGEMENT /COLLEGE OF ADMINISTRATION AND ECONOMY	2005- 2008
4	UNIVERSITY PUTRA MALAYSIA (UPM)	FACULTY OF SCIENCES (INSTITUE FOR MATHEMATICAL RESEARCH)	2009-2010
5	UNIVERSITY OF BAGHDAD	DEPARTMENT OF BUSINESS MANAGEMENT /COLLEGE OF ADMINISTRATION AND ECONOMY	2010-2011
6	UNIVERSITY OF BAGHDAD	DEPARTMENT OF INDUSTRIAL MANAGEMENT /COLLEGE OF ADMINISTRATION AND ECONOMY	2011- So far

■ **Fourth, Courses Which I Teach:**

No.	Department	Subject	Year
1	THE FIRST STAGE / DEPARTMENT OF OPERATIONS RESEARCH / ALRAFIDAIN UNIVERSITY COLLEGE	DIFFERENTIATION AND ANTEGRATION AND MATHEMATICS SUBJECTS	2002-2003
2	SOME COMPANIES RELATED TO THE BOARD OF MILITARY INDUSTRY AT THAT TIME AND OTHER COPANIES RELATED TO THE MINISTRY OF INDUSTRY SUCH AS AL-SALAM GENERAL COMPANY AND THE 7 <sup>TH</sup> OF APRIL GENERAL COMPANY	COURSES IN THE QUANTATIVIS TECHNIQUES AND OPERATIONS RESEARCH	2002-2003
3	BEJI ADMINISTRATIVE COMMITTEE OF THAT SOCIETY	THE QUANTATIVIS TECHNIQUES AND OPERATIONS RESEARCH	2002-2003
4	THE FIRST AND SECOND STAGE PARTICULARLY IN THE PSYCHOLOGICAL SECTION AND THE MEANS OF TECHING THE HOLY QURAN AT THE COLLEGE OF EDUCATION, IBN RUSHD/ BAGHDAD UNIVERSITY FROM 2002 TO 2004	COMPUTER SUBJECT AND THE MATHEMATICAL STATISTIC SUBJECT	2003-2005
5	THE THIRD STAGE, THE SECOND STAGE AND THE THEIRD STAGE IN BOTH THE DEPARTMENT OF INDUSTRIAL MANAGEMENT AND DEPARTMENT OF BUSINESS MANAGEMENT IN THE COLLEGE OF ADMINISTRATION AND ECONOMY / BAGHDAD UNIVERSITY.	<ol style="list-style-type: none"> <li>1. WIN.Q.S.B.</li> <li>2. QUANTATIVES TECHNIQUES</li> <li>3. OPERATIONS RESEARCH</li> </ol>	2005-2008

6	THE THIRD STAGE, THE SECOND STAGE AND THE THEIRD STAGE THE DEPARTMENT OF INDUSTRIAL MANAGEMENT IN THE COLLEGE OF ADMINISTRATION AND ECONOMY / BAGHDAD UNIVERSITY.	<ol style="list-style-type: none"> <li>1. QUANTATIVIS TECHNIQUES</li> <li>2. OPERATIONS RESEARCH</li> <li>3. PROJECT MANAGEMENT</li> </ol>	2011-so far
7	Faculty of Management and Economics / Department of Industrial Management	Operations Research / Methods of Scientific Research / Readings and Correspondence) / Principles of Statistics / Dynamic and Random Programming (Postgraduate)	2012-2014
8	Faculty of Management and Economics / Department of Industrial Management / Department of Statistics / Department of Public Administration / Department of Business Administration (Higher) / 2014-2015	Operations Research / Methods of Scientific Research / Stochastic and Dynamic Programming / Fuzzy Programming (Graduate) / Quantitative Methods in Local Administration ((Postgraduate)) Strategic Planning	2015-2016
9	Faculty of Management and Economics / Department of Industrial Management / Department of Statistics / Department of Business Administration	Operations Research / Methods of Scientific Research / Dynamic Programming and Random (Postgraduate) / Fuzzy Programming (Postgraduate) / Operations Research in Strategic Planning (Postgraduate) Methods Quantity / Project Management.	2017-2018
10	Faculty of Management and Economics / Department of Industrial Management / Department of Statistics / Department of Business Administration	Operations Research / Methods of Scientific Research / Dynamic Programming and Random (Postgraduate) / Fuzzy Programming (Postgraduate) / Operations Research in Strategic Planning /Quantitative Methods 1 / Quantitative Methods 2 / Project Management.	2018-2019

