

C.V



Name: Amer Jabbar Jarad Al-Hamzawi

Date of Birth: 1/3/1975

Religion: Married

Martial statues: Muslim

No. of children: 2

Work Address: Department of Chemistry, College of Education for Pure Science /Ibn-Al-Haitham, University of Baghdad

Specialization: Chemistry/ Inorganic Chemistry

Position: University lecturer

Scientific Degree: prof.

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■ **First, Scientific Certification:**

Degree science	University	College	Date
B.Sc.	Baghdad	College of Education for Pure Sciences- Ibn-Al-Haitham	1999
M.Sc.	Baghdad	College of Education for Pure Sciences- Ibn-Al-Haitham	2002
Ph.D.	Baghdad	College of Science	2007

Any other	/	/	/
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 **Second, Career:**

No.	Career	Workplace	From -To
1	M.Sc.	College of Education for Pure Science-Ibn-Al-Haitham / University of Baghdad	2001-2002
2	Study of Ph.D	College of Education for Pure Science-Ibn-Al-Haitham / University of Baghdad	2003-2007
3	Lecturer	College of Education for Pure Science-Ibn-Al-Haitham / University of Baghdad	2007-2011
4	Asst.prof.	College of Education for Pure Science-Ibn-Al-Haitham / University of Baghdad	2011-2017
5	Prof.	College of Education for Pure Science-Ibn-Al-Haitham / University of Baghdad	2017-
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 **Third, University Teaching.**

No.	University	The (Institute / College)	From -To
1	Baghdad	College of Education for Pure Sciences-Ibn-Al-Haitham (M.Sc)	2001-2002
2	Baghdad	College of Education for Pure Sciences-Ibn-Al-Haitham(Lecturer)	2003-2007
3	Baghdad	College of Education for Pure Sciences-Ibn-Al-Haitham(Assit.prof.)	2011-2017
4	Baghdad	College of Education for Pure Sciences-Ibn-Al-Haitham(.prof.)	2017-
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■ **Fourth, Courses Which You Teach:**

No.	Department	Subject	Year
1	Chemistry	Inorganic chemistry	2002-
2	M.Sc. and Ph.D	Biochemistry of nitrogen and oxygen complexes	2012-
3	M.Sc. and Ph.D	Stability constants	2012-
4	M.Sc. and Ph.D	UV-Vis spectra	2012-
5	M.Sc. and Ph.D	Complexes of metal ions with nitrogen and oxygen compounds	2012-
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■ **Fifth, Thesis which was supervised by :**

No.	Thesis Title	Department	Year
1	Synthesis, characterization and biological activity study of some metal ions complexes with new azo ligand	Chemistry	2013
2	Synthesis, characterization and antibacterial activities of mixed ligands complexes of some β -lactam antibiotic drug	Chemistry	2014
3	Synthesis and characterization of new azo ligands and their complexes and studying their industrial and bacteriological applications	Chemistry	2015

4	Synthesis and spectral studies of azo ligands complexes and their industrial and biological applications	Chemistry	2018
5	Synthesis, characterization and biological activity of azo dyes complexes with some metal ions	Chemistry	2019
6	Synthesis, characterization and biological activity of Co(II),Ni(II),Cu(II) and Zn(II) complexes with azo dyes ligands	Chemistry	2020

■ Sixth, Conferences which you participated:

No.	Conferences Title	Year	Place	Type of Participation
1	The 11 th scientific conference of the Technical Education Authority 23-24/3/2009	2009	Technical College - Baghdad	Researcher
2	The 2 th scientific conference of pure and applied sciences 11-12 March 2009	2009	University of Kufa	Researcher
3	The 1 th specialized national conference 29-30 April 2010	2010	University of Thi-Qar/ College of Science	Researcher
3	The 3 th scientific conference of the College of Science / University of Diyala 6-7/ 5/2012	2012	University of Diyala / College of Science	Researcher
4	Ibn Al-Haitham 1 th International scientific conference 13 th -14 th December 2017	2017	University of Baghdad / College of Education for Pure Science Ibn-Al-Haitham	Researcher
5	1 th International virtual conference on Pure Science College of Science, University of Al-Qadisiyah 10 th -11 th June 2020	2020	University of Al-Qadisiyah / College of Science	Researcher

