

Curriculum Vitae

Name: Dr. Jabbar Abbas Hasan al-Dujaili

Place & date of birth: Baghdad, 1946, Iraq.

Degrees:

1980 Ph.D. Institutul agronomic "N. Balcescu Facultatea de horticultura catedra de viticultura , Bucuresti, Romania .

1975 Msc .University of Baghdad, College of Agriculture, Baghdad , Iraq

1968 : Bsc . College of Agriculture University of Baghdad , Iraq

Appointment & Promotions:

Demonstrator, Nov. 1968 to 25 Feb. 1975 Department of Horticulture. College of Agriculture, University of Baghdad.

Lecturer: 12 Jan .1981 to 1987. Department of Horticulture, College of Agriculture University of Baghdad.

Assist Professor:

1987 to Dec. 1994. Department of Horticulture , College of Agriculture University of Baghdad .

Professor: 1994 to 2000. Department of Horticulture, College of Agriculture, University, of Baghdad.

Publication: Scientific papers (please see attached list) 2 thesis 69"published papers

Arabic books: Viticulture production, Viticulture Lab . Fruit production, small fruit production, Ornamental plants , Fruit trees & Forestry .

Supervision of graduate programs

12 Msc students 8 PhD students (please see attached list)

Subject taught by him:

Graduate

Advanced Viticulture

Advanced Pomology .

Advanced Evergreen fruit trees.

Undergraduate:

Principles of Horticultural Science

Deciduous Fruit trees

Evergreen Fruit trees

General Viticulture

Small Fruits

Studies: Orchard design for olive production in Erbil province

Orchard Design for Deciduous trees production for investor.

Study the oil percentage of some olive cultivar for north region of Iraq

Lectures ; Several lectures were given during the refreshing training sessions

sponsored by each of the College of Agriculture , University of Baghdad .& the Ministry of Agriculture .

Scientific society memberships

Romanian Society for Horticultural Science,

Iraqi Society for Horticultural Science.

languages: Arabic , Romanian & English .

Administrative positions : Chairman , Department of Horticultural Science

, College of Agriculture University of Baghdad .
1994 - 1998.

Assist. Council of Horticulture College of Agriculture, University of Baghdad. 1989 - 1993.

Assist. Council of College of Agriculture, University

of Baghdad. 1993-1994.

Chairman, Department of Agronomy in Iraqi

Agricultural Engineers Syndicate. 1998 - 2000.

Committee member ships :- Departmental :

Scientific committee

Graduate committee

Pomology committee

- College:

Member of Scientific committee

-. Miscellaneous

External examiner of over 30 graduate students

(MSc & PhD)

1. Ahmed . F . A , Kamal , k . A . and Jabbar Abbas , 1975.
" the effect of number of buds left per vine after pruning on the yield and quality of fruits in some local grape varieties " *Vitis vinifera* L Iraq . J . Agric . Sci., vol . X , pp ; 53 - 63.
2. Ahmed . F . A , Kamal , k . A . And Jabbar Abbas , 1975
The effect of length of fruit spurs on the yield and quantity of fruits in roomy red grapes " *Vitis vinifera* L" Iraq. J. Agric. Sci ,vol x-pp27 - 33
3. Ahmed . F . A , Kamal , k . A . and Jabbar Abbas , 1977 .
" the effect of some treatment of gibberellic acid on the yield , and quality of fruits in thompson seedless and black monukka grap cultivars " *Vitis vinifera* L . " Iraq . J .Agric . . , vol . Xii , pp ; 53 - 63.
4. B. S. Hadi and j. A. Hassan 1986.
" the effect of cross - pollination on natural and chemical characteristics of the grape , c.v . El - kamaly " *Vitis vinifera*

L . " .

Fourth Scientific Conference Scientific Research. Council. Vol1 . Part
3 p1358-1363 .

