Curriculum Vitae
ENTESSAR Al JBAWI, Ph.D
Scientific Title: Senior researcher
Field: Plant breeding and biometrics

Website: http://agricext.sy/entessar-al-jbawi-cv-en/
Google scholar: dr.entessar al jbawi
https://scholar.google.com/citations?user=g6HShPoAAAAJ&hl=en&authuser=1
ORCID ID: https://orcid.org/0000-0002-1804-1770
Research Gate: https://www.researchgate.net/profile/Entessar_Al_Jbawi
Publons: https://publons.com/researcher/3882576/entessar-al-jbawi/
Copernicus ID: 580391
Facebook: https://www.facebook.com/entessar.aljbawi/
SKYPE ID: Entessar AL Jbawi

Personal Information:

Date of Birth: 1973
Place of Birth: Damascus, Syria.
Nationality: Syrian.
Marital Status: Married, Two children.
Sex: Female.
Address:

4th floor, AlMohandseen Building, Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform MAAR,
Damascus, Syria.

Tel. (home): 00-963-11-3947168
Mobile: 00-963-988-699884
Tel. (Office): 00-963-11-2312385
FAX (Office): 00-963-11-2312681

E-Mail: dr.entessara@gmail.com - dr.entessara@nmail.sy

Present job: Director of Agricultural Extension (since 2020).
Editor in chief of Agriculture Journal (MAAR) since 2020.
Head of Sugar Beet Department, General Commission for Scientific Agricultural Research GCSAR (From 2006 to 2020).
Co-Editor in chief of Syrian Journal of Agricultural Research (SJAR) (from 2014 to 2020).

Personal Education:

Ph. D., Agricultural Engineering/Field Crops Department, Faculty of Agriculture, Cairo University, Cairo, Egypt. 2003. Plant Breeding. Thesis' title: "Genotype X Environment Interaction and Stability Analysis for Yield and Quality Traits of Sugar Beet". P177 (in English). http://gcsar.gov.sy/phd/doctor-193/

http://agris.fao.org/agris-search/search.do?recordID=EG2005000022

M. Sc., Agricultural Engineering/Field Crops, Faculty of Agriculture, Cairo University, Cairo, Egypt. 2000. Plant Breeding. Thesis' title: "The Performance of Some Sugar Beet Genotypes under Different Environments". **Pp 131** (in English). http://gcsar.gov.sy/masters/master-192/

Diploma, Agricultural Engineering/Field Crops, Faculty of Agriculture, Damascus University, Damascus, Syria. 1997.

B. Sc., Agricultural Engineering/Field Crops, Faculty of Agriculture, Damascus University, Damascus, Syria. 1996.

Publications:

Articles in Refereed International Journals:

1. Ahmad, A.; N. Mahmood.; M. Hussain.; U.A.S.H. Al-Mijalli.; M.A. Raza.; and **E. Al Jbawi** (2023). Improvement in oxidative stability and quality characteristics of functional chicken meat product supplemented with aqueous coriander extract. 26(1): 855–865. https://doi.org/10.1080/10942912.2023.2189086.
2. Ahmed, A.; M.A. Saleem.; F. Saeed.; M. Afzaal.; A. Imran.; M. Nadeem.; S. Ambreen.; M. Imran.; M. Hussain.; and **E. Al Jbawi** (2023). Gynostemma pentaphyllum an immortal herb with promising therapeutic potential: a comprehensive review on its phytochemistry and pharmacological perspective. International Journal of Food Properties. 26(1): 808–832. https://doi.org/10.1080/10942912.2023.2185566.
3. Mushtaq, Z.; M. Imran.; F. Saeed.; A. Imran.; Sh.W. Ali.; M. Shahbaz.; S.A. Alsagaby.; Y.G. Sánchez.; M. Umar.; M. Hussain.; W. Al Abdimonem, **E. Al Jbawi**.; M.A.H. El-Ghorab.; and M.A. Abdelgawad (2023). Berberine: a comprehensive Approach to combat human maladies. International Journal of Food Properties. 26(1): 787–807. https://doi.org/10.1080/10942912.2023.2184300.
4. Noor Akram, N.; F. Saeed; M. Afzaal; Y. Abbas Shah; A. Qamar; Z. Faisal; S. Ghani; H. Ateeq; M. Nadeem Akhtar; T. Tufail; M. Hussain; A. Asghar; A. Rasheed; and **E. Al Jbawi** (2023). Gut microbiota and synbiotic foods: Unveiling the relationship in COVID-19 perspective. Review article. Food Sci. Nutr. 2023;00:1–12. DOI: 10.1002/fsn3.3162.
5. Rasheed A.; S. Parveen; M. Afzaal; B. Niaz; F. Saeed; M. Hussain; A. Yasmin; A. Qamar; H. Ateeq; M.A. Raza and **E. Al Jbawi** (2023). Exploring biochemical profile, antioxidant activity and structural properties of Bulgur prepared from traditional and autoclave methods. International Journal of Food Properties. 26(1): 274–289. https://doi.org/10.1080/10942912.2022.2161570.
6. Shahzad, T.; S. Iqbal.; M. Nasir.; A. Ahmad Anjum.; M. Imran.; F. Saeed.; M. Fawzi Mahomoodally.; T. Mehmood.; G. Zengin.; Z. Mushtaq.; M. Hussain; and **E. Al Jbawi** (2022). Comparative analysis of preventive role of different probiotics and prebiotics against the markers of liver damage, oxidative stress markers and inflammatory markers in the non-alcoholic fatty liver disease induced rats. International Journal of Food Properties. 25(1): 2514–2529. https://doi.org/10.1080/10942912.2022.2144881.
7. Razaa, M.A.; F. Saeed; M. Afzaal; A. Imran; B. Niaz; M. Hussain; A. Rasheed; M. Kashif Mukhtar; M. Waleed; and **E. Al Jbawi** (2022). Comparative study of cross- and uncross-linked arabinoxylans extracted from maize bran with special reference to their

structural and antioxidant potential. International Journal of Food Properties. 25(1): 2495–2504. https://doi.org/10.1080/10942912.2022.2143524.

8. Waleed, M.; F. Saeed, M. Afzaal; B. Niaza; M. Ahtisham Raza, M. Hussain; T. Tufail; A. Rasheed; H. Ateeq; and **E. Al Jbawi** (2022). Structural and nutritional properties of psyllium husk arabinoxylans with special reference to their antioxidant potential. International Journal of Food Properties. 25(1): 2505–2513. https://doi.org/10.1080/10942912.2022.2143522.
9. Aamir, M.; F. Saeed; M. Afzaal; A. Ahmad; M. Hussain; H. Ateeq; and **E. Al Jbawi** (2022). Thermal kinetics of physical and sensory changes in baby carrot under pasteurization conditions. Cogent Food & Agriculture. 15 August. 8: 1-12. 2114641. https://doi.org/10.1080/23311932.2022.2114641.
10. Ahmeda, A.; M. Afzaal; Sh. Waseem Alic; H. Shehzad Muzammil; A. Masood; M. Awais Saleem; F. Saeed; M. Hussain; A. Rasheed; and **E. Al Jbawi** (2022). Effect of vegan diet (VD) on sports performance: a mechanistic review of metabolic cascades. International Journal of Food Properties. 29 August. 25(1): 2022–2043. https://doi.org/10.1080/10942912.2022.2120495.
11. Bader Ul Ain, H.; T. Tufail; M. Javed, T. Tufail; M. Umair Arshad; M. Hussain; S. Gull Khan; Sh. Bashir, **E. Al Jbawi**; and Shamaail Abdulaali Saewan (2022). Phytochemical profile and pro-healthy properties of berries. International Journal of Food Properties. 26 July. 25(1): 1714–1735. https://doi.org/10.1080/10942912.2022.2096062.
12. Abdullahو M.; T. Tufail; M. Hussain; M. Nadeem; M. Owais; M. Zulkiffal, M. Hammad Tanveer; and **E. Al Jbawi** (2022). Effect of sprouted barley flour on the quality wheat of bread, biscuits and cakes. Cogent Food & Agriculture. 15 Sep. 8(1):1-14. 2122272, https://doi.org/10.1080/23311932.2022.212227.
13. Islam, F.; F. Saeed.; M. Afzaal.; M. Hussain.; **E. Al Jbawi.;** M.A. Khalid.; and M.A. Khan (2022). Nutritional and functional properties of *Hyphaene thebaica* L. flour: a critical treatise and review. International Journal of Food Properties. 25(1): 1234–1245. https://doi.org/10.1080/10942912.2022.2078836.
14. Usman, I.; M. Hussain.; A. Imran.; M. Afzaal.; F. Saeed.; M. Javed.; A. Afzal.; I. Ashfaq.; **E. Al Jbawi** and Sh.A. Saewan (2022). Traditional and innovative approaches for the extraction of bioactive compounds. International Journal of Food Properties. 5(1): 1215-1233. https://doi.org/10.1080/10942912.2022.2074030.
15. Houmsi. D.; F. Al Azmah; and E. **Al Jbawi** (2022). Efficacy of *Trichoderma harzianum* and Some Pesticides in Controlling Some Fungi That Cause Damping off in Sugar Beet. Arab J. Pl. Prot., 40 (1):96-97. https://doi.org/10.22268/AJPP-40.1.089118.
16. Abbas, Fadi.; **E. Al-Jbawi;** Th. Al-Hnish; M. Othman; H. Shams Al-Deen; and Nesrin Edrees (2022). Effect of methanol foliar application on some morph-physiological traits of sugar beet (*Beta vulgaris* L.) grown under drought conditions. Journal of Genetic and Environmental Resources Conservation. 10(2).
17. **Al Jbawi, E**.; M. Othman; Th. Al Henish; and F. Abbas (2022). The effect of plant density on growth and seed yield of quinoa (*Chenopodium quinoa* Willd.) in the middle region of Syria. International Journal of Phytology Research. 2(1): 19-24. https://www.dzarc.com/phytology/article/view/58.
18. **Al Jbawi, E.** (2021). Safety fungal fertilizers for healthy food products. Sarcouncil Journal of Applied Science. 1(1): 21-25. https://secureservercdn.net/160.153.138.177/16g.514.myftpupload.com/wp-content/uploads/2022/03/SARJAS-7-2022-21-25-1.pdf
19. **Al Jbawi, E.;** A. Mahmoud; F. Na'om; A.G. Al-Khaldi; and B. Al-Abdallah (2021). The Response of Morphological Traits of Sugar Beet (*Beta vulgaris* L.) to Different

