

## Academic teacher C.V.



**Name:** Ayyad Wajeh Raof Al-Shahwany

**Date of Birth:** 15<sup>th</sup> / January /1961 -Baghdad -Iraq

**Religion:** Muslim

**Marital status:** Married

**No. of children:** three

**Specialization:** Botany, medical plants physiology

**Position :** teacher

**Scientific Degree:** Professor

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### **■ First, Scientific Certification:**

<b>Degree science</b>	<b>University</b>	<b>College</b>	<b>Date</b>
B.Sc.	Slah Al deen University	College of Agriculture	1983
M.Sc.	Baghdad university	College of Agriculture	2001
Ph.D.	Baghdad university	College of Agriculture	2006

 **Second, Career:**

<b>No.</b>	<b>Career</b>	<b>Workplace</b>	<b>From -To</b>
1.	Agricultural Engineer	Ministry of Manufacture	1983-1990
2.	First Agricultural Engineer	Ministry of Manufacture	1990-2003
3.	Assistant lecturer	Biology Department ,College of Science – Baghdad University	2003-2006
4.	Lecturer	Biology Department ,College of Science – Baghdad University	2006-2009
5.	Assistant professor	Biology Department ,College of Science – Baghdad University	2009-2015
6.	Professor	Biology Department ,College of Science – Baghdad University	2015-2018

 **Third, University Teaching.**

<b>No.</b>	<b>University</b>	<b>The (Institute / College)</b>	<b>From -To</b>
1	Baghdad	College of sciences	2003-2007
2	Mosul	College of sciences	2007-2008
3	Baghdad	College of sciences	2008-2018

**Fourth, Teaching Courses :**

No.	Department	Subject	Year
1.	Plant physiology + medical plant (3rd Biology Students)	College Science of Baghdad University	2003-2007
2.	Allelopathic(4 <sup>th</sup> Biology Students)	College Science of Mosul University	2007-2008
3.	Plant physiology + medical plant (3rd Biology Students) + Advances plant hormone	College Science of Baghdad University	2008-2009
4.	Plant physiology + medical plant (3rd Biology Students) + Advances plant physiology	College Science of Baghdad University	2009-2010
5.	Plant physiology + medical Plant (3rd Biology Students) + Advances plant physiology + Advances plant growth and development	College Science of Baghdad University	2010-2011
6.	Plant physiology + medical Plant (3rd Biology Students) + Advances plant physiology + Advances plant Hormone + Advances plant under stress	College Science of Baghdad University	2011-2018

**Fifth, The Supervised Thesis:**

No.	Thesis Title	Department	Year
1-	Antagonistic activity evaluation of some plants extracts in control of algae and associated organisms.	Department of biology / college of science . Uni. of Baghdad	2010
2-	Extraction of Alkaloids from <i>Piunica granatum</i> L. roots using liquid membrane tech nique .	Department of chemical engineering / college of engineering. Uni. Of Baghdad.	2011
3-	Screening of bread wheat cultivars ( <i>Triticum aestivum</i> L.) to water deficit stress under field conditions	Department of biology / college of science . Uni. of Baghdad	2013
4-	Evaluation of three plant extracts activity to the stopping of bleeding in Albino Mice .	Department of biology / college of science . Uni. of Baghdad	2013
5-	Inhibitory effect of some medicinal plant extracts on some pathogenic fungi	Department of biology / college of science . Uni. of Baghdad	2013
6-	Effect of integration between N-fixing bacteria isolated from soil and sub recommended rats of chemical fertilizer on growth and yield of wheat.	Department of biology / college of science. Uni. of Baghdad	2014
7-	The effect of bio-fertilizers on drought tolerance of two wheat( <i>Triticum aestivum</i> L.) cultivars under filed conditions.	Department of biology / college of science. Uni. of Baghdad	2014
8-	Bioremediation of crude oil by free and immobilized cells of <i>P. aeruginosa</i> produced lipase.	Department of biology / college of sciece . Uni. of Baghdad	2015
9-	Increasing the antimicrobial activity of some plant extracts against antibiotic resistant <i>Staphylococcus aureus</i> by using silver nanoparticles	Department of biology / college of science. Uni. of Baghdad	2016
10	Evaluate the effect of mulching and maxing with <i>Helianthus annuus</i> residues on growth and yield of <i>Vicia faba</i> L.	Department of biology / college of science. Uni. of Baghdad	2017