5. J . A . Hassan Al -Dujaili and A.A.Mohammad 1986.
" heat requiremets of annual cycle growth for six grape cultivars . "
Vitis vinifera L" Iraq . J . Agric . Sci., Zanco vol . 5, no 3 pp ; 43 - 51.
6. A . A . Mohammad . and j . A . Hassan Al - Dujaili and a . T . Poulis
. 1987. " effect of ccc on fruit set and yield of roomy red grape
cultivar " *Vitis vinifera* L" . Iraq . J. Agric . Sci., Zanco vol . 5, no
4 pp ; 41 - 45.
7. J . A . Al - Dujaili and A . A . Mohammad and A . T . Poulis
1987. " fertility and flower cluster position of some grape
cultivars . Iraq . J. Agric . Sci., Zanco vol . 5, no 4 p 39 - 52.
8. A . A . Mohammad . and J . A . Hassan Al - Dujaili and A . T .
Poulis . 1987 " effect of urea sprays on yield and fruit quality of
black Hamburg and ahmer mawardy grape cultivars " *Vitis
vinifera* L Iraq . J . Agric . Sci., zanco vol . 5, no 2 pp ; 59 - 68.
9. J. A. Al - Dujaili and M . A. Al - khafaji, K.H. Al - Jubory 1987 -
"the effect of localized GA3 application on the yield and quality
Of " thompson seedless grape " *Vitis vinifera* L" Iraq . J. Agric. Sci.,
Zanco vol. 5 supplement pp 51 - 57.
- 11- J. A. H . Al - Dujaili 1987.
Physiological study of various stages of berry growth for six grape
cultivars (*Vitis vinifera* L.) Annals of Agricultural Science
vol .32 NO1. Pp552 - 564 Egypt
- 12 -. J. A. H. Al - Dujali & M . A . Al - khafaji, k . H . Al - Juboory & A .
Jaber . 1987. The effect of girdling & ga3 treatments on the yield &

- fruit characteristics of black monukka grape cultivar (*Vitis vinifera* L) Iraq. J. Agric sci. Vol 18. No 1 pp 171 - 182.
13. J . A . H . Al - Dujali & Basmal. Hadi 1988.
Viability and germination study of pollens in some table grape cultivar (*Vitis vinifera* L) Iraq . J. Agric sci . Vol 19. No 2 pp 373 - 380
- 14.j. A. H . Al - Dujaili 1988.
Effect of different dates of pruning on the yield and quality of dies . El- anez and thompson seedless grape cultivars (*Vitis vinifera* I) annals of agricultural science vol .33. No.] P.635 -.650. Egypt.
15. Waleed t. Ramau . and J . A . Al - Dujaili . 1988
Effect of phosphate fertilization on yield and quality of grape cv. Perlette ,(*Vitis vinifera* L) Iraq . J . Agric vol 19 no 2 pp 393 - 404.
16. J.a . H.Al-Dujali and Abudl Rahman a. And Basmal. Hadi 1988 effect of number of cultivation on weeds density. Vine growth and yield of dies bl - anes cv. *Vitis vinifera* L). Iraq . J. Agric sci .vol 19 no2 pp 381 - 391 .
- 17.Waleed t . Raman , and J . A . H . Al - Dujaili . 1988.
Effect of phosphate fertilization on yield and quality of grape cv . Buhurzy *Vitis vinifera* L). Iraq . J. Agric sci . Vol 19 no 2 pp 405 - 415.
18. Farook . F . Jamaa , and J . A . H . Al - Dujaili. 1988.
The influence of gibberellic acid and cycocel on the qualitative and quantitative characteristics of grape cv . Thompson seedless (*Vitis vinifera* L). Iraq . J. Agric sci . Vol 19 no 1 pp 197 - 205.
19. J.A . H.Al-Dujali and Makki . Al - Khafagi 1988.
The effect of girdling and ethephon treatment on black Hamburg grape cultiv or (*Vitis vinifera* L). Iraq . J. Agric sci. Vol 19 no 1 pp19- 24.