**■ Fifth, Thesis which was supervised by :**

No.	Thesis Title	Department	Year
1	Solution of Fuzzy Maximal Flow Problems of Vehicles in Province of Diwaniyah Using the Fuzzy Linear Programming Model	Department of Statistics	2012
2	Material requirements planning to product electric heater in the General Company for Electrical Industries using goal programming approach	Department of Industrial Management	2013
3	Material requirements planning in the foggy environment-Applied Research in the General Company for Electrical Industries	Department of Industrial Management	2015
4	Scheduling the project using goal programming approach -Applied Research in the trendy village in Wasit province	Department of Industrial Management	2015
5	The optimal strategy for fuzzy inventory managing - Applied Research in Baghdad Soft Drinks Company	Department of Industrial Management	2016
6	Find the fuzzy shortest route and the maximal flow of the visitors to the Imam Moussa al-Kadhim (AS) using dynamic programming approach	Department of Statistics	2017
7	A Multi-Stages Multi-Objective Assignment for Facilities Layout Design	Department of Statistics	2018
9	Aggregate Production Planning of Al-Rafidain Plant-Abu Ghraib Dairy Factories Using the Method of Goal Programming	Department of Industrial Management	2018
10	Designing supply chain depend on the method of multi-objective traveling salesman problem	Department of Industrial Management	2019

■ **Sixth, Conferences which I participated:**

No.	Conferences Title	Year	Place	Type of Participation
1	3 <sup>rd</sup> Regional Engineering Conference (ENCON 2010),	14 <sup>th</sup> -16 <sup>th</sup> April 2010	Faculty of Engineering, UNIMAS. Pullman Hotel, Kuching, Sarawak, Mala ysia	Participating with a paper  <i>Time-cost Trade-off Approach to Find the Shortest Possible Duration to Complete Project at Least Cost</i>
2	Fundamental Science Congress (FSC2010),	18 <sup>th</sup> -19 <sup>th</sup> May 2010	Faculty of Science, UPM, Malaysia	Participating with a paper  <i>A Linear Programming Approach for Project Scheduling</i>
3	Applied & Computational Statistics Lecture Series	2 <sup>nd</sup> -3 <sup>rd</sup> June 2009	Department of Mathematics, UPM, Malaysia	Presence
4	Effective Writing workshop	7 <sup>th</sup> -8 <sup>th</sup> NOV. 2009	School of Graduate Studies UPM, Malaysia	Presence
5	The VIVA workshop	14 <sup>th</sup> -15 <sup>th</sup> NOV. 2009	School of Graduate Studies UPM, Malaysia	Presence
6	Online Database Training in Springer	9 <sup>th</sup> June 2010	School of Graduate Studies UPM, Malaysia	Presence
7	Enhancing postgraduate student experience seminar	29 <sup>th</sup> July 2010	School of Graduate Studies UPM, Malaysia	Presence
8	Settlement of industrial technology and innovation	2012-2-12	College of Administration and Economics / conference hall	Presence

9	Publication according to international standards Nurturing scientific sobriety	2012-2-26	College of Administration and Economics / conference hall	Participating with a paper
10	Seminar in Project Management	2002-3-15	General El Salam Co.	Participating with a paper
11	Seminar in the management and scheduling of the project	2003-4-1	April 7 general Company	Participating with a paper
12	Localization of technology and industrial creativity	2012-2-12	College of Administration and Economics / conference hall	Presence
13	Publishing according to international standards for the development of scientific sobriety	2012-2-26	College of Administration and Economics / conference hall	Participating with a paper
14	Scientific publishing quality and methods of assessing global journals	2014-4-20	College of Administration and Economics / conference hall	Participating with a paper
15	Scientific Publications, ethics and methods of assessing global magazines and coefficient influence them (IF, I10, H)	2015-4-29	College of Administration and Economics / conference hall	Participating with a paper
16	Scientific publishing ethics and methods of assessing global journals and the most important influence coefficients	2016-5-30	College of Administration and Economics / conference hall	Participating with a paper



