

## CV



**Name:** Alaa kareem Mohammed AL-Dulaimi

**DOB:** Iraq - Baghdad /1960

**General Specialization:** Ph.D Chemical Engineering

**Specific Specialization:** Transport Phenomena

**Scientific Degree:** Assistant professor.

**Languages:** Arabic - English

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### **First: Scientific Certification:**

No.	Certificate	Country	University	College	Date
1	B.Sc. Chemical Engineering	Iraq	Baghdad	Engineering	1982
2	M.Sc. Chemical Engineering	Iraq	Baghdad	Engineering	1986
3	Ph.D. Chemical Engineering	Iraq	Baghdad	Engineering	1996

### **Second: University Teaching:**

No.	Faculty	University	Dated (from – to)
1	Al-Khwarizmi college of Engineering	Baghdad	2014 – Cont.
2	Institute of genetic Engineering and biotechnology for post graduate	Baghdad	2004 - 2014
3	College of Engineering / Chem. Eng. Dept.	Baghdad	1997 - 1998

### ■ Third: Thesis Supervised By:



No.	Research Title	Branch	M.Sc. / PhD.	Year
1	Biosynthesis of silver nanoparticle using olive leaf extract and studying its toxicological effects ( <i>in vivo</i> & <i>in vitro</i> )	Baghdad/Genetic engineering institute	Ph.D.	2016
2	The effect of <i>hmgA</i> gene on pigment production and some virulence determinants of <i>Pseudomonas aeruginosa</i>	Baghdad/Genetic engineering institute	Ph.D.	2015
3	Biological treatment of Petroleum Refinery wastewater	Baghdad/Genetic engineering institute	Ph.D.	2010
4	Production of rayon from date fronds	Baghdad/Al-Khwarizmi Engineering College/Biochemical Eng. Department	M.Sc.	2016
5	Bio-treatment of hydrocarbon contaminated soil using mixed culture	Baghdad/Al-Khwarizmi Engineering College/Biochemical Eng. Department	M.Sc.	2016
6	Detection of biological and chemical pollution of water samples from different sources using Biological Assay	Baghdad/Genetic engineering institute	M.Sc.	2013
7	Study of effect of different extract from <i>Boswellia</i> on glucose level in rats blood	Baghdad/Genetic engineering institute	M.Sc.	2013
8	Syntheses and characterization of Nano composite Particles and their Antimicrobial activity <i>in vitro</i> .	Baghdad/Genetic engineering institute	M.Sc.	2013
9	Municipal wastewater treatment using Membrane Bioreactor.	Baghdad/Genetic engineering institute	M.Sc.	2011
10	A study of factors affecting the preparation of Pentachlorophenol	Baghdad/College of Engineering/ Chemical Engineering department	M.Sc.	2001
11	Study the variation burning system behavior of single Base Powder.	Military college of Engineering	M.Sc.	2003
12	Production of yeast Extract from Spent Brewer's Yeast	Baghdad/Genetic engineering institute	M.Sc.	2002

## Forth: Conferences Participated In:

No.	Conference Title	Year	Place	Participation Type
1	Fourth Kuwait conference of chemistry Kcc-2016	2016	Kuwait	Participant
2	First international Scientific conference	2016	Southern technical University/ Basrah	Participant
3	First Conference of Renewable and sustained Energy	2015	Iraqi Engineering Society	Participant
4	Conference on Frontiers of Chemical Sciences VII: Research and Education in the Middle East",	2015	Morocco/Rabat	Participant
5	Second international Scientific conference for environment and sustainable development.	2015	University of technology	Participant
6	Turkish – Arabic Conference of Education	2014	Istanbul University / Turkey	Participant
7	First International conference of applicable biotechnologies.	2013	Al-Nahrin University / Iraq	Participant
8	Second Scientific Conference of Science	2012	University of Anbar	Participant
9	First Feminist National Scientific Conference about the role of women in scientific and technological research	2012	Baghdad/Ishtar hotel	Participant
10	Second Scientific Conference of the college of Science	2012	College of science/ Tikrit University	Participant
11	The Eighth Scientific Conference of Pure Science	2012	College of science/Al-Mustansiriya University	Participant
12	Conference on Frontiers of Chemical Sciences V: Research and Education in the Middle East",	2011	UNESCO Headquarters, Paris, France	Participant
13	First international conference of genetic engineering.	2011	University of Baghdad, Iraq	Participant
14	Conference on Frontiers of Chemical Sciences IV: Research and Education in the Middle East"	2009	Amman, Jordan	Participant
15	Second scientific conference of genetic Engineering and biotechnology	2009	University of Baghdad, Iraq	Participant
16	First scientific conference of genetic Engineering and biotechnology	2008	University of Baghdad, Iraq	Participant
17	Second scientific conference of al-khwarizmi college	2008	University of Baghdad, Iraq	Attendant
18	Second national scientific conference of chemical and petrochemical engineering	2002	University of Tikrit, Iraq	Participant
19	Symposium of Biofuels production technologies	2011	University of Baghdad/genetic of Engineering	Participant
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No.	Conference Title	Year	Place	Participation Type
21	Symposium of chemical safety and security	2011	University of Baghdad/genetic of Engineering institute	Participant

