

## Curriculum Vitae



**Full Name:** Dr. Ali A. M. Al-Salihy

**Date of birth:** 1957, Iraq

**Religion:** Muslim

**Martial statues:** Married

**E. Mail:** [alsalihyali2@yahoo.com](mailto:alsalihyali2@yahoo.com)

**Mobile:** 00964-7801673877

**Specialization:** Plant tissue culture

**Position:** Lecturer

**Scientific Degree:** Assistant Prof.

### **Work address:**

Institute of Genetic Engineering and Biotechnology for Post Graduate Studies, Baghdad University. Ministry of Higher Education and Scientific Research.

### **Academic qualifications:**

- 1- B. Sc. 1979 Horticulture, College of Agriculture/ University of Mosul / Iraq
- 2- M.Sc. 1994 Horticulture, College of Agriculture/ University of Baghdad / Iraq
- 3- Ph.D. 2002 Horticulture, College of Agriculture/ University of Baghdad / Iraq

**MSc. Thesis:** The response of seven Potato (*Solanum tuberosum* L.) cultivars to tissue culture College of Agri., Baghdad Univ. 1994.

**Ph.D. Dissertation** : Radio sensitivity of potatoes ( *Solanum tuberosum*L) propagated in-vitro to gamma radiation .. College of Agri., Baghdad Univ. 2002.

## **Position:**

1. Head, Plant tissue culture unit. IAEA 1994-2003.
2. Head, Plant tissue culture Dept., Ministry of Science & Technology 2003 - 2008
3. Assistant Prof. Institute of Genetic Engineering and Biotechnology for Post Graduate Studies, Baghdad University. Ministry of Higher Education and Scientific Research. 2008- till now.
4. Rapporteur of genetic engineering unit in the institute till now.
- 5 - Secretary of the Institute Board and Director of the secret pen in the Institute of Genetic Engineering from 30/11/2014 until 3/10/2016.
- 6 - Associate Dean for Scientific and Administrative Affairs / Institute of Genetic Engineering for Graduate Studies from 1/10/2016 until 15/1/2019.
- 7-- Teaching at the Institute of Genetic Engineering from 15/1/2019 until now.

## **Innovation entitle:**

“Using Incubation Technique for Propagation High Grade of Potato Seeds” & No. 3198 Dated 26/2/2006.

Discussion committees for postgraduate students:

Doctorate 9

Masters: 10

Higher Diploma: 33

Evaluation of scientific research: more than 45

Postgraduate Scientific Assessment:

PhD theses: - 9

Master Theses: - 12

## **Supervision f students :**

Ph.D. = 6 , Ms.c = 6 , Dp. 20

## **Awards and certificates of Appreciation:**

1. Award Mesopotamia / 1993 with a letter of thanks from the Minister of Agriculture .
2. Granting feet for a month in 1993.
3. Appreciations (5 )of the Iraqi Atomic Energy Organization of former .

4. Appreciation from the Minister of Science and Technology in 2006.
5. Appreciation from the President of the University of Baghdad, the number of 1/2009 .
6. Granting equal to one month from the President of the University of Baghdad, 2009.
7. Appreciation from Ms. Dean of the Institute of Genetic Engineering for Graduate Studies-University of Baghdad / Number 2/ 2009 and 2010.
8. Appreciation from Ms. Dean of the Institute of Genetic Engineering - University of Baghdad in 2012.
9. Appreciation from the President of the University of Baghdad in 2012.
10. Appreciation from Mr. Undersecretary of the Ministry of Culture in 2013.
11. Appreciation from Mr. Dean of the Institute of Genetic Engineering-Baghdad in 2013.
12. Appreciation from Mr. Undersecretary of the Ministry of Environment in 2013.
13. Appreciation from the Minister of Higher Education and Scientific Research in 2013.
14. Appreciation from the President of the University of Baghdad in 2013.
- 15.** Appreciation from Mr. Dean of the Institute of Genetic Engineering Number 2 / 2 014.
16. Appreciation from the President of the University of Baghdad in 2014
17. Appreciation from the scientific assistant to the President of the University in 4/2015.
18. Appreciation from Mr. Dean of the Institute of Genetic Engineering in 10/2015.
19. Appreciation from efforts of the President of the University of Baghdad 11/2015.
20. Appreciation from the Dean of the Faculty of Science for Girls in 1/2016.
21. Appreciation from the President of the University of Baghdad 1/2016.
22. Appreciation from the Ministry of Science and Technology 3/2016.
23. Appreciation from the Dean of the Faculty of Science for Girls on 5/2016.
24. Appreciation from Mr. Dean of the Institute of Genetic Engineering in 6/2016.
25. Appreciation from the University of Baghdad 23/10/2016
26. Appreciation from Dean of the Faculty of Veterinary Medicine Fallujah University 20/3/2017
27. Appreciation from Dean of the Faculty of Education for Girls University of Kufa 27/4/2017
28. Appreciation from the Central Organization for Standardization and Quality Control 28/8/2017

