

CURRICULUM VITA

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Degrees: B. Sc: Botany, Baghdad University, 1972

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Biochemistry, University of Oklahoma, Norman, OK, USA, 1981.

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1- -0 of Mesopotamia in Agricultural Sciences, 1994.

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Publications:

A. In Allelopathy Field:

1. ALSAADAWI, I. S., and RICE. E. L. 1982. Allelopathic effects of *Polygonum aviculare* L. I. Vegetational patterning. *J. Chem. Ecol.* **8**: 933-1009.
2. ALSAADAWI, I. S., and RICE. E. 1982. Allelopathic effect of *Polygonum aviculare* L. II. Isolation. Characterization and biological activities of phytotoxins. *J. Chem. Ecol.* **8**:1011- 1023.
3. ALSAADAWI, I. S., RICE. E. L., and KARNs, T. K. B. 1983. Allelopathic effect of *Polygonum aviculare* L. III. Isolation, characterization and biological activities of phytotoxins other than phenols. *J. Chem. Ecol.* **9** : 761 - 773.
4. ALSAADAWI. I. S., and AL-RUBEAA, A. J. 1985. Allelopathic effect of *Citrus aurantium* L. I. Vegetational patterning. *J. Chem. Ecol.* **11** : 1515-1525.
5. ALSAADAWI, I. S. ARIF, M. B. and AL-RUBEAA, A. J. 1985. Allelopathic effect of *Citrus aurantium* L. Isolation, characterization and biological activities of phytotoxins. *J. Chem. Ecol.* **11**: 1527 -1534.
6. ALSAADAWI, I. S. AL-UQAILI. J. AL-RUBEAA. A. J., and AL-HADITHY, S. M. 1986. Allelopathic suppression of weeds and nitrification by selected cultivars of *Sorghum bicolor* (L) Moench. *J. Chem. Ecol.* **12** : 209-219.
7. ALSAADAWI, I. S., AL-UQAILI. J. K., AL-HADITHY. S. M., and AL-RUBEAA, A. J. 1985 Effect of gamma irradiation on allelopathic potential of *Sorghum bicolor* against weeds and nitrification. *J. Chem. Ecol.* **11** : 1737-1745.
8. ALSAADAWI, I. S., AL-HADITHY. S. M., and ARIF.M. B., 1986. Effect of three phenolic acids on chlorophyll content and ions uptake in cowpea seedling. *J.*

Chem. Ecol. 12 : 221 - 227.

9. ALSAADAWI, I. S., 1987. Phytotoxin resistance of *Rhizobium meliloti* mutants. *Plant and Soil 102 : 279 - 282.*
10. HASSAN, M. S., EL-BEHADLI, A. H, and ALSAADAWI, I. S., 1989. Citrus replant problem in Iraq. I. Possible role of soil fungi and nematodes. *Plant and Soil. 116: 151-155.*
11. HASAN, M. S., ALSAADAWI, I. S., and EL-BEHADLI, A. H., 1989. Citrus replant problem in Iraq. II. Possible role of Allelopathy. *Plant and Soil. 116: 157-160.*
12. HASAN, M. S., EL-BEHADLI, A. H., and ALSAADAWI, I. S., 1989. Citrus replant problem in Iraq. III. Interactive effect of soil fungi and Allelopathy. *Plant and Soil. 116: 161-166.*
13. ALSAADAWI, I. S., and SAKERI, F. A. K., 1998. Allelopathic effects of the hybrid *Sorghum bicolor* x *Sorghum Sudanese* on growth, nodulation and nitrogen fixation of inoculated kidney bean (*Phaseolus vulgaris*). *ZANCO*
14. ALSAADAWI, I. S., SAKERI, F. A., AND AL-DULAIMY, S. M., 1990. Allelopathic inhibition of *Cynodon dactylon* L. Pers. and other plant species by *Euphorbia prostrata* L. *J. Chem. Ecol. 16 : 2747 -2754.*
15. ALSAADAWI, I. S., SAKRI, F. A. K., and AL-DULAIMY, S. M., 1998. Isolation and biological activity of chemical inhibitors from *Euphorbia prostrata* L. *The Iraqi J. of Biol Sci.8:1-7.*
17. ALSAADAWI, I. S., MAHDI, A. K. S., and BAPEER, H. K., 1993. Chemical interference between *Sorghum bicolor* (L) Moench and some crops and 8weeds. *Proceeding of Sci. Conf. Field Crops. Res. PP. 281 -298. Baghdad, Iraq.*
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19. ALSAADAWI, I. S., ZWAIN, K. H. Y. and SHAHATA, H. A. 1999. Allelopathic inhibition of growth of rice by wheat residues in rice -wheat rotation . *Allelopathy Journal, 5:163 - 169.*
20. ZWAIN, K. H. Y., ALSAADAWI, I. S., and SHAHATA, H. A., 1999. Effects of wheat residues on growth and nitrogen fixation of blue green algae. *Allelopathy Journal, 6: 13-20.*
21. ALMEZORI, H. A., ALSAADAWI, I. S. and ALHADITHY, T. R. 1999. Allelopathic effects of corn residues on the subsequent corn. *Allelopathy Journal, 6:*
22. AL-MANSOUR, N., AL-ZUBADI, F. and ALSAADAWI, I. S., 1997. Bioactivity