- 20- J . A . H . Al - Dujali & M . A . Al - Khafaji . 1988. The effect of girdling & ethephon treatments on color development & fruit characteristics of kamaly grape cv . (*Vitis vinifera* L). Iraq . J. Agric sci . Vol 18 no 2 pp21 - 26
21. J.a . H.Al-Dujali . and Basmal. Hadi 1989
Viability and germination study of pollens in sex table grape cultivars. (*Vitis vinifera*). Iraq . J. Agric sci . Vol 20 no 2 pp 382 - 389.
22. J.A . H.Al-Dujali and Abudl Rahman a . 1989.
Effect of number of cultivation on weeds density . Vine growth and yield of thompson seedless cv. (*Vitis vinifera* L). Iraq . J. Agric sci .vol 20 no2 pp 390 - 400.
23. Ail , M . K . and Al - Dujali 1989.
Effect of pruning and urea foliar spray on yield and fruits characteristics of buhruzy grape cultivar. (*Vitis vinifera* L)
Mesopotamia journal of agriculture vol. 21 no . 1 pp 21 - 31 .
- 24-J.A.H.Al-Dujaili 1989.
The effect of length of fruit spurs on the yield quantity and quantity of fruits in perlette grape cultivar " *Vitis vinifera* L annals of agricultural science vol 34 no .1 pp 661 - 673.
- 25.J. A. H . Al - Dujaili . 1989.
The comparison of some table grape cultivars (*Vitis vinifera* L.) vine growth under head training. Mesopotamia journal of agriculture vol 21 no 2 pp 51 - 60. Iraq.
- 26.J. A. H . Al - Dujaili 1989 .
The effect of girdling and ethephon treatments on ripening and yield quality and fruit characteristics of buhruzy grape cultivar (*Vitis vinifera* L.) Annals of agricultural science vol 34. No . 1 pp 675 -

686 Egypt.

- 27.. J. A. H . Al - Dujaili , A . A . Mohammad , 1989. Comparative study of some grape cultivars (*Vitis vinifera* L.) In Iraq . Fifth scientific conference . Scientific research council . Volume 1 . Part (5) p ; 92 – 98Baghdad , iraq .
28. 21. J.A . H.Al-Dujali . & Basamia , s . H 1989. Effect of date of pruning on yield & fruit characteristics of black Hamburg & roomy red grape cv . (*Vitis vinifera* L.) Fifth scientific conference . Scientific research council vol 1 . Part (5) p ; 192 - 203 , Baghdad , Iraq .
- 29.A. Maki , M . and J . A . H . Al - Dujaili 1990.
Effect of load level and training system on yield and quality of dies el - anz grape cultivar (*Vitis vinifera* L.) Annals of agricultural science vol 36. No. 1.
- 30.J. A. H . Al - Dujaili. 1991 .
“Al-Taeb ” new Iraqi orange . (*Citrus sinensis*) cultivar . Iraq.
J. Agric vol 22 no 1 pp **144 - 148**.
- 31.Maki. M. J. A. H. Al - Dujaili 1991.
Effect of vines load and training method on yield and quality of al - Kamaly and deas elanes grape cultivars *Vitis vinifera* L) mesopotamai journal of agricutur vol. 23 no. 2 pp 41 - 49 .
32. J. A. H. Al - Dujaili and Sady .A.Al.Alawy and Ibtesam . M . Abdul Hussain and Zhala ,Y,Mohammad -Amen - 1991
Control of termite (*Microrocerotermis diversus*) on thompson seedless cultivar (*Vitis vinifera* I.) and effect on the yield and quality of the fruits Iraq . J. Agric vol. 22 no 1 pp 225 - 234.

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Effect of ethephon on some qualitative. Characteristics of grape cv shada baidah (*Vitis vinifera* L) Iraq . J.agric vol 22 no 1 pp 28

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Effect of ethephon on some qualitative . Characteristics of grape cv shada baidah (*Vitis vinifera* L) Iraq . J.agric vol 22 no 1 pp 28 - 33.