11-	Evaluation of Phytochemical Toxic Compound Extracted from Some Medical Iraqi Plants	Department of biology / college of science . Uni. of Baghdad	2018
12-	Evaluation of some medicinal plant extract in reducing silver nano-particles toxicity in <i>vivo</i> and <i>vitro</i>	Department of biology / college of science . Uni. of Baghdad	2018



**■ Sixth, Conferences .:**

<b>No.</b>	<b>Conferences Title</b>	<b>Year</b>	<b>Place</b>	<b>Type of</b>
1	3 <sup>rd</sup> Scientific Con. for Agric. Res.	2005	Bible University	Lecture
2	6 <sup>th</sup> Scientific Con. for Agric. Res.	2006	Min. of Agri.	Lecture
3	The First Conference of Biotechnology Research Center/ Nahrain University.	2008	Nahrain University.	Lecture
4	1 <sup>st</sup> Scientific Conference for Institute of Genetic Engineering and Biotechnology	2009	Baghdad University	Lecture
5	7 <sup>th</sup> Scientific Con. for Agric. Res.	2009	Min. of Agri.	Lecture
6	3 <sup>th</sup> scientific Con. of the college of science. Baghdad University.	2009	Baghdad University	Lecture
7	1 <sup>st</sup> Scientific Conference for biology Department /college of science for women's.	2010	Baghdad University	Lecture
8	1 <sup>st</sup> Scientific Conference for biology Department /college of science.	2012	Baghdad university	Lecture

9	The Second Conference of Biotechnology Research Center.	2013	Nahrain University	Lecture
10	The 1st International Scientific Agricultural Conference/ college of Agriculture .	2013	Sulaimani University	Lecture
11	Biology department Seminar / Science College	2014	University of Baghdad	Lecture
12	2 <sup>st</sup> Scientific Conference for biology Department /college of science for womens.	2105	University of Baghdad	lecture
13	The 2st International Scientific Agricultural Conference/ college of Agriculture.	2015	University of Baghdad	lecture
14	The Short- term training & Enhancement program (STEP) of professional development in biological education ,medicinal plant research, and student support	2015	University of Missouri /college of Engineering in Columbia .Missouri	Participant
15	The first postgraduate students Conference of Biological Sciences.	2016	University of Baghdad	Lecture
16	IREX Iraq Higher Education Conference	2016	<b>Royal Tulip Hotel, Baghdad</b>	Participant

17	Workshop in Indian traditional medicines	2016	Embassy of india /baghdad	Participant
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**Seventh, Scientific Activities:**

Years	Outside the College
2008-2015	Representative of ministry of Higher Education and Scientific Research at the Committee of Cultivation and development of Medical plants & Spice Herbs at the Ministry of Agriculture
2009-2018	Representative of Faculty of Science at the National Board for Selection Plant Drugs at the Ministry of Health.

**Eighth: The published Research:.**

No.	Research Title
1.	Seasonal Changes of N and K Concentration in Leaves of Date Palm and Olive Trees Under Irrigated and Drought Conditions. Iraqi Journal of Agricultural Sciences Vol.33 (6):135-142(2002).
2.	Seasonal and Diurnal Changes of Leaf Water Potential of Date Palm, Olive and Eucalyptus Trees under Western Desert Conditions, Iraq. Iraqi Journal of Agricultural Sciences Vol.34 (2):27-36(2003).
3.	Seasonal Changes in Some Phenotypic and Carbohydrates Content in Leaves of Date Palm, Olive and Eucalyptus Trees in the Western Desert, Iraq. Iraqi Journal of Agricultural Sciences Vol.34 (3):91-96(2003).
4.	Production Cucumbers by Using Sand Culture Technique and Nutrient Composition. Iraqi Journal of Agricultural Sciences Vol.36 (3):135-142(2005).
5.	Effect of Irrigation Water Salinity Stress on the Diurnal Praline Content and water potential tress in <i>Pisum sativum</i> L. Journal of Um-Salama for Science Vol. 4(30):351-357(2007).
6.	Effect of Irrigation Water Salinity Stress on Growth and Yield of <i>Pisum sativum</i> L. 6th Scientific Con. for Agric. Res. (2008).