6	The 1 th International Conference on Pure Sciences (USPS) held at the Faculty of Science - University of Kufa July 13, 2020	2020	Faculty of Science / University of Kufa	Researcher
7	Online wasit 1 th international conference on corona virus pandemic 25-26 April 2020	2020	University of Wasit	Presence
8	1 th international virtual scientific that was held online at zoom program on April 22-23, 2020	2020	University of Al-Qadisiyah	Presence
9	Virtual Library	2012	College of Education for Pure Science Ibn- Al-Haitham	Presence
10	Effective implementation of academic public policies	2012	College of Education for Pure Science Ibn- Al-Haitham	Presence
11	Preparation of carbon nanotubes and their uses	2013	College of Education for Pure Science Ibn- Al-Haitham	Presence
12	Electrically conductive polymers	2013	College of Education for Pure Science Ibn- Al-Haitham	Presence
13	Introduction to climate change	2013	College of Education for Pure Science Ibn- Al-Haitham	Presence
14	Dual use of chemical and biological materials	2014	College of Education for Pure Science Ibn- Al-Haitham	Presence
15	Differential thermal calorimeter (DSC) and its practical applications	2014	College of Education for Pure Science Ibn- Al-Haitham	Presence

16	Presence, geographical spread and state of conservation	2014	College of Education for Pure Science Ibn- Al-Haitham	Presence
17	Synthesis and spectral study of the complexes of some metal ions with 2- (4- nitrophenyl azo) - 3,5-dimethyl phenol ligand	2015	College of Education for Pure Science Ibn- Al-Haitham	lecturer
18	Synthesis and characterization of 6-(4-nitrobenzene azo)-3-amino-benzoic acid complexes with Y(III) and La(III)	2015	College of Education for Pure Science Ibn- Al-Haitham	lecturer
19	Synthesis and characterization of 2-(carboxymethylene-amino)-phenylimino acetic acid (L) and its some metal complexes	2015	College of Education for Pure Science Ibn- Al-Haitham	Presence
20	Recycling	2016	College of Education for Pure Science Ibn- Al-Haitham	Presence
21	Cholecystitis	2016	College of Education for Pure Science Ibn- Al-Haitham	Presence
22	Synthesis and characterization of the geometrical structure and examination of the biological activity of the binuclear complexes of para-phenylene di-amine and 2-benzoyl benzoic acid	2016	College of Education for Pure Science Ibn- Al-Haitham	Presence
23	Uranium between enrichment and enrichment	2017	College of Education for Pure Science Ibn- Al-Haitham	Presence
24	Chemistry and a Nobel Prize	2017	College of Education for Pure Science Ibn- Al-Haitham	Presence

25	The basis for measuring biological activity	2017	College of Education for Pure Science Ibn- Al-Haitham	Presence
26	Peer-reviewed journals approved for academic promotion purposes	2018	College of Education for Pure Science Ibn- Al-Haitham	Presence
27	Publishing in internationally accredited journals	2018	College of Agriculture / University of Baghdad	Presence
28	Renewable energy and its future prospects	2018	College of Agriculture / University of Baghdad	Presence
29	Industrial fibers	2019	College of Education for Pure Science Ibn- Al-Haitham	Presence
30	Steps for writing scientific research and how to choose the right journal	2019	College of Education for Pure Science Ibn- Al-Haitham	Presence
31	Criteria for evaluating students' performance in the electronic classroom	2020	College of Engineering / Anbar University	Presence
32	Nanotechnology- applications and future prospects	2020	College of Education / University of Samarra	Presence
33	Positive parenting in light of the Corona pandemic	2020	Continuing Education Center/ University of Baghdad	Presence
34	Green chemistry, future chemistry with environmental flavor	2021	College of Science / University of Basra	Presence

35	Introduction to statistical analysis of data	2021	College of Science / University of Basra	Presence
36	Soil farming techniques	2021	College of Science / University of Basra	Presence

■ Seventh, Scientific Activities:

Within the College	Outside the College
Higher studies committee	Research evaluation for international journals
Civil defense committee	Chemical committee at the university
Database and activity documentation committee	Research evaluation for Iraqi journals
Scientific clearing committee	An expert for a number of Iraqi universities for the purpose of scientific promotion
Social committee	Patent evaluation for the Ministry of Planning - Standardization and Quality Control - Industrial Property
Examination committee	Postgraduate discussions - Masters and PhD
The competitive and comprehensive examination Committee	
Fact-finding and placement committees	
Lectures calculation Committee	
Committee for the disbursement and distribution of lectures for undergraduate and postgraduate studies	

Research evaluation for the journal and scholarly promotions	
Postgraduate discussions - Masters and PhD	

■ **Eighth, Research Projects in The Field of Specialization to**

The Environment and Society or the Development of Education:

No	Research Title	Place of Publication	Year
1	Synthesis and spectral analysis of VO(II),Cr (III) , Zn(II),Cd(II),Hg(II)and UO ₂ (II) Complexes with mixed ligands of bipyridyl and Schiff base	Diyala Journal of Scientific and Educational Research, Vol.36, pp.349-361	2009
2	Synthesis and characterization of some lanthanide metal ions complexes of Schiff base derived from p-fluoro benzoic acid and thiosemeicarbazide	The 2 th scientific conference of pure and applied sciences 11-12 March 2009, University of Kufa	2009
3	Synthesis and characterization of some metal ions (Co ^{II} ,Ni ^{II} ,Cu ^{II} ,Zn ^{II}) with new azo ligand	The 11 th scientific conference of the Technical Education Authority 23-24/3/2009, Technical College - Baghdad	2009
4	Synthesis and spectroscopic studies of new heterocyclic azo dye and their complexes with selected metal ions	AL- Mustansiriya Journal of Science, Vol.21, No.6, pp.251-257	2010
5	Synthesis, spectroscopic and dyeing performance studies of some new heterocyclic azo dyes and their complexes with selected metal ions	Ibn Al-Haitham Journal for Pure and Applied Science, Vol.23, No.1, pp.199-216	2010

6	Synthesis and characterization of Mn(II),Co(II),Ni(II),Cu(II) complexes with 2-(4-antipyrene azo)-tyrosine ligand	Tikrit Journal of Pure Science, Vol.15, No.3, pp.179-184	2010
7	Synthesis and characterization of Fe(II),Cd(II),Hg(II) and Ag(I) complexes with 2-thiotolylurea ligand	Journal of the University of Karbala, Vol.8, No.3, pp.86-92	2010
8	Preparation and characterization of mixed ligand complexes of Lanthanum (III) with 8- hydroxyquinoline and some amino acids	The 1 th specialized national conference 29-30 April 2010, University of Thi-Qar/ College of Science	2010
9	Synthesis and characterization of 2-amino-5-phenyl-1,3,4-oxadiazole complexes with selected metal ions	Journal of AL-Qadisiya For Pure Science,Vol.16, No.2, pp.21-32	2011
10	Synthesis and characterization complexes of 2-thiotolylurea with metal salts	Journal of College Education /AL-Mustansiriya University, No.6, pp.543-554	2011
11	Synthesis and spectral studies of Zn ^{II} , Cd ^{II} and Hg ^{II} complexes with 5-(2-benzoic acid azo)-8-hydroxyquinoline	Journal of Baghdad For Science, Vol.9, No.1, pp.178-186	2012
12	Synthesis and characterization of azo dye complexes with selected metal ions	Journal of Al-Nahrain University Science, Vol.11, No.3, pp.31-45	2012
13	Synthesis and characterization of azo compound 5-(2-benzoic acid azo)-8-hydroxyquinoline as bidentate ligand and Its Complexes with Co(II),Ni(II) and Cu(II)	Journal of AL-Qadisiya For Pure Science,Vol.17, No.3	2012
14	Synthesis and characterization of heterocyclic azo dye complexes with selected metal ions	Journal of Karbala University,Vol.10, No.4, pp.22-32	2012
15	Synthesis and characterization of 3-(4-antipyrene azo)-4-amino benzoic acid complexes with selected metal ions	The 3 th scientific conference of the College of Science / University of Diyala 6-7/ 5/2012	2012