Irrigation Methods and Nitrogen Fertilization Ratios. Stem Cell Research International (SCRI). 4(2): 16-23. https://opastonline.com/open-access/the-response-of-morphological-traits-of-sugar-beet-beta-vulgaris-l-to-different-irrigation-methods-and-nitrogen-fertilization-ratios.pdf

20. Mahmoud, A.; **E. Al Jbawi;** F. Na'om; A.G. Al-Khaldi; and B. Al-Abdallah (2021). The response of sugar beet (*Beta vulgaris* L.) to different irrigation methods and different nitrogen fertilization levels in summer time. Research Journal of Science RJS. 2(2): 1-9. http://res-journal-sci.net/?p=1559.
21. **Al-Jbawi, E.M**.; A.M.S. Al-Tawaha and A.J. Hussein (2021). Fungal bio fertilizer for sustainable agriculture. Research Journal of Science RJS. 2(2): 1-9. http://res-journal-sci.net/?p=1528.
22. **Al-Jbawi, E.M**.; F. Abbas; and H. Shams AlDeen (2021). The response of yield and morphological traits of fodder beet (*Beta vulgaris* var. crassa Mansf.) to nitrogen fertilization. Research Journal of Science RJS. 2(1): 23-28. http://res-journal-sci.net/?p=1475
23. Abbas, F.; **E. Al-Jbawi;** H. Shams Al-Deen; and J. Alisha (2020). Fodder Beet (*Beta Vulgaris Var Crassa*) Yield and Quality Attributers as Affected by Nitrogen Fertilization and Foliar Boron Application. Journal of Earth and Environmental Sciences Research. 2(4): 1-6. https://www.onlinescientificresearch.com/articles/fodder-beet-beta-vulgaris-var-crassa-yield-and-quality-attributrs-as-affected-by-nitrogen-fertilization-and-foliar-boron-applicati.pdf
24. **AL Jbawi, E.M. (2020).** All About Fodder Beet (*Beta vulgaris* subsp. *Crassa* L.) As a Source of Forage in the World and Syria. Research Journal of Science. 1(2): 24-44. http://res-journal-sci.net/?p=1331
25. **AL Jbawi, E.M.;** H. Shams AlDeen; and S. Shamsham (2020). The Effect of seaweed extracts spray on some productivity and quality traits of fodder beet (*Beta vulgaris* L.). 7(4): 492-498. http://agri-research-journal.net/SjarEn/?p=2612
26. **Al-Jbawi, E;.** F. Abbas; and Th. Al-Huniesh (2020). The response of some quinoa (*Chenopodium quinoa* Willd.) genotypes to water stress. Research Journal of Science. 1(1): 1-9. http://res-journal-sci.net/?p=916
27. **Al JBawi, E.** (2020). Effect of climate change on agriculture. https://www.nepjol.info/index.php/IJE/article/view/27653. DOI: http//dx.doi.org/10.312/ije.v9i1.27653.
28. Mohanna, A.; **E. Al-Jbawi** and J. Mansour (2019). The effect of planting dates and varieties interaction on productivity and some morphological and qualitative traits of fodder beet (*Beta vulgaris* var. crassa). Syrian Journal of Agricultural Research. 6(2): 523-533. http://agri-research-journal.net/sjar/wp-content/uploads/2019/07/v6n2p41-1.pdf
29. Abbas, F.; and **E.M. Al-Jbawi** (2019). Effect of Salinity and Potassium Enrichment on Some Growth Attributes in Sugar Beet (*Beta vulgaris* L.). Journal of Agricultural Science and Technology B 9 (2019): 152-159. doi: 10.17265/2161-6264/2019.03.002.
30. **Al-Jbawi, E.M.;** A. Mohanna and J. Mansour (2019). The response of some productivity and quality traits of five fodder beet cultivars (Beta vulgaris L. var Crassa) to sowing dates. Agrica. 8(1): 23-31. DOI : 10.5958/2394-448X.2019.00003.8. http://www.indianjournals.com/ijor.aspx?target=ijor:agr1&volume=8&issue=1&article=004.
31. **Al-Jbawi, E.M.;** R. Danoura and A. Yaaqoub (2018). Effect of deficit irrigation and manure fertilizer on improving growth and yield of quinoa in Syria. Open Acc J Agri

Res: OAJAR-100007. Vol2018(2):1-7. https://grfpublishers.com/assets/article_in_press/1539110934.pdf

32. **Al-Jbawi, E.;** S. Shamsham; and H.Sh. Aldeen (2018). The response of some productivity and quality traits of fodder beet (*Beta vulgaris* L.) to organic and potassium fertilizers in Syria. Journal of Sugar Beet. 34(1):0-0 short paper. DOI: 10.22092/JSB.2018.121594.1190, http://jsb.sbsi.ir/article_117126_en.html
33. **AL-Jbawi, E.M.;** Th. Al Huniesh; Z. AL Jasem; N. Al Mahmoud; and H. Al Zubi (2017). Determining some stability adaptation parameters for sugar beet commercial varieties in summer sowing. Syrian Journal of Agricultural Research. 4(1): 171-182. http://agri-research-journal.net/vol4no1p15
34. **Al-Jbawi, E.;** S. Al-Geddawi; G. Alesha.; and H. Al-Zubi (2016). Productivity of fodder beet (*Beta vulgaris* var. *Crassa*) cultivars as affected by plants spacing in Al Ghab, Syria. Journal of Agricultural and Crop Research. 4(6): 91-99, September 2016. http://sciencewebpublishing.net/jacr/archive/2016/September/pdf/Al-Jbawi%20et%20al.pdf
35. **Al Jbawi, E.M.;** A.F. Al Raei; A. Al Ali; and H. Al Zubi (2016). Genotype – environment interaction study in sugar beet (*Beta vulgaris* L.). International Journal of Environment. 5(3): 74-86. http://dx.doi.org/10.3126/ije.v5i3.15706.
36. Al Zubi, H.I.; **E.M. Al Jbawi;** S. Al Jeddawi; M.Kh. Tahla; R. Ismaiel; Th. Al Huniesh; G. Aliesha; R. Radwan; and H. Azzam (2016). Impact of some chemical treatments and length of storage on the storability of sugar beet. International Journal of Environment. 5(1): 96-106. http://www.nepjol.info/index.php/IJE/article/view/14567/11835.
37. **AL-Jbawi, E.M.**; and H.I. Al Zubi (2016). Effect of sowing dates and length of storage on storability in sugar beets (*Beta vulgaris* L.) piles. Scholarly Journal of Agricultural Science. 6(1): 25-31. http://scholarly-journals.com/sjas/archive/2016/January/pdf/Al%20Jbawi%20and%20Al%20Zubi.pdf
38. Al Zubi, H.I.; **E.M. Al-Jbawi;** Th. Al Huniesh; S. Al Jeddawi; H. Jdid; G. Aliesha; R. Radwan; M.Kh. Tahla; R. Ismaiel; and H. Azzam (2016). Effect of Slaked Lime Concentrations on Sugar Beet Roots in Storage. Syrian Journal of Agriculture Research. 3(1): 229-239. http://agri-research-journal.net/SjarEn/vol3no1p22/
39. **AL-Jbawi, E.M.;** H. Nazal; and H. Al Zubi (2016). Fodder beet (*Beta vulgaris* var. crassa Mansf) varieties response to harvest dates under north east conditions of Syria. Syrian Journal of Agricultural Research. 3(2): 251-258. http://agri-research-journal.net/SjarEn/vol3no2p22/
40. **AL-Jbawi, E.M.**; S. Al Geddawi; and G. Alesha (2015). Quality changes in sugar beet (*Beta vulgaris* L.) roots during storage period in piles. International Journal of Environment. 4(4): 77-85. http://www.nepjol.info/index.php/IJE/article/view/14101
41. **AL-Jbawi, E.M.**; M. Bagdadi; and Y. Nemr (2015). The productivity of four fodder beet cultivars (*Beta vulgaris* var. *crassa*) affected by autumn and winter sowing. International Journal of Environment. 4(3): 121-129. http://www.nepjol.info/index.php/IJE/article/view/13235/10677
42. **Al-Jbawi, E.M.;** W. Sabsabi; G.A. Gharibo; A.E.A. Omar (2015). Effect of sowing date and plant density on bolting of four sugar beet (*Beta vulgaris* L.) varieties.