### **Fifth: Research Projects in The Field of Specialization Concerning Environment & Society or the Development of Education:**

No.	Research Title	Place of Publication	Year
1	Study of hydrodynamic of self-induction impellers fermenter.	Iraqi journal of Biotechnology	2009
2	Desulfurization and Denitrogenation of oil fraction by different techniques.	To be researched	
3	Removal of Thiophens compounds from liquid acid fuel by layers of different adsorbent	To be researched	





### Sixth: Membership:

No.	Name of Group	Year	Membership Type
1	Member of scientific research authority/ Ministry of higher education scientific research	2013 - 2014	member
2	Member of Baghdad University Council	2013 - 2014	member
3	Member of Genetic Engineering Council. / Baghdad university.	2010 -2013	member
4	Member of Dijla college university council./ representative of Ministry of higher education	2013 -2014	member
5	Member of editorial board of Journal of Modern Science and Heritage	2013 – Cont.	member
6	Member of editing staff for <i>the Iraqi journal of Biotechnology</i>	2011 - 2013	member
7	Chairman of the Scientific Council and the administrative center for the development and continuing education / University of Baghdad	2013 - 2014	Chairman
8	Chairman of the Advisory Office for the computer center and Informatics.	2013 - 2014	Chairman
9	Member of the Advisory Office of the Institute for Genetic Engineering and Biotechnologies.	2010 - 2013	member
10	Member of Association of Iraqi genetic and environmental resources conservation.	2013 – Cont.	member

### Seventh: Scientific Activities:

No.	Activity Type <sup>1</sup>	Activity Place	Year	(in/out) College
1	Training and developing program for teaching staffs	Malaysia/ UKM university	2012	Out of college
2	Training in the field of chemical safety in laboratories	Baghdad university /College of science	2011	Out of college
3	Program of re-training and re-orientation of Iraqi experts in the field of bio-chem. technology for peaceful applications	Italy	2010	Out of college

<sup>1</sup> Activity Type: Research, industrial, commercial, exchange of scientific expertise... etc.



## **Eighth: Courses You Taught:**

No.	Branch	Material	Year
<b>1</b>	Biochemical Eng. Dept. /Al-khwarizmi college.	Bioreactor Design./B.Sc.	2014 -
<b>2</b>	Biochemical Eng. Dept. /Al-khwarizmi college	Thermodynamics. /B.Sc.	2014 -
<b>3</b>	Baghdad / Genetic Eng. Institute.	Environmental protection biotechnologies/Ph.D.	2013
<b>4</b>	Baghdad / Genetic Eng. Institute.	Fermenters. Ph.D.	2004 - 2013
<b>5</b>	Military academy/Military Eng. college	Heat transfer./Ph.D.	2002 - 2004
<b>6</b>	Military academy/Military Eng. college	Mass transfer./ Ph.D.	1999 - 2002
<b>7</b>	Baghdad / Genetic Eng. Institute.	Environmental Bio-technologies. /M.Sc.	2013
<b>8</b>	Baghdad / Genetic Eng. Institute.	Biochemical Eng. /M.Sc.	2002 - 2013
<b>9</b>	Baghdad / Genetic Eng. Institute.	Computer applications /M.Sc.	2003 - 2013
<b>10</b>	Military academy/Military Eng. college	Heat transfer/M.Sc.	2000 - 2003
<b>11</b>	Military academy/Military Eng. college	Thermodynamics. /M.Sc.	1999 - 2001
<b>12</b>	Military academy/Military Eng. college	Mass transfer. /M.Sc.	1999 - 2003
<b>13</b>	Baghdad/Engineering/Chemical	Stochastic. /M.Sc.	1997 - 1999
<b>14</b>	Genetic Engineering institute/ University of Baghdad	Biochemical Engineering. / High Diploma	2000 - 2013
<b>15</b>	Baghdad / Genetic Eng. Institute.	Computer applications. / High Diploma	2001 - 2013
<b>16</b>	Chemical Engineering	Mass transfer. /B.Sc.	1995
<b>17</b>	Military Engineering college.	Mass transfer. /B.Sc.	2000 -2003
<b>18</b>	Military Engineering college.	Heat transfer. /B.Sc.	2000 - 2003