29. Appreciation from the Dean of the Institute of Genetic Engineering 12/9/2017
30. Appreciation from the Dean of the Faculty of Applied Medical Sciences, University of Karbala 13/11/2017
31. Appreciation from the Dean of the Institute of Genetic Engineering 13/11/2017
32. Certificate of valuation of a patent from the Egyptian Association of Inventors 1/3/2017
33. Awarded the shield of excellence by the Dean of the Institute of Genetic Engineering 15/11/2017
34. Appreciation from the Central Organization for Standardization and Quality Control 7/3/2018
35. Appreciation from the Central Organization for Standardization and Quality Control 28/5/2018
36. Appreciation from the Dean of the Faculty of Science for Girls 28/8/2018
37. Appreciation from the Central Organization for Standardization and Quality Control 2/8/2018
38. Appreciation from the President of the University of Baghdad 11/11/2018
39. Appreciation from the President of the University of Baghdad 14/11/2018
40. Appreciation from the scientific assistant president of the University of Baghdad 16/1/2019
41. Appreciation from the Dean of the Institute of Genetic Engineering 10/3/2019
42. Appreciation from the Dean of the Institute of Genetic Engineering on 2/5/2019

### **Training and Workshop:**

- 1- Work shop in Biosafety and Biosecurity/**Amman, Jordan** 31January -1 February ,2012 .
- 2- Training In Genetic Engineering /**National Research Center/Giza-Egypt** 2010
- 3- Genetic Transformation of Plants and Role of Molecular Markers in Crops Improvement. Douma- Damascus, 18-28/12/2006.
- 4- Practical course: Genetics Transformation of Plants & Detection of Genetically Modified Organisms. **ICARDA. 28 May – 8 June 2006. Aleppo, Syria.**
- 5- Plant Breeding Using Tissue Culture Techniques /**Fellowship IAEA /Vienna / 1997 for 6 months.**
- 6- Propagation of Potato by Tissue Culture Technique / **Training in Syria/** organized by Arab org. Agric. Develop. 1995 for 2 weeks.

7- Training course in plant breeding and improvement - Vienna - Austria International Atomic Energy Agency - for 6 months 1997-1998.

8-. Training course in the field of genetic modification of plants and investigation of GMOs for the period from 28/5 to 8/6/2006. ICARDA - Aleppo - Syria.

9- Training course in plant genetic modification and the role of molecular parameters in crop improvement. Douma, Damascus, 17-28 December 2006.

10 - Training course (genetic engineering between theory and practice) / National Research Center / Arab Republic of Egypt - 2010.

11. Workshop (Occupational Safety and Biosecurity) / Jordan - Amman 30/1 - 2/2/2012.  
Participate in training courses inside the country.

12 - Scientific visit to the National Research Center and the Agricultural Research Center in the Republic of Egypt for a period of 0

13 - Recent courses, including the establishment of a course for graduate students on 11-11 – 2018 >

14 - Workshop on study leave in the Department of Scientific Affairs / Faculty of Engineering on 7/11/2018.