16	Synthesis and characterization mixed ligands of Phenylalanine and tributylphosphine complexes with selected metal ions	Journal of the College of Basic Education, Vol.19, No.79, pp.715-722	2013
17	Synthesis and characterization of mixed ligands of dithizone and Schiff base complexes with selected metal ions	Diyala Journal For Pure Science, Vol.11, No.3, pp.67-76	2013
18	Synthesis, characterization of new azo compounds and studies effect on the Ach Enzyme(Invitro)	International Journal of Engineering Sciences and Research Technology, Vol.2	2013
19	Synthesis, spectral and antimicrobial activity of mixed ligand complexes of Co(II), Ni(II), Cu(II) and Zn(II) with anthranilic acid and tributylphosphine	Chemistry and Materials Research, Vol.3, No.3, pp.126-133	2013
20	Synthesis and characterization of 4-(4-nitrobenzene azo)-3-aminobenzoic acid complexes with Y(III) and La(III) ions	European Chemical Bulletin, Vol.2, No.6, pp. 383-388	2013
21	Synthesis and characterization of benzoic acid 2-salicylidene complexes with selected metal ions	International Journal of Scientific Research, Vol.2, No.6, pp.64-67	2013
22	Analytical profile of 4-(4-nitrobenzene azo)-3-aminobenzoic acid on surface of natural granulated calcined Iraqi montmorillonite clay mineral, via columnar method	Chemical and Process Engineering Research, Vol.19, pp.1-14	2014
23	Synthesis and characterization of some new metal complexes 2-(4-nitrophenylazo)-2,4-dimethylphenol	International Journal of Engineering Sciences and Research Technology, Vol.3, No.8, pp.401-406	2014
24	Synthesis, physico-chemical and antimicrobial properties of some metal(II)- mixed ligand complexes of tridentate Schiff base derives from B-lactam antibiotic[(cephalexin mono hydrate)-4-chlorobenzophenone] and saccharin	International Journal of Chemical and Process Engineering Research, Vol.1, No.11, pp.109-120	2014

25	Synthetic, spectroscopic and antibacterial studies of Fe(II),Co(II),Ni(II),Cu(II),Zn(II),Cd(II) and Hg(II) mixed ligand complexes of saccharin and amoxicillin(antibiotics)	Chemistry and Materials Research, Vol.6, No.3, pp.20-30	2014
26	Synthesis, characterization and antimicrobial studies of 2-(4-antipyrene azo)-4-nitroaniline with some metal ions	Journal of the College of Basic Education, Vol.21, No.91, pp.33-48	2015
27	Synthesis, spectral and antimicrobial activity of mixed ligand complexes of Co(II),Ni(II),Cu(II) and Zn(II) with 4-aminoantipyrene and tributylphosphine	International Journal of Current Research,Vol.7, No.5, pp.15605-15609	2015
28	Synthesis and characterization of 3,5-dimethyl-2-(4-nitrophenyl azo)-phenol complexes with Co(II) and Ni(II) and study its effect on activity of Ach Enzyme(invitro)	Chemistry and Materials Research, Vol.7, No.8, pp.17-32	2015
29	Synthesis, spectral studies and antimicrobial evaluation of 6,6-(1,2-benzenediazo) bis (3-aminobenzoic acid) complexes with some metal ions	Journal of Al-Qadisiyah For Pure Science, Vol.20, No.1, pp.148-159	2015
30	Synthesis and biological studies of Co(II),Ni(II),Cu(II) and Zn(II)Complexes with N-((2,3-dioxindolin-1-yl)-N-methylbenzamide)	Diyala Journal For Pure Science, Vol.11, No.3, pp.67-76	2015
31	Hypothetical design of carbon nanotube materials based on [8] circulene	Journal of Nanoelectronics and Optoelectronics, Vol.10, pp.1-6	2015
32	Synthesis, spectral, dyeing performance and biological activity studies of azo dyes complexes with some metal ions	International Journal of Humanities, Arts, Medicine and Sciences, Vol.3, No.10, pp.197-210	2015
33	Synthesis, characterization and spectral studies of Y(III), La(III) and Rh(II) complexes with 2,4-dimethyl-6-(4-nitrophenyl azo)-phenol	Ibn-Al-Haitham Journal For Pure Science, Vol.29, No.1, pp.89-101	2016
34	Synthesis and antibacterial activity of some mixed ligand complexes	Transactions of Engineering and Sciences, Vol.4, No.2, pp.42-47	2016