International Journal of Environment. 4(2): 256-270. http://www.nepjol.info/index.php/IJE/article/view/12647

43. **AL-Jbawi, E.M.**; M. Bagdadi; and Y. Nemr (2014). The effect of plant spacing on some quality traits of fodder beet (*Beta Vulgaris* var.*crassa*) varieties. International Journal of Environment. 3(3): 286-293. http://www.nepjol.info/index.php/IJE/article/view/11089
44. Abbas, F.; **E.M. AL-Jbawi**; and I. Mohammed **(2014).** Growth and chlorophyll fluorescence under salinity stress in sugar beet (*Beta vulgaris* L.)**.** International Journal of Environment. 3 (1): 1-9. http://www.nepjol.info/index.php/IJE/article/viewFile/9937/8121
45. Abbas, F.; and **E.M. AL-Jbawi (2013).** Effect of temperature, osmotic potential induced by NaCl and PEG-6000 on germination and seedling growth of sugar beet (*Beta vulgaris* L.). Persian Gulf Crop Protection. 2(4): 60-73. http://www.corpprotection.ir/files_site/paperlist/Journal2-4-131125144230.pdf
46. **AL-Jbawi, E.M.**; and F. Abbas **(2013).** The Effect of length during drought stress on sugar beet (*Beta vulgaris* L.) yield and quality**.** Persian Gulf Crop Protection. 2(1): 35-43. http://www.cropprotection.ir/files_site/paperlist/Journal2-1-130904200527.pdf
47. Abbas, F.; **E.M. AL-Jbawi**; and Gh. Al-Lahham **(2012).** Effect of Application Time of Drought Stress on Sugar Beet (*Beta vulgaris* L.) Quality and Yield. Persian Gulf Crop Protection. 1(3): 19-30. http://www.corpprotection.ir/files_site/paperlist/Journal1-3-130724102012.pdf.
48. Abbas, F.; A. Mohanna; Gh. Al-Lahham; and **E.M. AL-Jbawi, (2012).** Osmotic Adjustment in Sugar Beet Plant under Salinity Stress. Sugar Beet Journal. Karaj, Iran. 28 (1): 67-80. (in English and in Persian). http://jsb.sbsi.ir/?_action=showPDF&sc=1&article=869&_ob=b135acd1cdcfa97d7a2bcd91754e2f98&fileName=full_text.pdf.
49. عباس فادي وأحمد مهنا وغسان اللحام وانتصار الجباوي (2012). تنظيم اسمزى چغندر قند در شرايط تنش شورى. مجله چغندرقند، 28 (1): 67-80. (in Persian) http://jsb.sbsi.ir/?_action=articleInfo&article=869&vol=178
50. El Hinnawy H.H.; E. A. Mahmoud; B.S.H. Ramadan; M.A. Farag; and **E.M. Al Jbawi (2003).** Variety X Environment Interaction in Sugar Beet Yield Trials. Proceedings of the international conference on 'Arab Region and Africa in the world sugar context', Aswan, Egypt, 9-12 March 2003. P5. http://www.cabdirect.org/abstracts/20033173828.html

Participation in Academic International Conferences, Forums and Workshops:

1. Abbas, F.; Th. Al-Huniesh.; M. Othman.; and **E. AL Jbawi** (2022). The importance of quinoa (*Chenopodium quinoa* Willd.) as a supportive tolerance crop against drought in Syria. The International Forum of The Effect of Climate Changes on Agriculture and Sustainable Development. 11-12th May, Lattakia, Syria.

2. **AL Jbawi, E.M.;** F. Abbas; M. Mofleh and T. Al-Huniesh (2020). Effect of water stress on germination process and initial seedling growth of quinoa (*Chenopodium quinoa* Willd. 3rd International Conference of Environmental Status in the Middle East. 14-16th July, Cairo, Egypt. Pp. 306-314.
3. **AL Jbawi, E.M.;** and M.M. Mofleh (2019). Evaluation of quinoa (*Chenopodium Quinoa* L.) var. NSL-106398 under deficit irrigation. 6th International Scientific Conference of Genetic and Environment, 18-19th December, Baghdad, Iraq. Pp: 1-8. https://www.researchgate.net/profile/Entessar_Al_Jbawi/publication/338254821_Evaluation_of_Quinoa_Chenopodium_Quinoa_L_Var_NSL-106398_under_different_levels_of_deficit_irrigation/links/5e0b2993a6fdcc28374af48a/Evaluation-of-Quinoa-Chenopodium-Quinoa-L-Var-NSL-106398-under-different-levels-of-deficit-irrigation.pdf
1. **Al Jbawi, E.M.;** Sh. Al-Solyman; A.F. Al Raei; A. Al Ali; and Rasha Danoura (2019). Evaluation of New Planting Dates of Sugar Beet in the Middle Area (Hama) of Syria to Face the Climate Changes. The Second Scientific Agricultural Conference. Jarash University, Jarash, Jordan. 28-30 April.
2. **Al-Jbawi, E.;** S. Shamsham; and H.Sh. Aldeen (2018). The response of some productivity and quality traits of fodder beet (*Beta vulgaris* L.) to organic and potassium fertilizers in Syria. Journal of Sugar Beet. **Euro-Global Conference on Food Science, Agronomy and Technology (FAT 2018)** " during **September 20-22, 2018 at Rome, Italy**. http://food-chemistry-technology-conferences.magnusgroup.org/speakers/
3. **AL Jbawi, E.M.** (2018). Evaluation the Effect of Some Chemical Treatments on Some Qualitative and Quantitative Characteristics of Two Sugar Beet Beta vulgaris L. Mono and Multi During the Period After Harvest. Workshop on "Future Vision of Sudan Initiative for Arab Food Security", 30th April-1st May, Khartoum, Sudan.
4. **AL Jbawi, E.M.;** and M.M. Mofleh (2018). The Effect of Chemical and Biological Seed Treatments of Sugar Beet (*Beta vulgaris* L.) on the Productivity and Quality Traits. 4th Iranian Seed Science and Technology Conference, 13-15th January, Karaj, Iran.
5. FAO (2017). Corporate Outcome Assessment. Four Seasons Hotel, Damascus, 4th October 2017.
6. **Al Jbawi, E.M. (2014).** Agriculture in Syrian Arab Republic. Training course entitled "**Grain and Oil Crops and Irrigation Comprehensive Utilization Technology for Asian Countries"** 25th July to 22th October **2014**, Hunan Agriculture Group, Co., Ltd. China Aid Training Programs Sponsored by Ministry of Commerce of People's Republic of **China**.
7. **Al Jbawi, E.M. (2010).** Sugar Beet Growing in Syria. Workshop in Sugar Beet Breeding Program for Multigerm Varieties. 2-6th August 2010. Maribo, Denmark.
8. **Al Jbawi, E.M. (2010).** SBSI varieties in Syria. Workshop in Breeding and Seed Production of Sugar Beet. 13-20 July 2010. SBSI, Karaj, Iran.
9. Mahmoud, E. A.; H.H. El Hinnawy; B.S.H. Ramadan; M.A. Farag; and **E.M. Al Jbawi (2002).** Variety X Environment Interaction in Sugar Beet Yield Trials. Conference of the Modern Techniques in Agriculture. 28-30 October 2000. In the Bull. Fac. Agric. Cairo Univ. 4:1059-1071. Fac. Agri. Cairo Univ, Egypt.
10. EL Hinnawy, H. H.; E.A. Mahmoud; B.S.H. Ramadan; and **E.M. Al Jbawi. (2002).** Phenotypic Stability for Some Sugar Beet Genotypes. Conference of the Modern

Techniques in Agriculture. 28-30 October 2000. In the Bull. Fac. Agric. Cairo Univ. 4: 1051-1059. Fac. Agri. Cairo Univ, Egypt.