15- Al-Safwif Educational Course / Ibn Sina Center on 18-19 / 19/2019.

### **Scientific conferences and symposia:**

1- Third Scientific Conference of the Supreme Council of Scientific Societies / Salahuddin 21-23 / 12/1991.

2- The eight Scientific Conference for Agriculture Engineering Syndicate Association 16-18 / 11/1992 .

3- The twelfth Scientific Conference of the Association for Biotechnology / Babylon February 18 to 20/1992 .

4- Second Arab Conference on the prospects of modern biotechnologies / **Amman-Jordan 24-28 / 4/1993.**

5- The first scientific conference of Field Crops Research / Baghdad / 15-17 Maes / 1993.

- 6- Conference Second Country of Biotechnology .25-26 / 12/2002.
- 7- The first scientific conference of the Agricultural Research / Baghdad 1999 .
- 8- The first World Conference in Biotechnology / **India --2,008.**
- 9- Second Scientific Conference / Institute for Genetic Engineering Graduate / 2009 .
- 10- Seventh Scientific Conference on Agricultural Research / Ministry of Agriculture / 2009.
- 11- Second Scientific Conference for Biotechnology Research center / Al-Nahrain Univ. 2009.
- 12- The First International Scientific Conference / Institute for Genetic Engineering / University of Baghdad -2011.
- 13- VIII Scientific Conference on Agricultural Research . Ministry of Agriculture / Baghdad 2012.
- 14- International Conference for the development of higher education in Iraq / Baghdad in 2012.
- 15- first scientific conference of the Department of Field Crops / College of Agriculture, Baghdad 2013.
- 16- International Scientific Conference of the first bio-technologies applied in 2013.
- 17- First International Scientific Conference of Applied Biotechnology / Al-Nahrain University 2013.
- 18- Second International Scientific Conference of the Institute of Genetic Engineering 2014.
- 19- International Conference of the Egyptian Society of Experimental Biology, Egypt 2014.
- 20- First International Conference of Biological Sciences - University of Baghdad 6-8 / 2015.

21 - The first scientific student conference - University of Baghdad / Institute of Genetic Engineering 1/6/2016.

23- The 10th Scientific Conference for Agricultural Research / Ministry of Agriculture / 28/11/2017.

24- Third International Scientific Conference Institute of Genetic Engineering 25-26 / 10/2017.

25- The Sixth Scientific Conference for Buffalo Development / Ministry of Agriculture / 18/12/2018.

26- The Second International Conference of Biotechnology, Al-Nahrain University, Biotechnology Research Center, 3-4-2019.

27- The Fourth International Scientific Conference of the Institute of Genetic Engineering 29-0130 / April 2019

Participation in several scientific seminars inside the country .

### **List of publication:**

- 1- Yousif, D.P.; AL-Jibouri, A.M and **Mahdi, A.A.**( 1992). Test of general combining ability and salt tolerance of sunflower (*Helianthus annuus* L.) Lines . J.IPA Agri. Res. 2(2).
- 2- AL-Jibouri, A.A.M; Ibrahim, I. F. and **Mahdi, A.A.**( 1992). Isozyme and protein analysis of induced Rust resistant wheat mutants. J. of Islamic Academy of Sciences, 5: 115-117.
- 3- AL-Jibouri, A.A.M. and **Mahdi, A.A.** (1993). Purity determination in *Hordeum vulgare* L. mutants by using isozymes and protein analysis. 1<sup>st</sup> Sci. Conf. Field Crop. Ministry of Agri. Baghdad, Iraq.
- 4- Al- Jibouri, A. A. M. :Kgazal, M.A.; **Mahdi, A.A.** (1993)Production Of artificial seeds by capsulation of an sexual embryos in Date Palm .. Proc. Symp. Arabic 2 of Date Palm. Baghdad IRAQ.