## **Ninth: Published Researches in/out Iraq:**

No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
1	Using locally isolated <i>Chlorella Vulgaris</i> in wastewater Treatment.	<i>Eng. &amp; Tech. journal</i>	4	34	Technology university
2	Biosynthesis and Characterization of Silver Nanoparticles Using Olive Leaves Extract and Sorbitol	<i>Iraqi Journal of Biotechnology</i>	1	15	Genetic institute./ university of baghdad
3	Cytotoxic Effect of Pyomelanin Pigment Produced from Local <i>Pseudomonas aeruginosa</i> Isolates on Different Cell Lines Using MTT Assay	<i>Iraqi Journal of Biotechnology</i>	1	15	Genetic institute./ university of baghdad
4	Modeling of mass transfer Coefficient in Rotating Biological Contactor with perforated discs (RPBC)	<i>Al-Khwarizmi Engineering Journal,</i>	4	11	Al- Khwarizmi Engineering college
5	Purification and Physiochemical Characterization of Pyomelanin pigment production from Local <i>Pseudomonas Aeruginosa</i> Isolates	<i>World journal of Pharmaceutical Research,</i>	10	4	India
6	Effect of silver Nanoparticals in Liver Function Enzymes and Oxidative Stress Levels	<i>World journal of Pharmaceutical Research,</i>	9	4	India
7	Bioethanol Production from waste Potatoes	<i>Al- Khwarizmi Engineering journal</i>	4	10	Al- khwarizmi college.
8	Effect of Some Factors on Biosorption of Lead by Dried Leaves of Water Hyacinth ( <i>Eichhornia Crassipes</i> )	<i>Int. J. Pure Appl. Sci. Technol.</i>	2	17 year 2013	India
9	Study the effect of temperature on the performance of Hollow fiber membrane bioreactor in Wastewater treatment	<i>Asian Academic Research Journal Of Multidisciplinary</i>	20	1	India



No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
10	Studying the optimum conditions for cellalase production from wheat straw and papyrus straw using <i>Trichoderma viride</i>	International Journal of Bio-Technology and Research.	3	3 Year 2013	India.
11	Bio production of hydrogen by water – gas shift reaction using packed bed reactor.	International Journal of Biological & Pharmaceutical Research.	8	4 year 2013	India
12	Biotreatment of AL-KARAMA Teaching Hospital Wastewater Using Aerobic Packed Bed	<i>J. Baghdad for Sci.</i>	1	10 year 2013	College of Science for women./Baghdad University
13	Biological Treatment of Hydrocarbon Compounds in Oil Refinery Waste Water.	<i>Iraqi J. Biotech.</i>	1	11 year 2012	Institute of genetic engineering and bio technologies
14	Biodegradation and Bioaccumulation Rate of PCBs in Cows	<i>Journal of Engineering and Development</i>	4	10 year 2012	Al-Mustansiriya University
15	Bio-production of Ethanol in packed Bioreactor.	<i>Iraqi Journal of Chemical and Petroleum Engineering</i>	2	8 year 2009	College of engineering /University of Baghdad
16	Study of Hydrodynamics in Stirred Bioreactor	<i>Iraqi Journal of biotechnology</i>	2	8 year 2008	Institute of genetic engineering and bio technologies
17	Using urease enzyme produced from <i>proteus mirabilis</i> in the estimation of blood urea concentration	<i>Iraqi Journal of biotechnology</i>	2	8 year 2009	Institute of genetic engineering and bio technologies
18	Performance of gas induction in a Dual – impeller Agitated Bioreactor	. Al- Khwarizmi Engineering journal	4	4 year 2008	Al- khwarizmi college
19	. Mass Transfer Characteristic of Air – Suction Type Fermenters	Al- Khwarizmi Engineering journal	3	4 year 2008	Al- khwarizmi college
20	Modeling of mixing Time for Bioreactors with self – inducing Impeller	<i>Um- Salama Science Journal</i>	4	5 year 2008	College of Science for women./Baghdad University.