7.	Effect of Seasonal Changes on Stomata and Leaner in <i>Potato Solanum tuberosum</i> L. and Its Relation to Productivity. 6th Scientific Con. for Agric. Res. (2008).
8.	Effect of Saline Water and Potassium Fertilizer on Nitrogen Fixation in <i>Pisum sativum</i> L. Journal of Um-Salama for Science Vol. 5(1):19-26(2008).
9.	Effect of Some Pumpkin Seed Oils on some Pathogenic Skin Bacteria. Al-Nahrain University Journal for Science Vol.11 (2):20-25. (2008).
10.	Effect of Organic Fertilization on Soil Structure and Some Aggregates Characteristics, and Onion ( <i>Allium cepta</i> L.) Yield and Roots Anatomy Traits. Alexandria science exchange journal Vol.29 (2): (2008).
11.	Biochemical interaction between Eucalyptus, Neem residues with some plants and microorganisms .The First Conference of Biotechnology Research Center/ Nahrain University . Special issue (2008)
12.	The Effect of Some Medical Plants Oils on the Bacteria Growth of <i>Staphylococcus aureus</i> , <i>Proteus vulgaris</i> Isolated from Skin Infections.1st Scientific Conference for Institute of Genetic Engineering and Biotechnology Vol.8(1):2009.
13.	Effect of Spraying Three Plant Extracts on the Growth, Yield of Potato Irrigated With Water Saline. 7th Scientific Con. for Agric. Res. (2009).
14.	Aspects in the Ecology of <i>Capparis spinosa</i> L. in Drought Season at the College of Agriculture, (Abu-Ghraib) Iraq. 3th scientific Con. of the college of science. Baghdad University. Specail issue .(2009)
15.	Evaluation of Allelopathic Effect of Fifty <i>Sorghum bicolor</i> L. Genotypes on Germination and Growth of some Weed in vivo and in vitro. The First Conference of Biotechnology Research Center/ Nahrain University. (2010).
16.	Allelopathic Effects of <i>Eucalyptus camaldulensis</i> essential oil against <i>Ascochyta rabri</i> (pass). Labrouse .The Arab Journal of Arid Environment 4(1):1-8.2011
17.	Antagonistic activity evaluation of <i>Eucalyptus camaldulensis</i> essential oil in control of algae and associated microorganisms . International Journal of Scientific &Engineering Research Vol2,Issue 9, September 2011.
18.	Antialgal Activity of The Extracted Oils from Some Plants. 1 <sup>st</sup> Scientific Conference for biology Department /college of science. University of Baghdad. Special issue (2012).
19.	Screening of bread Wheat cultivars ( <i>Triticum aestivum</i> L.) to water deficit stress under field conditions . 1 <sup>st</sup> Scientific Conference for biology Department /college of science. University of Baghdad. Special issue (2012)

20.	Comparative Evaluation of Alkaloids Extraction Methods from the Root Bark of <i>Punica granatum</i> Linn. <i>Advances in Bioresearch</i> . Volume 4 [1] March2013: 33- 39.
21.	Evaluation of the Activity of Crude Alkaloids Extracts of <i>Zingiber officinale</i> Roscoe., <i>Thymus vulgaris</i> L. and <i>Acacia arabica</i> L. as Coagulant Agent in Lab Mice . <i>Biomedicine and Biotechnology</i> , 2013, Vol. 1, No. 2, 11-16
22.	Influence Soaking Gibberellin acid on seed germination for Citrus limetta and Citrus limonum and growth seedlings . The second Conference of Biotechnology Research Center/ Nahrain University. (2013).
23.	Alkaloids and Phenolic Compound Activity of <i>piper nigrum</i> Against Some Human Pathogenic Bacteria. <i>Biomedicine and Biotechnology</i> , 2014, Vol. 2, No. 1, 20-28.
24.	Effect of antifungal activity of some medicinal plants against some fungi isolated from canal around Al- Jadriah / Baghdad – Iraq. <i>Journal of Zankoy Sulaimani</i> . Vol. 16 Special Issue & main=13.2014
25.	Inhibitory effect of some medicinal plant extracts on some pathogenic fungi . <i>Iraqi journal of sciences</i> ,2014 ,Vol 55 ,No. 2A ,pp:352-359.
26.	Effect of mineral and bio-fertilizer application on growth and yield of wheat <i>Triticum aestivum</i> L. <i>Iraqi Journal of Science</i> , 2014, Vol 55, No.4A, pp: 1484-1495.
27.	Antimicrobial Effects of Silver Nanoparticles Produced by Laser Ablation. <i>Iraqi Journal of Science</i> , 2015, Vol 56, No.3B, pp: 2170-2186
28.	Effect Evergreen Plant trees in Reducing Air Pollution. <i>IRAQI JOURNAL OF BIOTECHNOLOGY VOLUME 14 - NUMBER 2 - 2015</i>
29.	Antifungal Activity of <i>Brevundimonas diminuta</i> Against <i>Fusarium oxysporum</i> on Tomato Plants under Greenhouse Condition. ( Under publishing ).
30.	Extraction and Characterization of Antifungal Substances from <i>Brevundimubson asdiminuta</i> and Their Effect on <i>Fusarium oxysporum</i> ( Under publishing ).
31.	Increasing antimicrobial activity of some plant extracts against antibiotic resistant <i>Staphylococcus aureus</i> by using silver nanoparticles. <i>World J Exp Biosci</i> . Volume. 4, Number1, 2016.