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24. AL-MANSOUR, N., AL-ZUBADI, F. and ALSAADAWI, I. S., 1999. Effects of Unicorn plant *Ibicella lutea* (Staph.) Van Eslet. (Martyneaceae) phenolic compounds on some biological aspects of *Bemisia tabaci* (Gennadius) (Homoptera : Aleyrodidae). ***J. of Babylon University, Vol. 3 (in press).***
25. AL-MANSOUR, N., AL-ZUBADI, F. and ALSAADAWI, I. S., 1999. The effects of pyrrolizidine Alkaloids of *Ibcella lutea* L. (Staph.) Van. Elset. (Martyneaceae) on some biological performance of *Bemisia tabaci* (Gennadius) (Homoptera:leyrodidae). ***J. of Babylon University, Vol. 2***
26. AL-CHALABY, F.T.,BALASEM , Z.T., and ALSAADAWI, I. S. 2002. Allelopathic effect of sunflower (*Helianthus annuus* L.) Residues on wheat and barley growth. ***Iraqi J. Agric. 7:158-168.***
27. ALSAADAWI, I. S., ZWAIN, K. H. Y. and SHAHATA, H. A. 1999 . Allelopathic inhibition of growth of rice by wheat residues in rice -wheat rotation . ***Allelopathy Journal, 5: 163 - 169.***
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29. ALSAADAWI, I.S. (2006). Soil sickness in Iraq: Possible role of allelopathy. ***Allelopathy Journal* 18: 47-56.**
30. ALSAADAWI, I. S., AL-EKELLE, M. H. S. and AL-HAMZAWI, M. K. (2007). Differential allelopathic potential of grain sorghum genotypes to weeds. ***Allelopathy Journal* 18: 47-56.**
31. ALSAADAWI, I. S., Salih, N. M. S. and Al-CHALIBY, F. T. (2007). Allelopathic effects of corn residues on growth, yield and nitrogen fixation in broad beans. ***Iraqi Journal of Agriculture 12: 1-10.***
33. ALSAADAWI, I. S., and Salih, N. M. M. (2009). Allelopathic potential of *Cyperus rotundus* L. I. Interference with crops. ***Allelopathy Journal 23: 297-304.***
34. ALSAADAWI, I. S., and Salih, N. M. M. (2009). Allelopathic potential of *Cyperus rotundus* L. II. Isolation and identification of phytotoxins. ***Allelopathy Journal 23: 85-90.***
35. ALSAADAWI, I. S. (2001). Alleopathic Influence of Wheat Residues in

Agroecosystems. *Journal of Crop Production* 4: 185-196.

36. ALSAADAWI, I. S. and DAYAN, F. (2009). Potentials and prospects of sorghum allelopathy in agroecosystems. *Allelopathy Journal* 24: 255-270.
37. ALSAADAWI, I. S., SARBOUT, A. K., AL-SHAMMA, L. (2011). Differential allelopathic potential of sunflower (*Helianthus annuus* L.) genotypes on weeds and wheat (*Triticum aestivum* L.) crop". *Archive of Agronomy and Soil Science*. <http://www.tandfonline.com/loi/gags20>.
38. ALSAADAWI, I. S., KHALIQ, A., AL-TEMIMI, A. A. and MATLOOB, A. (2011). Integration of sunflower (*Helianthus annuus* L.) residues with a pre-plant herbicide enhances weed suppression in broad bean (*Vicia faba* L.) fields. *Accepted for publication in Planta Danninah*.
39. ALSAADAWI, I. S., and AL-TEMIMI, A. A. (2011). Use of sunflower residues in combination with sub recommended dose of herbicides for weeds control in barley field. Accepted for publication in *Herbologia Volume 12, No. 3, October 2011*.
40. Al- Bedairy N. R., Alsaadawi I. S. and Shati R. K. (2011). Effect of *Sorghum bicolor* L. (Moench) residues and Trifluralin herbicides on growth and yield of broad bean and its companion weeds. *Accepted for publication in Iraqi J. Agriculture*.