- 5- AL-Jibouri, A.A.M.;; Kgazal, M.A.; Salbi, M.; **Mahdi, A.A.** and Hassan, H. M. (1993). Production of potato tubers through tissue culture technique. 2nd Arab Conf. Recent Biotechnological Aspects. Amman, Jordan.
- 6- **Al- Salihy, A. A. M.** (1994). The response of seven Potato (*Solanum tuberosum* L.) cultivars to tissue culture. MSc. Thesis, College of Agri., Baghdad Univ.
- 7- **Al- Salihy, A. A. M.** ; Al- Jibouri, A. A. M.; AL- Jiboury, K. H.; AL- Hussainy, Z.A. H. 1996. Use of electrophoresis technique for isozyme studies in tissue culture propagated ( *Solanum tuberosum* L.). Iraqi J. Agri.Sci. 27(1):1-14.
- 8- AL-Jibouri, A.A.M.; Hameed, M. K.; **Al- Salihy, A. A. M.**; AL- Baiaty, D.A. and Abd- Aljabar, Z. (1997). Micropropagation of pear (*Pyrus communis* L.) rootstocks. Journal of Iraqi agriculture 42(2): 68-82.
- 9- **Al-Salihy, A.A.M.** ; Al-Jibouri, A.A.M. ; Al-Jibouriy, K.H. ; Al-Hussainy, Z.A.H. (1999). Evaluation of some potato (*Solanum tuberosum* L.)Cultivars to tissue culture. Iraqi J. Agri. (Special Issue) V. 4 (3):79-89.
- 10- AL-Jibouri, A.M.; Yousif, D.P.; and **Al-Salihy M. A.A.**( 2000). Selection for general combining ability in sunflower (*Helianthus annuus* L.) by topcrossing . Sci. J. Iraqi Atomic Energy Commission, 2.: 83-91.
- 11- Al- Jibouri, A. A. M.; **Al- Salihy, A. A. M.** ; AL – Aubaidi, H. K. M.; AL- Kaabe, E.A.K.; AL- Jiuary, M. H. K; Zamil, Q. M.( 2001).Breeding of wheat ( *Triticum aestivum* L.) for salt tolerance using tissue culture technique and gamma rays . Iraqi J. Biotech. 3(2):5-21.
- 12- Al- Jibouri, A. A. M.; **Al- Salihy, A. A. M.** ; AL – Aubaidi, H. K. M.; AL- Kaabe, E.A.K.; Zamil, Q. M.; AL- Mendalawy, F.N.H.( 2001). Effect of gamma radiation and salinity on some cellular contents of callus of six bread genotypes ( *Triticum aestivum* L.) . Sci. J. Iraqi Atomic Energy Commission, 3(2): 137-148.



- 13- **Al- Salihy, A. A. M.** (2002). Radio sensitivity of potatoes ( *Solanum tuberosum*L) propagated in-vitro to gamma radiation .Ph D. dissertation . College of Agri., Baghdad Univ.
- 14- .A.J. Alkaby,A. A. M., Al jibouri, **A. A. Al Salihy**, Q.M. Zamil: (2002)Comparison three Genotypes propagate *in vitro* &Shoots for growth and yield in Sugar Cane. 8st Sci. Conf. for Foundation of Technical Education.
- 15- E.A.J. Alkaby,A. A. M., Al jibouri, **A. A. Al Salihy**, Q.M. Zamil and A.A. Al aubaidy , F.N.Hassin ,( 2004). A comparison of mature and immature embryos for callus induction and plants regeneration of four *Triticum aestivum* L. Iraqi J. Biotech, 6(2): 37-48.
- 16- Z.A.AL-Jabbar,A.A.M.Jibouri,**A.A.Mahdi**,F.N.Hassin and M.A.Kareem (2005).Effect of Gamma Irradiation on Vegetative and Root Growth of Three Sugarcane Genotypes (*Saccharum officinarum* L.)*In vitro* .Iraqi J.of sci.and tech.2(1)P17-23.
- 17- **Al- Salihy, Ali**; Al jibouri, A. A. (2006). Effect of Gamma Radiation on Growth of Four Potata (*Solanum Tuberosum* L.) Varieties Propagated In Vitro: 1.Effect on Plant Height and Number of Branches and Leaves. Jordanian J. of Agricultural Science, 2(3): 283-289.
- 18- Hussini, Z.; Al Jibouri, A. and **Al- Salihy, Ali**.(2007). Micropropagation of kiwi Actinidia chinesis. Aum Salama J. 4(2):233-238.
- 19- **Al- Salihy, Ali. A. M .**;Yousif, D.P.; E.A.J. Alkaby,A. A ; AL-Jibouri, A.M.; Hussini, Z. (2007).Effect of PEG and gamma radiation in callus growth for two corn cultivars. J.Nahrin uni.10(2)77-82.
- 20- Eklas,A.AL-KAABY; A.A.Al-Jibouri; **Ali A. Al-Salihy** ;Ashwak.A.Al-Aubaidy;Qassimm,M.Zamil(2007).Effect of Gamma Radiation on Callus Induction and Plant Regeneration of four Wheat ( *Triticum aestivum* L.) Genotypes. Aum Salama J. 4(3).