34. J. A. H . Al - Dujaili and Sady .A.Al.Alawy and Ibtesam .M. Abdul Hussain and Zhala ,Y,Mohammad -Amen. 1992.

Effect of some insecticides uses for the control of *Stephanitis pyri* (f.)_On the yield quantity and quantity of pear cultivar cv. Leconte in Iraq. " Iraq . J . Agric . Vol 23 no . I. Pp 157 - 165

35.J. A. H . Al - Dujaili and Sady .A.Al.Alawy and Ibtesam .M. Abdul Hussain 1992. Testing six insecticides to protect grapevine trees variety dies elanez (*Vitis vinifera* L.) from the infection by termite *Microcerotermes diversus* (Isoptera : Termitidae). Iraq . J . Agric vol 23 no 2 pp 27 - 33

36.J.A . H.Al-Dujali and Sadik . K . Sadik and Rajaa , A. K . And Zainab J.A. 1992. Effect of soil mulching on yield quantity and quality and weeds density of grape. Cultivar Thompson seedless (*Vitis vinifera* L). Iraq . J. Agric vol23 no 1 pp 260 - 266.

37. Sady .A.Al.Alawy and. J. A. H . Al - Dujaili 1993.

Effect of some insecticides on the lace - wing *Stephanitis pyri* (f.)_2- population density of the insect and injury index of pear leaves (le conte var) Iraq. "Iraq . J. Agric . Vol 24 no . 1 . Pp 254 - 257 ".

38. J.A . H.Al-Dujali and Abudl Rahman A. and kamal M.A.Al - Qalla 1993 effect of cuilivat on the quantity and quality of the yield of al - Halwany cv. (*Vitis vinifera* L). Iraq . J. Agric .vol 24 no2 pp 249 - 254.

39.J.A . H.Al-Dujali & Hamadalla , S. R . & Nooreideen , s. 1994. Effect of

- foliar application of manganese iron & zinc on yield & quality of grape (*Vitis vinifera*) dies el -anez cv . Iraq . J. Agric .vol 25 no1 pp 109 - 117.
40. A . Al - Alawi & J.A . H.Al-Dujali & M . A . Khafaji , 1994. The use of demon (cypermethrin), dursban & primicid to control treatments in grape vines dies el anez cv . & their effect on growth & production . Iraq . J. Agric sci ..vol 25 noi pp 233 - 242.
41. F . H . Al - Sahaf & . J.A . H.Al-Dujali 1994. Effect of number of spray with nutrient solution (Al - Nahrain) on growth & yield of grape cv . Dies el -anez (*Vitis vinifera* L) Iraq . J. Agric .vol 25 no2 pp 134 - 140.
42. J, A. H. Al - Dujali 1995
Comparative study on yield quantity, fruit characteristics and quality of raisin grape produced from Thompson seedless and sultana cv . (*Vitis vinifera* L) Iraq . J. Agric vol 26 no 1 pp 128 - 136 .
43. J.A . H.Al-Dujali & Walled , A . 1997. Effect of number of bud left after pruning & the length of fruit cane on yield & fruit. Characterstics of dies el -anez cv. (*Vitis vinifera*) iraqi . J. Agric . Sci vol 28 no 1 pp 23 - 30 .
44. Yousef , M . Abu - Dahi & Jabbar A - Al - Dujaili , 1997. Effect of foliar application of Al - Nahrain liquid fertilizer & boron on yield & quality of grape (*Vitis vinifera* L) cv. Dies el -anez & its content of some nutrients . Iraq . J. Agric sci . .vol 28 no1 pp 31 —40.
45. Zainab Sabah and J . Al-Dujali 1999
Effect of some summer pruning treatments on yield and fruit characteristics of two grape cultivars (tryrash and shadda baidha) (*Vitis vinifera* l). Iraq . J. Agric vol 30 no 2 pp 239 - 250.