B. In other Fields:

1. ALSAADAWI. I. S., AL-ANIL B. A. and BENJAMIN. N. D. 1975. Morphological, anatomical and cytological studies on date palm fruit cultivar Zahdi. *Second Sci. Conf. 6-11 December, Baghdad, Iraq*.
2. AL-ANI, B. A., BENJAMIN, N. D., SHABANA. H. A, and ALSAADAWI, I. S. 1975. Effect of some growth regulators on cells number of fruit of date palm. *Phoenix dactylifera* L. cv. Sayer. *Second Sci. Conf. 6-11 December, Baghdad, Iraq*.
3. AL-SALHIH. A. A., ALSAADAWI, I. S., AL-ANI, B. A., and BENJAMIN, N. D. 1975. Influence of pollination on the quantitative level aspect of endogenous auxin-antiauxin in the date palm flower and fruit. *Bull. Coll.Sci. 16 : 255 - 273*.
4. SOLIMAN. A. S., AL-ANI. B. A., AL-SALIH. A. A. and ALSAADAWI. I. S. 1976. Viability studies on pollen grains of date palm *Phoenix dactylifera* L. *Bull- Coll. Sci. 17:61- 70*.
5. ABDUL-WAHAB, A. S. AL-SALIH. A. A. and ALSAADWI. I.S. 1976. The influence of some chemicals on the germination of date palm seeds. *Bull . Coll. Sci. 17: 47- 60*.
6. ALSAADAWI, I. S., and ABDUL-WAHAB. A. S. 1977. Breaking the dormancy of *Acacia farnesiana* L. seeds. *Bull. Coll. Sci. 18: 27-40*.

7. ALSAADAWI, I. S. 1987. Evaluation of salt tolerance of tow barley mutants cv. Numar. *JAWRR*. **6** : 51 - 68.
8. KGAZAL. M. A., ALSAADAWI, I. S., AL-ANI. M. R. AND AL-DOORI. W. M. 1989. Response of two barley mutants cv. Arivat to salinity. *JAWRR*. **8** : 11-25.
9. AL-JIBOURI. A. A. M. KGAZAL. M. A. and ALSAADAWI, I. S. 1987. Effect of gamma irradiation on pollen germination and pollen tube growth of four male cultivars of date palm *Phoenix dactylifera* L., *Date Palm Journal* **5:9-18**.
10. AL-DOORI, W. M., ALSAADAWI, I. S., AL-ANI, M. R., and AL-MASHADANI, S. M. 1989. Comparative study of salt tolerance of four genotypes of barley, *Iraqi J. Bio. Sci.* **9:11- 25**.
11. AL-JIBOURI, A. A. M., FATTAH, F. A., ALSAADAWI, I. S., SELBI, M. I., AND KGAZAL. M. A. 1990. Morphometrics and scanning electron microscopy of date palm *Phoenix dactylifera* L., *Arab Gulf J. Sci. Res. (in press)*.
12. KGAZAL, M. A., SELBI. M. I., ALSAADAWI, I. S., FATTAH. F. A., and AL-JIBOURI, A. A. M., 1990. Bisexuality in date palm in Iraq. *J. of Islamic Academy of Sciences* **3** : 131 - 133.
13. YOUSEF, S. A. and ALSAADAWI, I. S., 1997. Effect of salinity and nitrogen fertilization on osmotic potential and elements accumulation in four genotypes of broad bean *Vicia faba* L. *DERASAT*,**24:395-401**.
14. YOUSEF, S. A., ALSAADAWI, I. S., and NASER ALLA, A. Y. 1999 . Effect of salinity and nitrogen fertilization on nitrate reductase activity in local cultivar of broad bean *Vicia faba* L. *DERASAT*.**26: 144-150**.
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17. ALSAADAWI, I. S. 1998. Response of two barley mutants to salinity. *Fourth Arab Conference on the Peaceful Use of Atomic Energy Tunis; 14-18/11/1998 AAEA*
18. AL-UQAILI. J. K., ALSAADAWI, I. S. AL-DOORI, W. M. 1994. Effect of salinity on transformation of urea and ammonium sulphate in calcareous soil. *The Iraqi Journal of Agricultural Sciences*. **25** : 72 - 78.
19. ALSAADAWI, I. S., AL-JANABI, K. K. and Dahash, M. I. 2000. Response of wheat mutants to saline water imposed at different stages of growth. *Fifth Arab Conference on the Peaceful Uses of Atomic Energy, Beirut, 13-17/11/2000*.