- 21- **Al –Salihy A. M** (2008). Effect of Gamma Irradiation on the Isozymes systems and Chromosome Number of Four Varieties of Potato (*Solanum Tuberosum* L.) propagated *in vitro*. 1<sup>st</sup> International Conf. in Recent advances in Biotechnology VIT Uni. India p:106-113. .India
- 22- L.A.Hatem; A.I.Alwan and **A.A.Al-Salihy** (2009).Rooting Plant of Date Palm *in vitro* Iraqi J. Agri. (Special Issue) V.14 (6)
- 23- **A.A.M.Al-Salihy** (2009) Effect of Gamma Radiation on Growth of Some Potato Cultivars propagated *in vitro* under field conditions Iraqi J. Agri. (Special Issue) V.14 (6) .
- 24- A. A. Al-jibouri and **A. A. Al-Salihy** (2009)Production high class of micro tuber Potato Seeds by Using tissue culture technique Biotechnology Research center (Special Issue) Al-Nahrain Univ. Iraq V.3(2) .
- 25- Zainab A.Al-Hussaini ; Abdul Al-Jasim Al-Jiboury; **Ali A.Al-Salihy**and Sahar N.Abdul-Wahab (2010).Effect of explants and Gamma Irradiation on Callus induction of three Soybeans Genotypes *in vitro*. *Iraqi j. for bioTechnologies* 9 (3) .
- 26- Eklass A.EL-Kaaby;Falah H.Issa;Rana A.AL-Roomy; **Ali A.AL-Salihy**; Abd-Aljasim Al-Jiboury ;Zamil Q.M. and Ashwak A. AL-Aubaidy (2010). Effect of Salinity Stress on Irradiated Callus and Plant Regeneration of Eight Sugarcane Cultivars *in vitro* Mustansiriya J. Sci. Vol.21,No.1 .
- 27- E. Muhmmmed, A.K. ; Al-Hussaini ,Z.A.H. and **Al-Salihy,A.A.M.** (2011).Effect of Sucrose and Naphthalene acetic acid Concentrations on Rooting of Sugarcane *In vitro*. Biotechnology Research center (Special Issue) Al-Nahrain Univ. Iraq V.5(2) .
- 28- ZainabA.Al-Hussaini,AbdulAl-JasimM.Al-Jiboury;**AliA.AL-Salihy**, Muhammed A.Kareem,Flah N.Hassan,Noora S.Abd(2011). Effect of Gamma

Irradiation on Vegetative Growth of three Sugarcane Genotypes (*Saccharum officinarum* L. ) In field .Baghdad j. of Science 8(4).

29- **Ali A. AL-Salihy**, Hawazen H. Saleh & Wisam H. Salo (2014). GENETIC VARIATIONS OF FOUR POTATO VARIETIES (*SOLANUM TUBEROSUM* L.) PROPAGATE *IN VITRO* USING RAPD-PCR .Inter.J.of advanced biological research .V. 4(3)248-251.