No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
21	Factors Affecting Aeration in Fermenters with Air- Suction Type Impeller.	. <i>Iraqi Journal of biotechnology</i>	2	7 year 2008	Institute of genetic engineering and bio technologies
22	Production of yeast extract from spent Brewer's yeast	<i>Iraqi Journal of biotechnology</i>	1	4 year 2005	Institute of genetic engineering and bio technologies
23	Drop size distribution in a Graesser contactor.	<i>Canadian Journal of chemical engineering</i>		68	Canada





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

No.	Name of Awards or Certificate	Donor	Year
1	Certificate of appreciation	Minister of higher education and scientific research.	2013
2	Certificate of appreciation	Minister of higher education and scientific research.	2013
3	Acknowledgement and appreciation	Director of Minister office	2013
4	Acknowledgement and appreciation.	Deputy of Minister for scientific affairs.	2014
5	Acknowledgement and appreciation.	Deputy of Minister for administrates affairs.	2014
6	Acknowledgement and appreciation.	Deputy of Minister for scientific affairs.	2014
7	Valuation efforts	Deputy of Minister for scientific affairs.	2013
8	Acknowledgement and appreciation.	General director of cultural relations	2013
9	Acknowledgement and appreciation.	President of Baghdad university	2014
10	Acknowledgement and appreciation.	President of Baghdad university	2014
11	Acknowledgement and appreciation.	President of Baghdad university	2013
12	Acknowledgement and appreciation.	Vice president of Baghdad university for scientific affairs	2013
13	Acknowledgement and appreciation.	President of Baghdad university	2013
14	Acknowledgement and appreciation.	President of Baghdad university	2013
15	Acknowledgement and appreciation.	Chief of ministries team for Al- Tarabutt project.	2013
16	Acknowledgement and appreciation.	Vice president of Karbala university for scientific affairs	2013
17	Acknowledgement and appreciation.	President of Baghdad university	2013
18	Acknowledgement and appreciation.	General director of cultural relations	2014
19	Acknowledgement and appreciation.	Chief of Child's future organization.	2014
20	Acknowledgement and appreciation.	President of Baghdad university	2014
21	Acknowledgement and appreciation.	Deputy of Baghdad secretariat.	2014
22	Acknowledgement and appreciation.	General director of cultural relations	2014



No.	Name of Awards or Certificate	Donor	Year
23	Acknowledgement and appreciation.	Dean of scientific college of Wasit University	2014
24	Acknowledgement and appreciation.	Vice president of Baghdad university for administrative affairs.	2013
25	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2013
26	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2013
27	Acknowledgement and appreciation.	President of Baghdad university	2011
28	Acknowledgement and appreciation.	President of Baghdad university	2011
29	Acknowledgement and appreciation.	President of Baghdad university	2008
30	Acknowledgement and appreciation.	President of Baghdad university	2008
31	Acknowledgement and appreciation.	President of Tikrit university	2002
32	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2012
33	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2011
34	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2010
35	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2013
36	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2008
37	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2007
38	Acknowledgement and appreciation.	Dean of Institute of genetic engineering and biotechnologies.	2005
39	Acknowledgement and appreciation.	Dean of Engineering college..	1994



### **Eleventh: Scientific literature:**

No.	Scientific Literature Title	Year of The Publication
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### **Twelfth: Career:**

No.	Career	Workplace	From -To
1	Collegiate professor	Al-Khwarizmi Engineering college. /Baghdad university	2014 – Cont.
2	Vice President of Bagdad University	Baghdad University	2013 - 2014
3	Collegiate professor	Institute of Genetic engineering and Biotechnologies. / Baghdad University	2006 - 2014
4	Director of planning and following section.	Institute of Genetic engineering and Biotechnologies. / Baghdad University	2009 - 2014
5	Director of planning and following directorate.	Al-Basel Company/ ministry of science and Technology.	2000 - 2003
6	Director of Engineering projects directorate	Al-Basel Company/ Ministry of science and Technology.	1996 - 2000
7	Project Manager	Iraqi Atomic Energy commission	1988 - 1993
8	Chemical design engineer	Iraqi Atomic Energy commission	1986 - 1988