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47. S. A . Al - Safi & J. Al-Dujali 2000. Effect of three various types of apple rootstocks on bud take percentage for three cvs . . Iraq . J. Agric sci vol 31 no 4
48. Raja , A . & J. Al-Dujali 2000 effect of pruning & nitrogen level & their interaction on quantitative & qualitative characteristics of two grape cultivars (halwani & kamali)*Vitis vinifera* Iraqi . J. Agric sci vol 31 no 1
49. Raja, A. & Jabbar Al-Dujaiti, 2001. Effect of pruning and nitrogen fertilizer levels and their interaction on quantitative characteristics of two grape cultivars (halwna, and kamali) (*Vitis vinifera*) Dirasat, research, j. Univ. Of Jordan, vol. 28.no.i. p;87-98.
50. Al-Wahab, S.A & J.A.H Al-Dujaili, 2001 effect of cuttings collecting time, wounding and IBA application on rooting of apple rootstocks. The Iraq J. Agric. Sci vol 32(3) 71-78.
51. Al-Rawi, W.A and J.A.H. Al-Dujaili. 2001. Characteristics study of colone of dies el-anz grape in Iraq. Iraq. J. Agric sci. Vol. 32 (2): 61-64.
52. Al-Dujails. J.A.H, and W.A Al-Rawl. 2002. A study of vines loading level and the fertility of eyes in al-kamaly (cv.) Grape cane. Iraq. J. Agric. Sci. Vol. 33 (4): 91-96.
53. Al-Douri, F.T, J.A.H Al-Dujaili, M.K. Sadik and H.A. Muhamed. 2003. Effect of summer pruning treatments on yield and fruit characteristics of two grape cultivars (dies El-Anz and Kamaly)*Vitis vinifera* L. Iraqi j. Agric (special issue) vol. 8 (5) 8896.

- 54 .Al- Tuhafy, S. A.A and J.A.H. Al-Dujail, 2003, the effect of number of sprays of bron on the yield of grape (*Vitis vinifera* L.) Cv. Dais al-anz Iraqi. J. Agric. Sci. Vol. 34 (4) 59-66.
- 55.Al.Dujaili, J.A.H. and F. H.R, Al-Zaidy. 2003 effect of cross pollination on yield and its quality and quantity characteristic of grape (*Vitis vinifera* L.) Cv. Abasy. J. Of Tikrit for agric. Sci. Vol. 3 (6): 127-137.
- 56.Saqur, R.A.M & Jabbar, A.H.Al-Dujail, and Makl, A.Al-khfajii, 2006. Effect of the auxin (NAA) and gibberellic acid on fruits drop of eliminating tangerine citrus reticulate Blanco. Basra J. of agric, sci, vol.19 (2): 87-104.
- 57.Safi, S.A. & J.A.H. Al-Dujaily. 2003. Effect of Seradix 2 treatment and wounding on rooting of layered shoots for three various rootstocks of apple. Iraqi, j., agric (special issue) vol 8(5): 43-48.
- 58.Muslat, M.M & J.A.H.Al. Dujaili and A.A.Al-Heeti. 2004. Influence of some nutrition al amendments and gibberillic acid on yield of the oyster mushroom (*Pleurotus ostreatus*) and protein content of the spent substrate Iraqi, j. Agric. Sci. Vol 35 (2): 91-96.
- 59.Al-Rawi, W,A.G. &J. A.H.Al-Dujail, and. M.A. Al- Khafgi 2005. Characterization f₁ hybrid grape produced crossing between alabbasi and Thompson seedless cultivars Al-Anbar, J. Agric., sci vol. 3 (2): 125-132.
- 60.Al-Tohfi, S.A. & J.A. Hassan and D.A. Dawod., 2005. Effect of different levels of foam sulfur on some quantitative and qualitative properties of yield of grapes (*Vitis vinifera* L) c.v. Halwani. The Iraqi, J. Of agric., sic, 36 (6) 29-34.
61. Al-Tohafi, S.A & J.A. Hassan, D.A. Dawod., 2005 effect of different levels of foam sulfur on some soil chemical in a vineyard. The Iraqi, J. of agric. Sc.: 36(6): 32-28.