32.	Evaluation of <i>Tinospora cordifolia</i> Willd. Extracts Against Algal Growth. . <i>Iraqi Journal of Science, 2016, Vol 56, No.3A.</i>
33.	Effects of sodium azide and some amino acids on callogenesis of khardel <i>brassica nigra</i> . <i>Iraqi Journal of Science, 2016, Vol 56, No.3A.</i>
34.	Optimization of Callogenesis from Khardel Aswed <i>Brassica nigra</i> L. local Iraqi cultivar. <i>Int. J. of Multidisciplinary and Current research, Vol.4 (Jan/Feb 2016)</i>
35.	Antibacterial and Anti-biofilm Activity of three Phenolic Plant Extracts and Silver Nanoparticles on <i>Staphylococcus aureus</i> and <i>Klebsiella pneumonia</i> . <i>Biomedicine and Biotechnology, 2016, Vol. 4, No. 1, 12-18</i>
36.	The effect of allelopathic interaction between sunflower residues and foliar application on potato ( <i>solanum tuberosum</i> L.) plants. <i>The advanced science journal. Volume 2016 issue 03.</i>
37.	Qualitative and Quantitative analysis of sinigrin in different parts <i>In Vitro</i> and <i>In Vivo</i> of <i>Brassica nigra</i> plants. <i>Biomedicine and Biotechnology, 2016, Vol. 4, No. 1, 19-24.</i>
38.	Cytotoxic effects of three plants against the human hepatocarcinoma HepG2 and L <sub>20</sub> B cell lines. <i>Journal of Biotechnology Research Center.2016.</i>
39.	Impact of air pollution on some morphological and physiological characteristics in some evergreen plants in Baghdad city, Iraq. <i>Iraqi Journal of Biotechnology, 2015, Vol. 14, No. 2 , 429-443</i>
40.	Allelopathic Interactions of Sunflower Mulch on Growth and Yield of Faba Bean and Mate Weeds. <i>International Journal of Science and Research, Volume 6 Issue 7, July 2017</i>
41.	Histopathological Effect of ( <i>Peganum harmala</i> ) Alcoholic Extract of Seeds on Liver and Kidney in Mice. <i>Biomedicine and Biotechnology, 2017, Vol. 5, No. 1, 1-5</i>
42.	Study the Acute & Sub Acute Toxicity of <i>Ricinus cummunis</i> Lnn. Ethanol Extract of Seed in Albino Mice. <i>IJSRM Volume 06 Issue 02 February 2018.</i>
43.	Biogenic Synthesis and Characterization of Silver Nanoparticles Using Some Medical Plants and Evaluation of Their Antibacterial and Toxicity Potential. <i>Journal of AOAC International Vol. 101, No. 3, 2018.</i>

### **Ninth, Membership:**

-  Representative of Faculty of Science at the National Board for Selection Plant Drugs at the Ministry of Health.
-  Representative of ministry of Higher Education and Scientific Research at the Committee of Cultivation and development of Medical plants & Spice

## Herbs at the Ministry of Agriculture

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

No.	Name of Awards and Certificates	Donor	Year
1.	I have many Awards more than 40	Ministry of Manufacture	1983-2003
2.	I have many Awards more than 30	Baghdad University/ college of sciences	2003-2018
3.	Ten Award	Ministry of Healthy	2011-2018
4.	Twenty Certificate	Ministry of Higher Education and Science Research	2003-2018
5.	I obtained three patents in the field of botany	Central Agency for Standardization and Quality Control in the Ministry of Planning / Iraq	1991-2018

### ■ Eleventh, Scientific literature:

No.	Scientific Literature Title	Year of The Publication
1.	Cyclopedia for medicinal Iraqi plants ( part one ) ( In Arabic ).	2013

### ■ Twelfth, languages:

- ✓ Arabic
- ✓ English