■ **Seventh, Scientific Activities:**

Within the College	Outside the College
Member of Scientific Committee of the Department of Industrial Management	Reviewer of an impact coefficient a sober scientific journal. From 2014- till now (Pakistan Journal of Statistics and Operation Research)
Member of the scientific sobriety in the Department of Industrial Management	Member of the editorial advisory board scientific journal. An impact factor ( <b>Australian Journal of Basic and Applied Sciences (AJBAS)</b> )
Chairman of the tools and machines in the Department of Industrial Management	Member of the administrative of Operations Research Society of Iraq
Member of the Curriculum Development in Industrial Management Section	A ministerial committee to monitor the progress of final exams and exam committees and control the identities of the students at the College of Salam University 2013-2014
Member of the Master of open study evaluating the general performance	
Chairman of the Committee absences of third stage in the Department of Industrial Management	
Chairman of the Scientific Committee of the Department of Industrial Management 2014- so far	
President of the exam committee of the Department of Industrial Management for the years 2013-2014 and 2014-2015.	
Chairman of the Curriculum Development in the department of Industrial Management 2014- so far	
Member of the Commission opened the study of MS in 2012-2013 calendar year performance	
Chairman of the Curriculum Development in the department of Industrial Management 2014- so far	
Chairman of the reliability in the Department of Industrial Management in 2013	

## ■ Eighth, Research Projects in The Field of Specialization

No.	Research Title	Place of Publication	Year
1	THE TRASPORATION PLAN OF THE ELECTRIC HEATERS-ACASE STUDY AT AL-QADISIAH ELECTRICAL INDUSTRIES COMPANY	WHICH WAS PUBLISHED IN THE 12 <sup>TH</sup> ISSUE OF THE ECONOMICAL AND ADMINISTRATIVE SCIENCES MAGAZINE	NO 204 OF 25/6/2006
2	THE USE OF (WIN.Q.S.B.)FOR ISSUEING A PRODUCTIVE PLAN	WHICH WAS PUBLISHED IN A SPECIAL ISSUE IN THE ECONOMICAL ANDADMINISTRATIVE SCIENCES MAGAZINE OF THE YEAR 2006	NO.307 OF 28/12/2005
3	A Linear Programming Approach for the Project Controlling.	<i>Research Journal of Applied Sciences</i>	2009
4	Cost Reduction for the Project Completion in Shortest Possible Duration by Stretching Noncritical Activities	<i>Australian Journal of Basic and Applied Sciences</i>	2009
5	A Linear Programming Approach to Maximize Savings by Stretching Noncritical Activities	<i>Australian Journal of Basic and Applied Sciences</i>	2010
6	A Comparative Study on Time-Cost Tradeoff Approaches within Critical Path Method	<i>Journal of Applied Sciences</i>	2011
7	Meeting the Desired Project Completion Time by Stretching Critical Activities	<i>Trends in Applied Sciences Research</i>	2011
8	Comparison between Time-Cost Trade-off Approaches to Determine the Optimum Strategy	<i>Australian Journal of Basic and Applied Sciences</i>	2012
9	<a href="#">Solving the Fuzzy Project Scheduling Problem Based on a Ranking Function</a>	<i>Australian Journal of Basic and Applied Sciences</i>	<b>2013</b>
10	Solving Fuzzy Transportation Problems Using a New Algorithm	<i>Journal of Applied Sciences</i>	<b>2014</b>