62. Al. Tohafi, S.A. & J.A. Hassan, D.A. Dawod. 2005 effect of different levels of foam sulfur on some quantitative and qualitative properties of yield of grapes (*Vitis vinifera* L) c.v. kamali. The ninth scientific conference of Altalkani (proceedings) p:144-152
63. Al-Tohafi, S.A. & J.A. Hassan, D.A. Dawod. 2005 effect of foam sulfur application and foliar spray of micronutrients on quantitative and qualitative properties of yield of grape (*Vitis vinifera* L.) c.v Hallwani. The ninth scientific conference of altalkani (proceedings) p: 122-132.
64. Faraj, F. & Jabbar Abbass, D.Abdallah, O.Obied 2005. Effect of fertilization and paciobutrazol on some vegetative growth characteristics of papaya c.v. honey dew. Al-Anbar. J. Agric. Sci, 3 (2): 81-87.
65. Faraj, F.& Jabbar Abbass, D.Abdallah, O.Obied. 2005. Effect of fertilization and paclobutrazol on some vegetative growth characteristics of papaya c.v honey dew. Al- Anbar, j.agric, sci, 3 (2): 75-80.
- 66.Al-Tohafi, S.A. & Jabbar, Abass, Hassan, D.abdella. 2006. Effect of foam sulfur application and foliar spray of micronutrients on vegetative properties, nitrogen and carbohydrates percentage in canes of grape cultivar halwani (*Vitis vinifera* L.). The Iraqi, j. Agric sci. 37 (5): 19-28.
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- 68.مسلسل، موفق مزبان، زياد عبد الواحد الهيتي وجبار عباس حسن، 2002أثر اليوريا والبيوتاسيوم والكالسيوم وحامض الجبريليك في نمو الكتلة الخلوية والمحتوى البروتيني للعرهون المحاري (*oyster mushroom Pleurotus ostreatus*). المؤتمر العلمي القطري الثاني للانتاج النباتي 24-25/2002.
- 69.Al-Tohafi, S.A & Jabbar Abass Hassan, D. Abdella. 2007. Effect of foam

sulfur and number of spray with nutrient solution on the concentration of the element in the leaves of cv. Halwani (*Vitis vinifera* L.) Babylon. University . J, 14 (3) sub publish no. 0024727

Thesis supervised

- 1- Basmia Sadik . Hadi . 1985. Effect of cross - pollination on natural & chemical characteristics of the grape cv. Al - kamali (*Vitis vinifera* . L) Msc thesis . College of Agriculture , Baghdad University , Baghdad Iraq. P; 60.
- 2-Waleed Taha Raman , 1984. Effect of phosphate fertilization on yield & quality of grape (*Vitis vinifera* . L .) Cv . Burarzy & perlette . P; 62 Msc thesis . College of Agriculture , Baghdad University, Baghdad, Iraq .
- 3-Farouk Faraj jwmcia , 1982. The effect of gibberellic , acid (ga₃) & cycocel (ccc) on the qualitative & quantitative characteristics of grape cv . Thompson seedless. P95. Msc thesis . College of Agriculture , Baghdad university , Baghdad , Iraq .
- 4-Mohamad khalid. Sadik . Ali 1987. Effect of pruning & urea foliar spray on yield & fruits characteristics of burarzy & shadda baedha grape cultivars (*Vitis vinifera* . L.) P ; 109 Msc thesis . College of agriculture , Baghdad university, Baghdad, Iraq .
- 5-Makk , M . A , 1989. Effect of load level & training system on yield & quality of dies el - anez kamal grape cultivars (*Vitis vinifera* . L .) Msc thesis . College of Agriculture , Baghdad University, Baghdad, Iraq .
- 6-Waleed , A . G . Al - Rawi. 1994 - characteristics study of dies el - anez grape cultivars clones in Iraq . Msc . Thesis college of