Participation in Academic International Online Conferences, Workshops, Training and Forums:

1. AL Jbawi E.M. (2023). The role of scientific research and agricultural extension in neutralizing the impact of land deterioration under the influence of climatic changes. The eighth scientific conference. 11-12 April, ACSAD, Damascus, Syria.
2. National Seminar on "Comprehensive Extension Strategies for Sustainable Development of Farmer Producer Organizations (FPOs): Issues and Challenges. MANAGE, and International Society of Extension Education (INSEE), Nagpur, India, 22-24th April 2022.
3. AL Jbawi E.M. (2022). New Planting Dates of Sugar Beet in Syria to Face the Climate Changes. The fourth scientific conference "Innovation and sustainable industry in the Arab world". 14-15 May, General Society for Studies, Research and Technology, Cairo, Egypt.
4. Training course entitled "Extension Management Techniques for Fishpreneurship". African-Asian Organization Rural Development Organization (AARDO), ICAR-CIFT, Cochin, Kerala, India. 9-12 May 2022. e-certificate ID: AARDO/OTP/CIFT/9-12 May 2022/2562.
5. AL Jbawi E.M. (2021). The development of palm trees cultivation in Syria. The seventh conference for developing the scientific research and agricultural extension, "The development of palm tree cultivation in the Arab region". 7-8 April, ACSAD organization, Damascus, Syria.
6. Training course entitled "A panorama of affordable innovative technologies and solutions for rural development". African-Asian Organization Rural Development Organization (AARDO), New Delhi, India. 22-3 to 1-4-2021.
7. Opening workshop of TCP/RAB/3803 project (2021). Regional Project of Emergence Response to Enhance the National and Regional Capabilities to Reduce the Danger of Fall Army Warm. FAO, Damascus, Syria. 23-2-2021.
8. Abbas, F.E.; E.M. Al-Jbawi; H.Sh. Al-Deen; and J. Alisha (2020). Fodder Beet (*Beta Vulgaris* Var Grassa) Yield and Quality Attributers as Affected by Nitrogen Fertilization and Foliar Boron Application. The International Scientific and Practical Conference of (Study, Development, Conservation and Prospects of Effective Use of Cotton and Other Crops Biodiversity). 20 – 21 / 10 / 2020, Institute of Genetics and Experimental Plant Biology. Tashkent, Uzbekistan. 332-339.
9. Al Jbawi, E.M. (2020). H-index and using Medeley in referencing. Scientific workshop (Electronic Publishing and Writing A Review Manuscript), Food Science Department, Faculty of Agriculture, Basrah University, Iraq. 11/10/2020.
10. AL Jbawi E.M. (2020). Online publication and using Mendeley in referencing. Scientific symposium. College of Veterinary Medicine, Basra University, Iraq. September 20th 2020.
11. AL Jbawi E.M. (2020). Online publication and using Mendeley in referencing. Scientific symposium. Association of Genetic and Environmental Resources Conservation (AGERC-Iraq). September 19th 2020.
12. AL Jbawi, E.M. (2020). Tends in Technology Innovation. International Conference. 27-28th August, International Institute For Academic Research and Development (IIFARD), College of Engineering and Technology, Lucknow, UP India.

13. AL Jbawi, E.M. (2020). The role of scientific institutions in developing the agriculture production in the Arab countries, the reality and challenges. 1st Online and 4th International Conference. 15-16th July, Faculty of Agriculture, Diyala University, Iraq.
14. AL Jbawi, E.M (2020). The effect of deficit water on corn. International Scientific Forum. 13rd July, Faculty of Agriculture, Kirkuk University, Iraq.
15. AL Jbawi, E.M (2020). The reality and prospects of developing sugar beet cultivation in Syria. 1st Online International conference. 8th June, Faculty of Agriculture, Kirkuk University, Iraq.
16. AL Jbawi, E.M (2020). Growing sugar and fodder beets. Online workshop. 19th May, Department of Horticulture and landscaping, Faculty of Agriculture and Forests, AL Mousel University, Iraq.
17. AL Jbawi, E.M (2020). A Chain of Handling Crops, The Preparation for Harvest and After Harvest. Online workshop. 10th May, Faculty of Agriculture, Diyala University, Iraq. http://us04web.zoom.us/j/5834475627

Articles in Refereed Arabic Journals:

1. Othman, M.; E. AL Jbawi.; F. Abbas; A. AlAli.; G. Alisha (2022). Genotype-Environment interaction and yield stability parameters of sugar beet (*Beta vulgaris* L.) cultivars in Syria. Syrian Journal of Agriculture Research. 11(1). Accepted on 26/10/2022 (under press).
2. Al Jbawi, E.; A. AlAli; and A.F. AlRaei (2020). Evaluation Production, Quality and Morphological Traits of Summer Fodder Beet (*Beta vulgaris* L. sub Crassa) Under Different Levels of Nitrogen Fertilizer. Syrian Journal of Agriculture Research. 7(2): 247-257.
3. Mansour, J.; E. Al-Jbawi; A. Muhanna; and F. Abbas (2020). Comparison of Production and Quality Traits of Fodder Beet (Beta vulgaris var Crasssa) under two Winter Sowing Dates in Homs Governorate. Syrian Journal of Agriculture Research. 7(2): 154-163.
4. Al Baghdadi, M.; Y. Nemr; and E. Al JBawi (2019). Effect of Nitrogen Fertilization Rates and Plant Density on Some Productive Traits of Four Fodder Beet Monogerm Varieties. Damascus University Journal for the Agricultural Sciences. (Accepted for publication in 07/11/2019).
5. Al Baghdadi, M.; Y. Nemr; and E. Al JBawi (2019). Effect of Nitrogen Fertilization Rates and Plant Density on Some Quality Traits of Four Fodder Beet Monogerm Varieties. Damascus University Journal for the Agricultural Sciences. (Accepted for publication in 15/10/2019).
6. Abbas F.; **E. AL-Jbawi**; and M. Al-Hamdan (2018). Sugar Beet (*Beta vulgaris* L.) Seedlings Response to Potassium and Foliar Spray of Methanol under Drought Conditions Induced by Poly Ethylene Glycol (PEG-6000). Syrian Journal of

Agricultural Research. 5(4): 144-157. http://agri-research-journal.net/sjar/wp-content/uploads/2019/03/v5n4p12.pdf

7. Tahla, M. Kh.; **Al Jbawi, E.M.;** H. Azzam; R. Ismaiel; H. Jdid; I. Abdallah; W. Howsha and Th. Al Huniesh (2018). The Post-Harvest Deterioration in the Processing Characteristics of Two Sugar Beet Roots Varieties Under Different Levels of Chemical Treatments. Damascus University Journal for the Agricultural Sciences. (Accepted for publication in 21/2/2018).
8. **Al Jbawi, E.;** M. Kh. Tahla; R. Ismaiel; H. Azzam; H. Jdid; I. Abdallah; Th. Al Huniesh; W. Howsha (2018). Effect of Sowing Date and Storage Period in Field on the Qualitative Characteristics of Two Sugar Beet Varieties. Damascus University Journal for the Agricultural Sciences. (Accepted for publication in 6/3/2018).
9. Tahla, M. Kh.; H. Azzam; **E.M. Al Jbawi;** R. Ismaiel; H. Jdid; I. Abdallah; Th. Al Huniesh; and W. Howsha (2017). Effect of Sowing Time and Storage in Piles on Productivity and Technological Traits of Sugar Beet (*Beta vulgaris* L.) Roots. Damascus University Journal for the Agricultural Sciences. (Accepted for publication in 21/2/2017).
10. **Al Jbawi, E.;** M. Kh. Tahla; R. Ismaiel; H. Azzam; H. Jdid; I. Abdallah; Th. Al Huniesh; W. Howsha (2017). Effect of Spraying Calcium Chloride $CaCl_2$ Treatments on Sugar Beet (*Beta vulgaris* L.) Manufacturer Traits of Roots in Storage. Al Baa'th University Journal. 39(33):61-80.
11. Shamsham, S.; **E. Al Jbawi;** and H. Shams Aldeen (2017). Effect of Manure and Potassium Fertilizers on Some Fodder Beet (*Beta vulgaris* L.) Productivity Traits. Al Baa'th University Journal. 39(37): 11-32.
12. **Abbas, F.; M. Sido; E.M. Al Jbawi** and M.A. Ali (2017). The Effect of Bolters Cutting in the Improvement of Morphological and Quality Traits of Sugar Beet (*Beta vulgaris* L.). Syrian Journal of Agricultural Research. 4(2): 141-149.
13. **Al-Jbawi, E.M.;** and A. Al Abdella (2016). Effect of storage period of sugar beet (*Beta vulgaris* L.) in piles on technological and manufacturer traits of roots. Syrian Journal of Agriculture Research. 3(2):111-121. http://agri-research-journal.net/SjarEn/vol3no2p10/
14. Al Atwan, S.; E.M. Al-Jbawi; E. Al-khaled; and A. Jaafar (2016). Economic comparison between autumn and summer sowing of sugar beet in Al Raqqa governorate. Syrian Journal of Agriculture Research. 3(1): 126-135. http://agri-research-journal.net/SjarEn/vol3no1p12/