30- - **Ali A. Al-Salihy**, Hiba A. Jawad, Rami A. Taki and Ahmed Q. Zayed (2014). Evaluation the Response of four Potato Varieties (*Solanum tuberosum* L.) to Growth under Salinity Stress condition *in vitro* .Iraqi Journal of Biotechnology .Vol.13, No.2, 18-24 .

31- Alnasrawy, **A.A. 1, Al-Salihi**, A.A. 2, Abo Almaali, H.M. 3 and Al-Khafaji, Y.A. 4. (2014). *Porphyromonas gingivalis fimA* genotyping. in adult periodontitis population in Kerbala city Kerbala journal of pharmaceutical science (8).

32- Zaid Abdulla Azeez , **Ali Abdul-Amir Al-Salihy** and Wiaam Ahmed Al-Amili (2015). Molecular rapid assay on Plant Cell: Atest Eor Damage caused by Pollution from Al=Daura Thermal power station *Citrus Aurantium* L. Plants. World Journal of Pharmaceutical research Vol 4, Issue 12.

33- Khalid A. Rasheed<sup>1, \*</sup>, Zaid A. Azeez<sup>2</sup>, **Ali A. Al-Salhy**. (2016). Effects of Air Pollutants from Al-Dura Power plant in the Surrounding Area South Baghdad. *J. Int. Environmental Application & Science*, Vol. 11(2): 170-175 .

34- Ali A. Al-Salihy <sup>α</sup>, Khalid A. Rasheed <sup>σ</sup> & Zaid A. Azeez <sup>ρ</sup>. (2016). Heavy Metal Effects from Al-Dura Power Station on Plant *Citrus Aurantium* L. *Global Journal of Science Frontier Research: H Environment & Earth Science* Volume 16 Issue 2 Version 1.0 .

35- Zaid A. Azeez, **Ali A. Al-Salihy** & Khalid A. Rasheed. (2016). Effects of Heavy Metals Emission from Al\_Dura Power Station on the Soil surrounding. *Global Journal of Science Frontier Research: H Environment & Earth Science*. Volume 16 Issue 2 Version 1.0 .

36- **Ali A. Al-Salihy** and Mundher Kh. Jabbar. (2017). *In Vitro*: Detection *TaSOSI* gene in four Iraq at Bread Wheat under different salt stress levels. *Iraqi Journal of Biotechnology*., Vol.16, No,4, 69-78.

37- **A. A. AL-Salihy** ,I. Is. Hassan and M. Kh. Jabbar(2018). STUDY OF *TaSOS4* GENE AND YIELD , CHEMICAL TRAITS IN SOME BREAD WHEAT GENOTYPES UNDER SALINITY CONDITIONS. Iraqi Journal of Agricultural Sciences –2018:49(4):586- 591.

38- **Ali A. Mahdi Al-Salihy**, Hatem K. Abbas and Kadhim M. Ibrahim.(2018). VARIABILITY IN CHLOROPHYLL CONTENT AND PEROXIDASE IN STRAWBERRY cv. ALBION AS AFFECTED BY ETHYL METHANE SULFONATE UNDER NaCl STRESS. *Biochem. Cell. Arch.* Vol. 18, No. 1, pp. 481-488.

39-- Hatem K. Abbas<sup>1</sup>, **Ali A. Mahdi Al-Salihy** and Kadhim M. Ibrahim.(2018) .Possible Improvement towards salt tolerance in EMS mutated Strawberry (*Fragaria x ananassa* Duth.)Festivar cultivar .Pak. J. Biotechnol Vol.15(2)513-521.

40- - Farqad Al-Dhabagh , Maha Salih and Ali A.Mahdi Al-Salihy (2018). Rapid *In vitro* regeneration of *Geranium robertianum*- avaluable medicinal herb. Journal of Research in Ecology. Vol :6 No (2). 2459- 2464.

41- 41- 41-Ali A.AL-Salihy (2019).Determination of gene expression in selected tomato (*LYCOPERSICON ESCULENTUM MILL.*) under different salt stresses and Nanoparticals . Plant Archives . Vol.19 , Supplement 2, p:250-255.