35	Synthesis, spectral and dyeing performance studies of 4-(2-amino-5-nitro-phenylazo)-1,5-dimethyl-2-phenyl-1,2-dihydro-pyrazol-3-one complexes with some metal ions	Baghdad Science Journal, Vol.13, No.4, pp.838-845	2016
36	Synthesis, characterization and antibacterial activity of mixed ligands complexes of some metal ions with 2-aminophenol and tributylphosphine	Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol.8, No.3, pp.1-8	2017
37	Preparation, spectral studies and biological efficiency of metal (II) mixed ligand complexes Schiff base derived from (benzaldehyde and o-aminoaniline) with 8-hydroxyquinoline	Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol.8, No.6, pp.179-189	2017
38	Synthesis, characterization and antibacterial evaluation for mixed-ligand complexes of Nickle (II), Manganese (II), Copper (II), Cobalt (II) and Mercury (II) with tetradentate Schiff base and 1,10-phenanthroline	Al-Mustansiriyah Journal of Science, Vol.28, No.2, pp.80-85	2017
39	Synthesis, spectral studies and antimicrobial activity of mixed ligand complexes of cephalixin and dimethylglyoxime with some first row transition metal ions	Available at SSRN 3030385	2017
40	Synthesis and spectral studies of heterocyclic azo dye complexes with some transition metals	Journal of Physics: Conference Series, Vol.1003, pp.1-13	2018
41	Synthesis, spectral studies and biological activity of azo dye complexes with some metal ions	Journal of Global Pharma Technology, Vol.10, No.6, pp.97-106	2018
42	Synthesis and characterization of azo dyes ligands complexes with Ni (II) and Cu (II) and studies their industrial and bacterial application	Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol.9, No.2, pp.631-642	2018

43	Synthesis, spectral of azo dyes complexes with Ni (II) and Cu (II) and their industrial and bacteriological application	International Journal of Science and Research, Vol.7, No.4, pp.1291- 1301	2018
44	Synthesis, characterization and microbial efficiency of azo dye ligand complexes with some metal ions	Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol.9, No.6, pp.144-155	2018
45	Demonstrate of magnetic field effect on the capability of adsorption process in the removal of azo dye from the aqueous solution on calcined Iraqi betonies clay mineral via Colum	Journal of Engineering and Applied Sciences, Vol.13, p.10687-2018	2018
46	Synthesis, characterization and microbial evaluation of heterocyclic azo dye ligand complexes of some transition metal(II) ions	Asian Journal of Chemistry, Vol.31, No.3, pp.727-732	2019
47	Synthesis, characterization, spectral of azo dyes ligands complexes with Rh(III) and La(III) and studies their industrial and bacterial application	Journal of Global Pharma Technology, Vol.11, No.9, pp.158-169	2019
48	Synthesis, characterization and antibacterial activity from mixed ligand complexes of 8-hydroxyquinoline and tributylphosphine for some metal ions	Revista de Chime Vol.70, No.1, pp.36-70	2019
49	Synthesis, spectral studies and microbial evaluation of azo dye ligand complexes with some transition metals	Journal of Pharmaceutical Sciences and Research, Vol.11, No.1, pp.98-103	2019
50	Synthesis, characterization and biological activity of mixed ligand metal salts complexes with various ligands	Journal of Physics: Conference Series, Vol.1660, pp.1-13	2020
51	Synthesis, characterization and biological evaluation of thiazolyl azo ligand complexes with some metal ions	Journal of Physics: Conference Series, Vol.1664, pp.1-17	2020
52	Synthesis, characterization and biological evaluation of Cr(III), Fe(III), Co(II), Ni(II), Zn(II) and Cd(II) complexes using an azo dye as ligand	Revista de Chimie, Vol.71, No.6, pp.1-8	2020