15. Al Numan, H.; **E.M. Al-Jbawi;** Th. Al Huniesh; Z. Al Ibrahim; Z. AL Jasem; N. Al Mahmoud; and A. Al Abdalla **(2016).** The effect of boron fertilizer application method and level on the production and quality traits of two sugar beet varieties. Syrian Journal of Agriculture Research. 3(1): 220-228. http://agri-research-journal.net/SjarEn/vol3no1p21/
16. **AL-Jbawi, E.M.;** and F. Abbas **(2015).** The effect of water stress on some physiological characteristics of two sugar beet (*Beta vulgaris* L.) monogerm hybrids. Syrian Journal of Agriculture Research. 2(2): 79-93. http://agri-research-journal.net/vol2no2p7/
17. **Al-Jbawi, E. M.;** T. Al Huniesh; Z. Al Jasem; N. Al Mahmoud; Z. Al Ibrahim and A. Al Abdallah **(2015).** Effect of Planting Method in Some Productivity and Quality Traits of Tow Sugar Beet Varieties Grown in Summer Season in Syria. Syrian Journal of Agricultural Sciences. 2(1): 55-64. http://agri-research-journal.net/vol2no1p16/
18. AL-Khaled, E.A.; S. Al Atwan; **E.M. Al-Jbawi;** and J. Alaa **(2015).** Defining land suitability for sugar beet cultivation in summer time in Al Raqqa Governorate using GIS. Arabic Journal of Dry Environments (ACSAD). Under press (accepted to publication 4/2/2015).
19. Gharibo A. G., **E. Al-Jbawi,** B. Al-Dakhil, J. Alhossen. **(2014).** The Effect of Seed Rate in Technology Characters of Tow Sugar Beet Varieties Grown in Summer Season in Al Raqqa . Aleppo University Journal. (110).
20. Gharibo, A.G., **E. Al-Jbawi,** B. Al-Dakhil; J. Alhossen. **(2014).** The Effect of Seed Rate in Productivity, of Tow Sugar Beet Varieties Grown in Summer Season in Al Raqqa. Aleppo University Journal. (111).
21. Awadis, A.; **E.M. Al-Jbawi;** Z. Al Ibrahim; and Kh. Al-Ismaiel **(2014).** The response of some mono and multigerm sugar beet (*Beta vulgaris* L.) varieties to nitrogen fertilization, using tow irrigation methods (sprinkler – furrow) during summer time. Syrian Journal of Agricultural Sciences. 1(1): 18-28. http://gcsar.gov.sy/sjar/issue1p2ar/
22. **Al-Jbawi, E.M.;** Th. Al Huniesh; Z. Al Ibrahim; R. Al Shaher; Z. AL Jasem; A. Al Abdalla; and N. Al Mahmoud **(2014**). Response of some quality and production traits of sugar beet (beta vulgaris l.) to the addition of different levels of basic fertilization in summer time in Der al Zur. Arabic journal of dry environments (ACSAD). Under press (accepted to publication 20/5/2014). https://scholar.google.com/citations?view_op=view_citation&continue=/scholar%3Fhl%3Den%26start%3D10%26as_sdt%3D0,5%26scilib%3D1&citilm=1&citation_for_view=g6HShPoAAAAJ:roLk4NBRz8UC&hl=en&oi=p
23. Gh.A. Gharibo; A. Aref; and **E. M. Al-Jbawi (2014).** Effect of planting method and Plant population on some morphological traits and sucrose and brix accumulation of

four sugar beet (*Beta vulgaris* L.) varieties in summer time. Aleppo University Journal. (107).

24. Al-Mansour, R.; H. Azzam; and **E. M. Al-Jbawi (2013).** Response of two sugar beet *(Beta vulgaris* L.) varieties to different harvest dates in winter time. The Jordan Journal in Agriculture Sciences. 9(4): 630-639. https://journals.ju.edu.jo/JJAS/article/viewFile/5472/3473
25. Bagdadi, M.; Y. Nemr; and **E.M. Al-Jbawi (2014).** Effect of grown in autumn and winter time on quality traits in some fodder beet (*Beta vulgaris* L.) varieties under AL Raqqa conditions. Damascus University Journal for the Agricultural Sciences. 30(3): 119-131. http://www.damascusuniversity.edu.sy/mag/farm/images/stories/3-2014/119-131.pdf
26. Malla Aref, A.; Gh.A. Gharibo; and **E.M. Al-Jbawi (2013).** Effect of Planting Method and Plant Distance in Some Productivity and Quality Traits, of four Sugar Beet (Beta vulgaris L.) Varieties Grown in Summer Season. Arabic Journal of Dry Environments (ACSAD). Under press (Accepted to publication 25/9/2013).
27. **Al-Jbawi, E.M.,** Gh. A. Gharibo; Th. Huniesh; and N. Al-Mahmoud (2013). The Effect of Irrigation Withholding of Some Quantity and Quality Traits of Tow Sugar Beet (*Beta vulgaris*. L) Varieties. Arabic Journal of Dry Environments (ACSAD). Under press (Accepted to publication 6/6/2013).
28. Al-Mansour**,** R.; H. Azzam; and **E. M. Al-Jbawi (2013).** Effect the storage period after harvest in some quality and productivity traits of Sugar Beet Roots (*Beta vulgaris* L.) during manufacturing. Arabic Journal of Dry Environments (ACSAD). Under press (accepted to publication 12/5/2013).
29. Al-Mansour**,** R.; H. Azzam; and **E. M. Al-Jbawi (2012).** Effect the storage period after harvest in some quality and productivity traits of Sugar Beet Roots (*Beta vulgaris* L.) during manufacturing. Al Furat University Journal for Scientific Studies and Researches. Under press
30. Abbas, F.; A. Mouhanna; Gh. Al-Lahham; and **E.M. Al Jbawi (2011).** Growth analysis in sugar beet *(Beta vulgaris* L.) under salinity irrigation. Al Furat University Journal for Scientific Studies and Researches. (9).
31. Al-Abdallah, A.; M. Othman; **E.M. Al-Jbawi (2011).** Comparison of Quality and Yield Traits of Sugar Beet (*Beta vulgaris* L.) Grown in Autumn and Summer Time under Der Al Zur Conditions. Arabic Journal of Dry Environments (ACSAD). Under press (accepted to publication 30/3/2011).
32. Al-Abdallah, A., M. Othman., **E.M. Al-Jbawi (2010).** The deterioration in yield and quality traits of post harvested sugar beet (*Beta vulgaris* L.) grown in summer time. Al Furat University Journal for Scientific Studies and Researches. (5).
33. Abbas, F.; A. Mouhanna; Gh. Al-Lahham; **E.M. Al Jbawi;** and Z. Al-Jassem **(2011).** Evaluation some sugar beet (*Beta vulgaris* L.) varieties under salinity irrigation. Arabic Journal of Dry Environments. 4(1): 93-105. **http://www.acsad.org/images/pdf/by2at/AbstractsV4N1Jun2011.pdf**
34. Sabsabi, W.; Gh.A. Gharibo; and **E.M. Al-Jbawi (2012).** Genotype by environment interaction and stability analysis of some quantity and quality traits for four sugar

beet (*Beta vulgaris* L.) genotypes. Arabic Journal of Dry Environments. 5(1): 12-22. **. http://www.acsad.org/images/pdf/by2at/all/5-1-2012.pdf**

35. Abbas, F.; A. Mouhanna; Gh. Al-Lahham; and **E.M. Al Jbawi (2010).** Effect of PEG 6000 stress on the germination of sugar beet (*Beta vulgaris* L.). Al Baa'th University Journal. (32).

36. Abbas, F.; A. Mouhanna.; Gh. Al-Lahham; and **E.M. Al Jbawi (2010).** Evaluation the response of some sugar beet (*Beta vulgaris* L.) genotypes under field conditions. The fiftieth Science Week. Der Al Zur. 28-30/11/2010.

37. **Al-Jbawi, E.M.,** Z. Al-Jassem., N. Al-Mahmoud., and KH. Al-Husieni **(2010).** The evaluation of some sugar beet (*Beta vulgaris* L.) varieties grown in summer time under different harvest dates. The fiftieth Science Week. Der Al Zur. 28-30/11/2010.

38. **Al-Jbawi, E.M.;** Th. Huniesh; Z. Al-Jassem; Z. Al-Ibrahim; N. Al-Mahmoud; and Kh. Al-Husieni **(2011).** The evaluation of some sugar beet *(Beta vulgaris* L.) monogerm varieties grown in summer time under different harvest dates. Al Furat university journal for Scientific Studies and Research. (18).