20. AL-JANABI, K. K., ALSAADAWI, I. S., AL-DULAMI, N. H., AL-JANABI, A. R. and Dahash, M. I. 2000. Induce mutations in wheat by gamma irradiation. *Fifth Arab Conference on the Peaceful Uses of Atomic Energy, Beirut, 13-17/11/2000.*
21. ALSAADAWI, I. S. 2000. Use of radioisotopes in mineral nutrition of plants. *Symposium on the use of nuclear technology in fertilizer and water Management. AAEA & IAEC, Baghdad, May 7-11, 2000.*
22. ALSAADAWI, I. S. and DAHASH, M. I. 2000. Assimilation and translocation of photosynthetic product in *Arachis hypogea* using CO₂. *Symposium on the use of nuclear technology in fertilizer and water Management. AAEA & IAEC, Baghdad, May 7-11, 2000.*
23. ALSAADAWI, I. S. and DAHASH, M. I. 2002. Response of wheat cultivars to saline water imposed at different stages of growth. *Iraqi J. Agric.* **7**:64-71.
24. ALSAADAWI, I. S. and Al-SAHAF. 2003. Soilless cultures for horticultural crop production. *Iraqi J. of Agricultural Sciences.* **34**: 67-81.
25. AL-DOORI, W.M., ALSAADAWI, I. S. and ATTEYA, H.J. 2003. Screening for salt tolerance of wheat genotypes using column method. *Iraqi J. Agric.* **8**: 9-17.
27. YOUSEF, S.A., ALSAADAWI, I. S., and NASER-ALLAH, A.Y. 2003. Effect of salinity and radiation on some physiological parameters of calli of rice i cv. Amber Baghdad and amber Furat. *Iraqi J. Agric.* **8**: 71-79.
28. YOUSIF. S. A., ALSAADAWI, I.S., RONAK, H. and NASER ALLAH, A. Y. (2009). Salt tolerance of different rice varieties. *Iraqi Journal of Agriculture* **14**: 121-133.
29. Al-GYYAR, A. S., ALSAADAWI, I S. and ATTIYA, H. J. (2009). Effect of water quantities and sowing dates on yield and yield components of four wheat cultivars. *Iraqi Journal of Agriculture* **12**; 162-173.

Books:

1. Allelopathic Research Activity in Iraq. Chapter In Allelopathy, Basic and Applied Aspects (Eds Rizvi S. H. and Rizvi, V.) *Chapman and Hall Press, London (1992).*
2. Allelopathy in Iraq " Chapter in International Allelopathy Update " (Ed. Narwal, S. S.). *GMB and Oxford Press, London (1999).*
3. Allelopathic Influence of Wheat Residues in Agroecosystems. Chapter in Allelopathy in Agro ecosystems. *The Hayworth Press, Inc. New York (2001).*
4. Allelopathy: Current Trends and Future Applications (Ed. by Z. Cheema, M. Farooq, and W. Abdul). *Springer Verlag Publisher (In Press), 2011.*
5. Application of Nuclear Technology in Botany (1990). *Babylon Press. Baghdad.*

IRAQ (in Arabic).

6. Nitrogen Metabolism in Plants. (Ed. Beevers. L. American Elsevier Publishing Company, Inc. USA 1976). ***Translation to Arabic language (1991).***
7. Isotopes and Radiation in Agriculture and Biology (ed. Lannunziata, M. F. 1984) Translation to arable language (***Babylon Press, Iraq.***)

Professional activities

1. Regional Editor of Allelopathy Journal.
2. Member of Executive Committee of International Society of Allelopathy
3. Member of the Editorial Board of the Iraqi Journal of Agriculture.
4. Member of the Editorial Board of the Iraqi Journal of College of Science.
5. Member of Managing Committee of Ministry of Agriculture after last ware
6. Member of the Committee of Pesticides Registration and Approval, Ministry of Agriculture. Baghdad, Iraq
7. Member of Establishment Committee of the Iraqi Academy of Science
8. Member of the Committee of Scientific Title Award, Ministry of Science and Technology.
9. Member of the Editorial Board of the Year Book of the Committee of Pesticides Registration and Approval, Ministry of Agriculture, Baghdad, Iraq.