53	Synthesis, characterization, industrial and biological application of Co (II), Ni (II), Cu (II) and Zn (II) complexes with azo ligand derived from metoclopramide hydrochloride and 3, 5-dimethylphenol	Egyptian Journal of Chemistry, Vol.63, No.12, pp.4719-4729	2020
54	Synthesis, characterization and antibacterial study of new glyoxalic acid and its (N ₂ O ₄) Mn ^{II} ion complex	Egyptian Journal of Chemistry, Vol.63, No.1, pp.325-335	2020

■ **Ninth, Membership:**

- Member of the American Chemistry Society
- Al-Nahrain International society of Iraqi Scientists
- Iraqi Chemistry Society

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

No.	Name of Awards and	Donor	Year
1	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2012
2	A letter of thanks from the Dean of the College	Faculty of Science / University of kufa	2013
3	A letter of thanks from the President of the University	University of Baghdad	2013
4	A letter of thanks from the President of the University	University of Baghdad	2014
5	A letter of thanks from Mr. Administrative Assistant	University of Baghdad	2014
6	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2014
7	A letter of thanks from the Dean of the College	College of Education / University of Al-Qadissiya	2014

8	A letter of thanks from the Dean of the College	College of Education / University of Al-Qadissiya	2014
9	A letter of thanks from the Dean of the College	College of Science for Women / University of Baghdad	2014
10	A letter of thanks from the Dean of the College	Faculty of Education for Girls / University of kufa	2015
11	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2015
12	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2015
13	A letter of thanks from the Dean of the College	College of Science / University of Al-Qadissiya	2015
14	A letter of thanks from the Central Organization for Standardization and Quality Control	The Ministry of Planning	2015
15	A letter of thanks from the President of the University	University of Baghdad	2016
16	A letter of thanks from the President of the University	University of Baghdad	2016
17	A letter of thanks from the President of the University	University of Baghdad	2016
18	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2016
19	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2016
20	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2016

21	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2016
22	A letter of thanks from the Dean of the College	College of Education / University of Al-Qadissiya	2017
23	A letter of thanks from the President of the University	University of Baghdad	2018
24	A letter of thanks from the Dean of the College	Faculty of Science / University of kufa	2018
25	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2018
26	A letter of thanks from the Dean of the College	Faculty of Science / University of kufa	2018
27	A letter of thanks from the head of the Department of Applied Sciences	Applied Sciences Department / University of Technology	2018
28	A letter of thanks from the Dean of the College	College of Education / University of Al-Qadissiya	2018
29	A letter of thanks from the Dean of the College	Faculty of Education for Girls / University of kufa	2018
30	A letter of thanks from the Dean of the College	College of Education for Pure Science - Ibn Al-Haitham / University of Baghdad	2018
31	A letter of thanks from the Minister	Ministry of Higher Education and Scientific Research	2019
32	A letter of thanks from the President of the University	University of Baghdad	2019
33	A letter of thanks from the President of the University	University of Baghdad	2019
34	A letter of thanks from the Dean of the College	College of Education / University of Al-Qadissiya	2019
35	A letter of thanks from the Dean of the College	College of Science / University of Al-Qadissiya	2019

36	A letter of thanks from the Minister	Ministry of Higher Education and Scientific Research	2020
37	A letter of thanks from the Minister	Ministry of Higher Education and Scientific Research	2020
38	A letter of thanks from the President of the University	University of Baghdad	2020
39	A letter of thanks from the President of the University	University of Baghdad	2020
40	A letter of thanks from the Dean of the College	College of Sciences /Al-Nahrain University	2020
41	A letter of thanks from the Dean of the College	College of Education / University of Al-Qadissiya	2020
42	A letter of thanks from the Dean of the College	Faculty of Education for Girls / University of kufa	2020
43	A letter of thanks from the Minister	Ministry of Higher Education and Scientific Research	2021

■ **Eleventh, Scientific literature:**

No.	Scientific Literature Title	Year of The Publication
1	Chemistry of the soft drinks	2019
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■ **Twelfth, languages:**

- ✓ Arabic
- ✓ English
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