39. Abbas, F.; A. Mouhanna.; Gh. Al-Lahham; and **E.M. Al Jbawi (2010).** Screening laboratory tool to select tolerant sugar beet (*Beta vulgaris* L.) varieties for salinity stress. Al Baa'th University Journal for Agricultural Sciences. 31(20):211-238. https://scholar.google.com/scholar?hl=en&as_sdt=0,5&cluster=14497211699851411542

40. Azzam, H.; **E.M. Al-Jbawi**.; and R. Al-Mansour **(2009).** Effect of harvest date and interval between harvesting and manufacturing on yield and quality traits of sugar beet (*Beta vulgaris* L.) Roots. Aleppo University Journal. (78). https://scholar.google.com/citations?view_op=view_citation&continue=/scholar%3Fhl%3Den%26start%3D10%26as_sdt%3D0,5%26scilib%3D2&citilm=1&citation_for_view=g6HShPoAAAAJ:YsMSGLbcyi4C&hl=en&oi=p

Articles in Non refereed Arabic Journals:

1. **Al-Jbawi, E.M. (2022).** "**Extension and Environment**". Agriculture Magazine, Ministry of Agriculture, Damascus, Syria. 28(1):12-15. http://agricext.sy/wp-content/uploads/2022/03/6.pdf (In Arabic).
2. **Al-Jbawi, E.M. (2022).** "**Protection of Vegetables and Fruit Trees Against Frost**". Agriculture Magazine, Ministry of Agriculture, Damascus, Syria. 28(1):12-15. http://agricext.sy/wp-content/uploads/2022/03/1.pdf (In Arabic).
3. **Al-Jbawi, E.M. (2021).** "**Agricultural Extension and Climate Changes**". Agriculture Magazine, Ministry of Agriculture, Damascus, Syria. 27(2):30-31. (In Arabic).
4. **Al-Jbawi, E.M. (2021).** "**Marketing Extension Program**". Agriculture Magazine, Ministry of Agriculture, Damascus, Syria. 27(1):24. http://agricext.sy/wp-content/uploads/2021/08/9.pdf. (In Arabic).
5. **Al-Jbawi, E.M. (2021).** "**Can we blame climate change for the emergence of Corona?**". Midad Magazine. Department of Public Relations and Media at the University of Basra, Iraq. September (82):4. (In Arabic).

6. **Al-Jbawi, E.M. (2020).** "**Cassava**". The World of Agricultural Reflection. General Administration of Agricultural Culture, Ministry of Agriculture, Egypt. (In Arabic).
7. **Al-Jbawi, E.M. (2019).** "**Beet**". Top news. (In Arabic). http://www.topnews-nasserkandil.com/final/Full_Event.php?id=5115
8. **Al-Jbawi, E.M. (2018).** "**Winter Vegetable Crops**". Agriculture Magazine, Ministry of Agriculture publications, no. 56. Pp 46-56. (In Arabic)
    a. http://moaar.gov.sy/site_ar/agrimag/mag51/mag54.pdf
9. **Al-Jbawi, E.M. (2018).** "**Recycling and Utilization of Agricultural Wastes and the Role of Agricultural Extension**". Agriculture Magazine, Ministry of Agriculture publications, no. 54. Pp 25-26. (In Arabic) http://moaar.gov.sy/site_ar/agrimag/mag51/mag54.pdf
10. **Al-Jbawi, E.M. (2016).** " **Mushroom** ". Agriculture Magazine, Ministry of Agriculture publications, no. 51. Pp 41-42. (In Arabic) http://moaar.gov.sy/site_ar/agrimag/mag51/mag51.pdf
11. **Al-Jbawi, E.M. (2015).** " **Growing Upland Rice** ". Agriculture Magazine, Ministry of Agriculture publications, no. 48. Pp 23-24. (In Arabic) http://moaar.gov.sy/site_ar/agrimag/mag48/48.pdf
12. **Al-Jbawi, E.M. (2014).** " ***Quinoa*** ". Agriculture Magazine, Ministry of Agriculture publications, no. 47. (In Arabic) http://www.moaar.gov.sy/site_ar/agrimag/mag47/47.pdf
13. **Al-Jbawi, E.M. (2014).** " ***Sugar beet Seed Production in Syria*** ". Agriculture Magazine, Ministry of Agriculture publications, no. 46. (In Arabic) http://www.moaar.gov.sy/site_ar/agrimag/mag46/46.pdf
14. **Al-Jbawi, E.M. (2013).** " ***Molasses*** ". Agriculture Magazine, Ministry of Agriculture publications, no. 43. (In Arabic) http://www.moaar.gov.sy/site_ar/agrimag/mag43/43.pdf
15. **Al-Jbawi, E.M. (2012).** " ***Fodder beet*** ". Journal of Agriculture, Ministry of Agriculture publications, no. 41. (In Arabic) http://moaar.gov.sy/site_ar/agrimag/mag41/41.pdf
16. **Al-Jbawi, E.M. (2012).** " ***Stevia*** ". Agriculture Magazine, Ministry of Agriculture publications, no. 40. (In Arabic) http://moaar.gov.sy/main/archives/1324
17. **Al-Jbawi, E.M. (2011).** " ***Sugar Substitutes-types, Sources, benefits, side-effects*** ". Agriculture Magazine, Ministry of Agriculture publications, no. 40. (In Arabic) http://moaar.gov.sy/main/archives/879
18. **Al-Jbawi, E.M. (2010).** "***A Story of New Source of Sugar***". Agriculture Magazine, Ministry of Agriculture publications, no. 34. (In Arabic). http://www.moaar.gov.sy/site_ar/agrimag/mag34/10.pdf

19. **Al-Jbawi, E.M. (2009).** "***Sugar Beet, varieties and benefits***". Agriculture Magazine, Ministry of Agriculture publications, no. 29. (In Arabic) http://moaar.gov.sy/main/archives/661

Books in English:

AL-Jbawi, E.M. (2019). Fodder Beet in the world and Syria. LAP LAMBERT Academic publishing. ISBN-13: 978-620-0-43537-8. Pp 56. http://www.morebooks.shop/bookprice_offer_a946c1bf94dd342f84edaebc7104e310c26f11c4?locale=gb&currency= EUR

Books in Arabic:

Al-Shammery, G.N.; and E.M. Al Jbawi (2020). The Optimal Date for Harvesting Agricultural Crops. 1st Edition, Faculty of Agriculture, Diyala University, Iraq. Pp 190.

Booklet in Arabic:

1. Editing (5) extensional guidance in 2021 and (10) in 2022.
2. **Al-Jbawi, E.M.** (2023). ***A Guide Of Extension Programs***. Publications of Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform, Syrian Arab Republic. No, (**518**), (In Arabic).
3. **Al-Jbawi, E.M.** (2021). ***A Guide Of Sugar Beet Growing in Syria***. Publications of Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform, Syrian Arab Republic. No, (**506**), 50 pages. (In Arabic). http://agricext.sy/wp-content/uploads/2021/10/Sugar-beet-growing-guide-in-Syria-506.pdf
4. **Al-Jbawi, E.M.** (2016). Brochure about ***Fodder Beet***. Publications of the Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform, Syrian Arab Republic. 2 pages (In Arabic).
5. **Al-Jbawi, E.M.** (2013). ***Sugar Beet-Summer time***. Publications of Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform, Syrian Arab Republic. No, (**498**), 15 pages. (In Arabic). http://gcsar.gov.sy/ar/wp-content/uploads/%D8%B4%D9%88%D9%86%D8%AF-%D9%86%D8%B3%D8%AE%D8%A9-%D8%A7%D9%84%D9%85%D8%B7%D8%A8%D8%B9%D8%A9.pdf
6. **Al-Jbawi, E.M.;** S. Al-Jeddawy; M. Yabrak; and S. Khuja (2009). ***Sugar Beet***. Publications of the Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform, Syrian Arab Republic. No, (**482**), 33 pages. (In Arabic). http://agricext.sy/wp-content/uploads/2021/05/%D8%AF%D9%84%D9%8A%D9%84-%D8%B2%D8%B1%D8%A7%D8%B9%D8%A9-%D8%A7%D9%84%D8%B4%D9%88%D9%86%D8%AF%D8%B1-%D8%A7%D9%84%D8%B3%D9%83%D8%B1%D9%8A.pdf

Scientific Reports in Arabic:

1. **Al JBawi, E.M. (2021).** Annual Report of Agricultural Extension. Ministry of Agriculture and Agrarian Reform, Agricultural Extension publications. Damascus, Syria.
2. **Al JBawi, E.M.; and M. Othman (2019).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
3. **Al JBawi, E.M. (2018).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
4. **Al JBawi, E.M. (2017).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
5. **Al JBawi, E.M.; and M. Kh. Tahla (2017).** Scientific Report of the common project between GCSAR and the Ministry of High Studies, entitled "Evaluation the Effect of Some Chemical Treatments on Some Qualitative and Quantitative Characteristics of Two Sugar Beet *Beta vulgaris* L. Mono and Multi During the Period After Harvest". Damascus, Syria. Pp 166.
6. **Al JBawi, E.M. (2016).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
7. **Al JBawi, E.M. (2015).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
8. **Al JBawi, E.M. (2014).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
9. **Al JBawi, E.M.**; E. Hasan; and D. Homsi **(2013).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
10. **Al JBawi, E.M.;** H. Sabboura; and E. Hasan **(2012).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
11. **Al JBawi, E.M. (2011).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
12. **Al JBawi, E.M.**; R. Al Gazaiiry; M. Abbas; and R. Shahhoud **(2010).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.

13. **Al JBawi, E.M.**; and R. Al Gazaiiry **(2009).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
14. **Al JBawi, E.M.;** and R. Al Gazaiiry **(2008).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
15. **Al JBawi, E.M.;** and R. Al Gazaiiry **(2007).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
16. **Al JBawi, E.M.** **(2006).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
17. **Al JBawi, E.M.**; M. Abbas; and R. Shahhoud **(2005).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.
18. **Al JBawi, E.M.** **(2004).** Annual Report of Sugar Beet Department. General Commission for Scientific Agricultural Research (GCSAR) publications. Damascus, Syria.