11	Solution of Fuzzy Maximal Flow Problems of Vehicles in Province of Diwaniyah Using the Ranking Function for Fuzzy Linear Programming Model	<a href="#">journal of Economics And Administrative Sciences</a>	<b>Volume: 19 Issue: 73</b> <b>Pages: 430-452</b> publish in(2013)
12	Material Requirements Planning (MRP) for Electric Geysers Product by Using Goal Programming applicative research in the general company of electrical industrialization	<a href="#">journal of Economics And Administrative Sciences</a>	<b>Volume: 20 Issue: 80</b> <b>Pages: 281-321</b> publish in(2014)
13	Project Scheduling By using Goals Programming – An Applied Research In Modern Village Project (Residential Building Aspect in Wasit Governorate)	<a href="#">journal of Economics And Administrative Sciences</a>	Volume: 21 Issue: 85 Pages: 169-201 publish in(2015)
14	Material Requirements Planning for the Electric Motor in Fuzzy Environment for State Company for Electric Industries	<a href="#">journal of Economics And Administrative Sciences</a>	Volume: 22 Issue: 90 Pages: 170-197 publish in (2016)
15	A Fuzzy Dynamic programming for the Optimal Allocation of Health Centers in some Villages around Baghdad	Baghdad Science Journal	Volume: 24 2021
16	Maximizing the performance of the Iraqi Armed Forces and determining the optimal path for them using the dynamic programming	International Journal of Nonlinear Analysis and Application	Volume 12, Special Issue, Winter and Spring 2021, 847-860
17	A plan for transportation and distribution the products based on multi-objective travelling salesman problem in fuzzy environmental	Periodicals of Engineering and Natural Sciences	Vol. 9, No. 4, September 2021, pp.5-22
18	Ensemble bat algorithm based on Hyper heuristic approach for solving unconstrained optimization problems	Turkish Journal of Computer and Mathematics Education	Vol.12 No.10 (2021), 5466-5478

19	An integrated model for solving production planning and production capacity problems using an improved fuzzy model for multiple linear programming according to Angelov's method	Periodicals of Engineering and Natural Sciences	Vol. 9, No. 3, August 2021, pp.715-724
20	Aggregate production planning of Abu Ghraib Dairy factories based on forecasting and goal programming	International Journal of Operational Research	Volume 46 Issue2, Pages 189-209

### ■ Ninth, Membership:

- Member of Scientific Committee of the Department of Industrial Management
- Member of the scientific sobriety in the Department of Industrial Management
- Chairman of the tools and machines in the Department of Industrial Management
- Member of the Curriculum Development in Industrial Management Section
- Member of the Master of open study evaluating the general performance
- Chairman of the Committee absences of third stage in the Department of Industrial Management
- Member of the administrative of Operations Research Society of Iraq
- Member of the editorial advisory board scientific journal. An impact factor (**Australian Journal of Basic and Applied Sciences (AJBAS)**)
- Member of the administrative of Operations Research Society of Iraq
  
- A ministerial committee to monitor the progress of final exams and exam committees and control the identities of the students at the College of Salam University 2013-2014

**Tenth, Awards and Certificates of Appreciation:**

No.	Name of Awards and Certificates	Donor	Year
1	No. (1) of the first Arabic language course and the cycle of educational qualification	President of the University of Baghdad	2005
2	No. (1) due to get a master's degree	Dean of the Faculty of Education, Ibn Rushd	2004
3	No. (8) between commitment and attendance and completion of work committees exam	Dean of College of Administration and Economics	2005-2008
4	No. (10) between commitment and attendance and completion of work committees exam	Dean of College of Administration and Economics	2010-2016
5	No. (1) on the occasion of global scientific publishing journals with a sober impact factor	Director of missions and cultural relations	2013
6	No. (1) Shield Virtue	Dean of College of Administration and Economics	2015
7	No. (1) Shield of academic excellence to participate in scientific research Eighth Conference of the Faculty of Administration and Economy	Dean of the Faculty of Business and Economics and the Dean of the Institute of Accounting	2013
8	No. (6) on the occasion of global scientific publishing journals with a sober impact factor	President of the University of Baghdad	2012-2016

**languages:**

- ✓ Arabic language
- ✓ English language