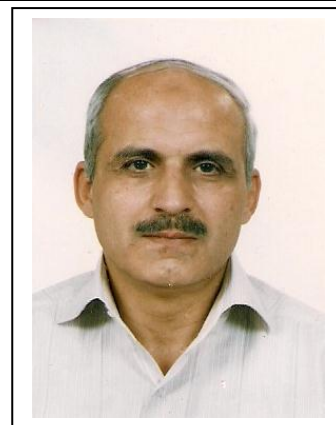


Academic teacher C.V.



Name: Ayyad Wajeh Raof Al-Shahwany

Date of Birth: 15th / January /1961 -Baghdad -Iraq

Religion: Muslim

Marital status: Married

No. of children: three

Specialization: Botany , medical plants physiology

Position : teacher

Scientific Degree: Assistant professor

Work Address: Biology Department ,College of Science –Baghdad University .

Work Phone:

Mobile: +964 7701852834

E-mail: a61_bio@yahoo.com ,ayyadwajih@yahoo.com

ayyadwajih@scbaghdad.edu.iq

First, Scientific Certification:

| Degree science | University | College | Date |
|-----------------------|-------------------------|------------------------|-------------|
| 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:**

| No. | Career | Workplace | From -To |
|-----|-----------------------------|---|-----------|
| 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 | 2009-2016 |

 **Third, University Teaching.**

| No. | University | The (Institute / College) | From -To |
|-----|------------|---------------------------|-----------|
| 1 | Baghdad | College of sciences | 2003-2007 |
| 2 | Mosul | College of sciences | 2007-2008 |
| 3 | Baghdad | College of sciences | 2008-2016 |

■ **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 th 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 | 2011-2016 |

■ 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 |

■ Sixth, Conferences :

| No. | Conferences Title | Year | Place | Type of |
|------------|---|-------------|---------------------|----------------|
| 1 | 3 rd Scientific Con. for Agric. Res. | 2005 | Bible University | Lecture |
| 2 | 6 th 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 st Scientific Conference for Institute of Genetic Engineering and Biotechnology | 2009 | Baghdad University | Lecture |
| 5 | 7 th Scientific Con. for Agric. Res. | 2009 | Min. of Agri. | Lecture |
| 6 | 3 th scientific Con. of the college of science. Baghdad University. | 2009 | Baghdad University | Lecture |
| 7 | 1 st Scientific Conference for biology Department /college of science for women's. | 2010 | Baghdad University | Lecture |
| 8 | 1 st Scientific Conference for biology Department /college of science. | 2012 | Baghdad university | Lecture |

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|----|--|------|--|-------------|
| 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 st 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 | Royal Tulip Hotel, Baghdad | Participant |

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|----|--|------|---------------------------|-------------|
| 17 | Workshop in Indian traditional medicines | 2016 | Embassy of india /baghdad | Participant |
|----|--|------|---------------------------|-------------|

■ **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 |
| 2010-2016 | 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). |

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|-----|---|
| 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 Lerner 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 cepa</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 st Scientific Conference for biology Department /college of science. University of Baghdad. Special issue (2012). |

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| 19. | Screening of bread Wheat cultivars (<i>Triticum aestivum</i> L.) to water deficit stress under field conditions . 1 st 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. Advances in Bioresearch .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 . Biomedicine and Biotechnology, 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. Biomedicine and Biotechnology, 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. Journal of Zankoy Sulaimani. Vol. 16 Special Issue & main=13.2014 |
| 25. | Inhibitory effect of some medicinal plant extracts on some pathogenic fungi .Iraqi journal of sciences ,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). |

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| 31. | Increasing antimicrobial activity of some plant extracts against antibiotic resistant <i>Staphylococcus aureus</i> by using silver nanoparticles . <i>World J Exp Biosci. Volume. 4, Number1, 2016.</i> |
| 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> .(Under reviewer) |
| 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.(Under reviewer). |
| 38. | Cytotoxic effects of three plants against the human hepatocarcinoma HepG2and L ₂₀ B cell lines .(Under reviewer). |

■ **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 25 | Baghdad University/ college of sciences | 2003-2016 |
| 3. | Five Award | Ministry of Healthy | 2011-2016 |
| 4. | Five Certificate | Ministry of Higher Education and Science Research | 2003-2016 |

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