Participation in Academic National Conferences:

1. Al Jbawi, E. (2022). The response evaluation of some quinoa varieties against water stress under lab and field conditions. 13th Conference of General Commission for Scientific Agricultural Research (GCSAR), 15-17/5/2022, Damascus, Syria.
2. Al Jbawi, E. (2022). The role of agricultural extension in transferring cotton cultivation technologies. 40th cotton conference, Ministry of Agriculture and Agrarian Reform (MAAR), Aleppo, 28/3/2022.
3. **Al Jbawi, E.;** F. Al Azmah and D. Homsi (2021). Efficacy of *Trichoderma harzianum* and Some Pesticides in Controlling Some Fungi That Cause Damping off in Sugar Beet. 2nd National Meeting for Biological and Integrated Management of Agricultural Pests. Biological Control Studies and Research Center, Faculty of Agriculture, University of Damascus, Syria, during the period 29-30 November 2021.
4. Abbas, F.; A. Mouhanna; **E.M. Al Jbawi**; and Gh. Al-Lahham (2019). Effect of Drought Stress on Sugar Beet Quality, Yield and Water Use Efficiency. The Scientific Engineering Conference for Development and Reconstruction, 10-12/6/2019, Al Baath University, Homs, Syria.
5. **Al Jbawi, E.M.** A.F. Al Raei; A. Al Ali; N. AL Mahmoud; D. Homsi; and E. AL Hasan (2018). Effect of the Interaction Between Summer Planting Dates and Number of Days to Harvest of Two Sugar Beet (*Beta vulgaris* L.) Varieties Mono and Multigerm in Hama Governorate. 12th Conference of General Commission for Scientific Agricultural Research (GCSAR), 28-30/5/2018, Damascus, Syria.
6. **Al Jbawi, E.M.**; Sh. Al-Solyman; A.F. Al Raei; A. Al Ali; and Rasha Danoura (2018). Study the Production and Morphological Characteristics of Quinoa (*Chenopodium quinoa*

Willd.) under Different Levels of Irrigation in Hama Governorate. 12th Conference of General Commission for Scientific Agricultural Research (GCSAR), 28-30/5/2018, Damascus, Syria.

7. Abbas, F.; A. Mouhanna.; and **E.M. Al Jbawi** (2018). Effect of Split Application of Nitrogen Fertilizer and Water Cutoff Duration on Autumn Sugar Beet Growth and Yield. 12th Conference of General Commission for Scientific Agricultural Research (GCSAR), 28-30/5/2018, Damascus, Syria.

8. AL-Bagdadi, M.; **E.M. Al Jbawi**; Yousef Nemr; and Mansour Ahmad (2018). Yield of Fodder Beet as Affected by Nitrogen Fertilizer, Plant Spacing, and Cultivar**.** 12th Conference of General Commission for Scientific Agricultural Research (GCSAR), 28-30/5/2018, Damascus, Syria.

9. **Al-Jbawi, E. M.,** S. Al Jeddawi; and G. Alesha **(2016).** Production traits evaluation of some fodder beet (*Beta vulgaris* L.) varieties under different plant densities in AL Ghab. 11th Conference of General Commission for Scientific Agricultural Research (GCSAR), 22-24/5/2016, Damascus, Syria. Pp16.

10. Abbas, F.; M. Sido; **E. M., Al-Jbawi (2016).** The role of bolters cutting in reducing its negative effects on sugar beet. 11th Conference of General Commission for Scientific Agricultural Research (GCSAR), 22-24/5/2016, Damascus, Syria. Pp15.

11. **Al-Jbawi, E. M.,** A. Al Raei; and A. Al Ali **(2016).** Response of sugar beet (*Beta vulgaris* L.) grown to the summer planting dates and number of days to harvest in Hama governorate. 11th Conference of General Commission for Scientific Agricultural Research (GCSAR), 22-24/5/2016, Damascus, Syria. Pp12.

12. Awadis, A.; **E.M. Al-Jbawi;** Z. Al Ibrahim; and Kh. Al-Ismaiel **(2014).** The response of some mono and multigerm sugar beet (*Beta vulgaris* L.) varieties to nitrogen fertilization, using tow irrigation methods (Sprinkler – Furrow) During Summer Time. 10th Conference of General Commission for Scientific Agricultural Research (GCSAR). 27-28/4/2014. Halboni, Damascus, Syria. Pp6. **gcsar.gov.sy/ar/wp-content/uploads/TenthCon.docx**

13. **Al-Jbawi, E. M.,** R. Shahhoud; and Kh. Al-Husieni **(2011).** Effect of plant density on yield traits of some fodder beet varieties (*Beta vulgaris* L.) grown in autumn in Al Raqqa. 9th Conference of General Commission for Scientific Agricultural Research (GCSAR), 21-22/9/2011, Douma, Damascus, Syria. gcsar.gov.sy/ar/wp-content/uploads/-التاسع-المؤتمر-كتيب-2011.doc

14. **Al-Jbawi, E.M.;** S. Al Jeddawy; and G. Aliesha **(2011).** The deterioration in quality traits and water content of sugar beet roots (*Beta vulgaris* L.) after harvest. 9th Conference of General Commission for Scientific Agricultural Research (GCSAR), 21-22/9/2011, Douma, Damascus, Syria. gcsar.gov.sy/ar/wp-content/uploads/2011-التاسع-المؤتمر-كتيب.doc

15. **Al-Jbawi, E.M.;** Z. Al-Jassem; Z. Al-Ibrahim; N. Al-Mahmoud; and Kh. Al-Husieni **(2010).** The evaluation of some sugar beet *(Beta vulgaris* L.) monogerm varieties grown in summer time under different harvest dates. 8th Conference of General Commission for Scientific Agricultural Research (GCSAR), **29-30/9/2010.** Douma, Damascus, Syria.

16. Abbas, F.; A. Mouhanna; Gh. Al-Lahham; and **E.M. Al Jbawi (2009).** Laboratory screening tool for selecting sugar beet, *Beta vulgaris*. L. genotypes under salinity stress. 7th Conference of General Commission for Scientific Agricultural Research (GCSAR), 03-04/8/2009. Douma, Damascus, Syria. https://scholar.google.com/citations?view_op=view_citation&continue=/scholar%3Fhl%3Den%26start%3D10%26as_sdt%3D0,5%26scilib%3D1&citilm=1&citation_for_view=g6HShPoAAAAJ:9yKSN-GCB0IC&hl=en&oi=p

17. **Al-Jbawi, E.M., (2009).** Yield stability analysis to evaluate sugar beet (*Beta vulgaris* L.) varieties at autumn time in Syria. 7th Conference of General Commission for Scientific Agricultural Research (GCSAR), 03-04/8/2009. Douma, Damascus, Syria.

18. **Al-Jbawi, E.M.,** R. Al Gazaiiry **(2008).** Effect of harvest dates and locations on yield and quality traits of some sugar beet genotypes in Summer time. 6th Conference of General Commission for Scientific Agricultural Research (GCSAR), 26-28/8/2008. Douma, Damascus, Syria.

National Advisory studies:

Al-Jbawi, E.M. (2021). Policy Alternatives - Technology Transfer and Agricultural Extension. Agricultural Sector Development Forum (Challenges and Opportunities). Ministry of Agriculture and Agrarian Reform, Damascus, Syria. Plant Production in Syria (Editors: Muhammad Hassan Qatana, and Gomaa Ahmad Hegazy), Chapter 4. Pages: 74-87. (Pp 264).

Al-Jbawi, E.M. (2021). Sugar Crops. Agricultural Sector Development Forum (Challenges and Opportunities). Ministry of Agriculture and Agrarian Reform, Damascus, Syria. Future Vision 2021-2030 Alternatives to Policies and Executive Programs. (Editors: Muhammad Hassan Qatana, and Gomaa Ahmad Hegazy), Chapter 4. Pages: 74-87. (Pp 264).

Contributions to Academic Workshops (Edited books):

Al-Jbawi, E.M. (2007). Pests and Diseases of Sugar Beet. Workshop in the General Commission for Agricultural Research (GCSAR), Al-Ghab Agriculture Research Center, Sugar Beet Department, 24-26 July 2007 (108 pages) (Arabic), E.M. Al Jbawi; (Ed.). Al Ghab, Syria.

Participation in International Workshops:

1. Workshop entitled "**Future Vision of Sudan Initiative for Arab Food Security**" 30th April to 1st May **2018**, Khartoum, Sudan.
2. Workshop entitled "**Seed Processing and Coating"** 14th February **2018**, 4th Iranian Seed Science and Technology Conference, Karaj, Iran.