- agriculture university of Baghdad . Baghdad , Iraq . P ; 71.
- 7-Zainab , Sabah Lazim Al - Maliki , 1997, effect of summer pruning treatment , cycocel & paclobutrazol on yield & fruits characteristics of some local grape varieties *Vitis vinifera* . L Msc , thesis college of agriculture , university of Baghdad , Baghdad , Iraq . P; 81.
- 8-Falah Hassan Radhi Al - Zaidy . 2000. Effect of cross pollination on yield & ist quality & quantity characteristics of grape *Vitis vinifera* . L . Cv. Abbasy . Msc . Thesis college of agriculture , university of Baghdad , Baghdad , Iraq p ; 75.
- 9-Ammery, E, A.D. 2000. Effect of drip irrigation and nitrogen fertilization in vegetative growth of some varieties of grape (*Vitis vinifera*). M.sc. Thesis, college of agriculture, university of Baghdad, Baghdad, Iraq. P:89.
- 10-Al-Baiaty. D. A.I. 2005. In vitro propagation of two strawberry (*Fragaria anaasa*) varieties. Msc. Thesis, college of agriculture, university of Baghdad, Baghdad, Iraq, p:880.
- 11-Mellak A.A. 2001 Characteristical study for some seedless grape varieties in the middle sector of Iraq , Msc. Thesis , college of agriculture , university of Baghdad , Baghdad , Iraq P:66 .
- 12- Ai . Maisary , M.A.S. 2002 The effects of girdling and Ethephon treatments on ripening and yield criteria for grapes (*Vitis vinifera* L.) shadaa soda and yakooty . Msc thesis , college of agriculture university of Baghdad , Baghdad , Iraq . p : 89
- I3- Raja , Abdul Hadi , 1997. Effect of pruning & nitrogen fertilizer levels & their interaction on quantitative & qualitative characteristics

of two grape cultivars (halwani & kamali) (*Vitis vinifera* .L)

Ph . D dissertation , college of agriculture , university of Baghdad
 , Baghdad , Iraq

- 14-Razak , A . S . 1998 effect of growth regulators (naa, ga3 , naa+ ga3) & the date of the treatments application on the abscission percentage & the yield with some characteristics of sweet orange (*Citrus sinensis* l. Osbeck) cv . Local variety . Ph . D dissertation , college of agriculture , university of Baghdad , Baghdad , Iraq .
- 15-Saleh Abdul . Sattar Al - Safi . 1999. Vegetative propagation of apple rootstocks & its effect on bud take percentage for some local cultivars Ph . D dissertation , college of agriculture , university of Baghdad , Baghdad , Iraq
- 16-Ali , H . A . A Al - Haiani , 1999. Effect of using ccc , ga3 & potassium nitrate of flowering , fruit set & some fruiting characteristics of olive fruits cv . (khistawi). Ph . D dissertation , college of agriculture , university of Baghdad , Baghdad , Iraq
- 17- Muslat, M. M. 2005. Influence of somenutrlets and gibbqrellic acid on the quality properties of oyster mushroom (*Pleurotus stratus*) P.h.D dissertation, college of agriculture, university of Baghdad, Baghdad, Iraq. P:75.
- 18-Shelkh. O.O.M., 2004 effect of nutrient and paclobutraxol on some vegetative growth characteristic and mineral content of papaya (carica papaya l.) C.v. honey dew. Ph.D. dissertation. In horticulture, college of agriculture, university of Baghdad, Baghdad, Iraq. P:87.
- 19-Al-TohafI, S.A.A, 2004. Effect of foam sulfur application and foliar spray of micron tridents on vegetative and reproductive properties of two grape cultivars kamali and Halwan/ (*Visit vinivera* L). PhD

dissertation in horticulture, college of agriculture, university of Bagdad, Bagdad, Iraq, p: 180.

20-Al-rawi, W.A. 2005. Characterization of f_1 hybrid grape produced from crossing between Al .A basic and Thompson seedless cultivars which graft on three European grapes root stocks. Ph.D. dissertation in horticulture, college of agriculture, university of, Baghdad, Baghdad, Iraq, p; 123.