Participation in International Training courses:

1. Training course entitled "**Grain and Oil Crops and Irrigation Comprehensive Utilization Technology for Asian Countries"** 25th July to 22th October **2014**, Hunan Agriculture Group, Co., Ltd. China Aid Training Programs Sponsored by Ministry of Commerce of People's Republic of **China**.
2. Training course entitled "**Breeding multigerm sugar beet genotypes**" 2-6 August 2010. Maribo Seed Company. **Denmark**.

3. Training course entitled "**Modern Techniques in Breeding and Seed Production of Sugar Beet**" 8-13 March **2008** Research and technology Centre of Sugar Beet, Land Skrona, **Sweden**.
4. Training course entitled **"The Chemical Analysis of Sugar Beet Crop**". 15-19 February, **2007,** Dakhahlia Sugar Company, **Egypt**.
5. Training course entitled "**Factors affect Yield and Quality of Sugar Beet Crop**" 3-12 February **1998**, Inistitute of Sugar Crops Research, **Egypt**.

Participation in National Training courses:

1. Training course entitled "**Nano Technology and its Application in Food and Agriculture"** 26th to 28th March **2019**, General Commission for Scientific Agricultural Research (GCSAR), Damascus, Syria.
2. Training course entitled "**Radiation Technology"** 26th to 28th November **2018**, Atomic Energy Organization (AEO), Damascus, Syria. (Self-financing).

International Academic Visits:

- Academic visit to Belgium and Holland to check samples of sugar beet varieties for sugar beet companies. August **2009**. **Belgium and Holland**.
- Academic visit to Iran to see the Iranian experience in sugar beet breeding and seed production. 15-22 December **2009**. SBSI, Karaj, **Iran**.
- Academic Visit to Egypt during the execution of common project between Egypt and Syria, for breeding and reproduction of sugar beet crop. 29April to 4 May **2007**, Institute of Sugar Crops Research, Al Giza, **Egypt** .

Master Thesis Supervision:

1. Hiba Al Hajali: Effect of Plant Density on Growth and Yield Characteristics of Some Quinoa (*Chenopodium quinoa* Willed) Varieties and Characterization at Molecular Level. Faculty of Agriculture, Damascus University, Damascus, Syria. (In progress). 2018.
2. Doaa Homsi: The Effect of Chemical and Biological Seed Treatments of Sugar Beet (*Beta vulgaris* L.) in Overcoming Dampping off Disease. Faculty of Agriculture, Damascus University, Damascus, Syria. (In progress). 2018.
3. Julnar Al Mansour: The Effect of Sowing Dates on the Productivity of Some Fodder Beet (Beta vulgaris L.) Varieties Under Midland Area. Al Ba'ath University, Homs, Syria. (In progress). 2018.
4. Rasha Danoura: Effect of Deficit Irrigation, Manure Fertilizer, and Plant Density on Quinoa (Chenopodium quinoa Willed). Faculty of Agriculture, Damascus University, Damascus, Syria. (In progress). 2016.
5. Hiba Shams El Din: The Impact of Organic and Mineral Fertilization on Some Soil Fertility Properties and Quality and Productivity Traits of Two Fodder Beet. Al Ba'ath University, Homs, Syria. (In progress). 2016.
6. Ziad Al Ibrahim: The Affect of Yield Traits and Technological of Tow Sugar Beet *(Beta vulgaris* L.*)* Varieties under Different Levels of Potassium Fertilizer with Tow Irrigation Methods. Faculty of Agriculture. Al Furat University, Der El-Zor, Syria. (In progress).

7. Hssien Al Jassem: The Effect of Seed Rate and Seed Chemical Treatments on the Productivity of Sugar Beet (*Beta vulgaris* L.) Grown in Summer Time in Al Raqqa. Aleppo University, Aleppo, Syria. (In progress).
8. Alaa Jaafar: Economic Study of Sugar Beet Growing /Summer Time/ and Using Remote Sensing Techniques to make a Proper Map for Growing Locations (Al Raqqa Governorate). Faculty of Agriulture. Damascus University, Damascus, Syria. (Defend in 2015).
9. Abd Alber Mulla Aref: Effect of planting method, and plant density, on yield and technological traits of tow sugar beet (*Beta vulgaris* L.) varieties in summer time in Al Raqqa. Faculty of Agriculture. Aleppo University, Aleppo, Syria. (Defend in 2014).
10. Mohamad Bagdadi: Effect of agriculture distance and sowing date on yield and quality traitsin some fodder beet (*Beta vulgaris* L.) varieties under Al Raqqa conditions. Faculty of Agriculture. Damascus University, Damascus, Syria. (Defend in 2013).
11. Ahmad Al Abdallah: Study of some quantitative and qualitative changes in sugar beet (*Beta vulgaris* L.) varieties after harvesting in summer time in comparison with autumn time in Der El-Zor. Faculty of Agriculture. Al Furat University, Der El-Zor, Syria. (Defend in 2011).
12. Reem Al Mansour: Effect of harvest dates and period of storage on yield and quality traits of two sugar beet (*Beta vulgaris* L.) root varieties. Faculty of Agriculture, Damascus University, Damascus, Syria. (Defend in 2010).
13. Waiel Mohamad Khair Al Sabsabi: Effect of sowing date and plant density on bolting and productivity in sugar beet (*Beta vulgaris* L.) in Homs governorate. Faculty of Agriculture, Aleppo University, Aleppo, Syria. (Defend in 2010).

Philosophy of Doctorate Thesis Supervision:

1. Sanaa AlKhattab: The effect of different levels of mineral fertilizer (NPK) on the growth and productivity of quinoa (*Chenopodium quinoa*) Yield. Al Ba'ath University, Homs, Syria. (In progress). 2021.
2. Ammar Mahmoud: Effect of some irrigation methods and different levels of nitrogen fertilization on yield and technology traits of sugar beet (*Beta vulgaris* L.) under different levels of nitrogen fertilizer in summer time. Aleppo University, Aleppo, Syria (In progress). 2019.
3. Ahmad Al Jrdi: The Effect of Deficit Organized Irrigation on Productivity and Technological Characteristics of Fodder Beet under Homs Conditions. Al Ba'ath University, Homs, Syria. (In progress). 2017.
4. Mohamad Bagdadi: Evaluation the Influence of Some Culture Practices on Yield and Quality traits of four Fodder Beet (*Beta vulgaris* var. crassa Mansf). Faculty of Agriculture. Damascus University, Damascus, Syria. (In progress). 2016.

5. Faddi Abbas: Response of some sugar beet (*Beta vulgaris* L.) genotypes to drought and salinity stresses, and genotype x environment interaction assessment for some yield and quality traits. Faculty of Agriculture. Al Ba'ath University, Homs, Syria. (Defend in 2011). http://agri.albaath-univ.edu.sy/1/Masters_PhD/PhD_Thesis.htm
6. Abed Al Razzak Al Garbou. The effect of plant density and soil leveled on the technology and production characters of some sugar beet varieties grown in summer time in Der Al Zor. Faculty of Agriculture. Aleppo University, Aleppo, Syria. (Defend in 2010).

MEMBERSHIP:

1. Editorial board member of the journal "Kirkuk University Journal for Agricultural Sciences" since April, 2022.
2. Co-editor in chief in the journal "" Scientific research journal of Multidisciplinary" since October, 2022. https://sarcouncil.com/editorial-board-of-multidisciplinary/
3. Editor in the journal "Scientific Research journal of applied sciences" since October, 2022. https://sarcouncil.com/scientific-research-journal-of-applied-sciences/
4. Editorial board member of the journal "International Journal for Academic Research and Development" since August, 2020. https://iifard.org/editorial-board-3/
5. Advisor for International Institute For Academic Research and Development (IIFARD), since August 2020. www.iifard.org
6. International editorial board member of the journal "Diyala Journal for Agricultural Sciences" since March, 2020.
7. Member in the Scientific Committee of the 3rd International Conference of (Environmental and Agricultural Status in the Middle East) 14–16/7/2020, Cairo-Egypt.
8. Editorial board member of the journal "**DYSONA – Applied Science**" since January, 2020. http://applied.dysona.org/journal/editorial.board
9. Member in the Scientific Committee of the Sixth International Scientific Conference of Genetic and Environment, 18-19th December 2019, Baghdad, Iraq.
10. Member in the Scientific Committee of the Seventh International Forum of Agricultural Production Economics Under the Specifications of Agricultural Areas in Algeria and Arabic Countries. University of Al Wadi, Algeria. 30-31/October 2019. (reviewing 6 papers).
11. Editorial board member of the journal "Plant Sciences and Agriculture Technology" since September, 2019. https://www.sciworldpub.com/journal/JPSAT?page=editorial-board-members
12. Editorial board member of the journal "Discovery Agriculture" since August, 2019. http://www.discoveryjournals.org/agriculture/Editorial_Board/index.htm
13. Committee of Judgment of M.Sc postgraduate student (Eng: Hiba Shams Al Deen), 2018.
14. Editorial board member of the journal "Open Access Journal of Agriculture Research" since August, 2018. **https://grfpublishers.com/journals/editors-profile/MjE1**.

15. Editorial board member of the journal “Research in Agriculture” since February, 2018. http://www.scholink.org/ojs/index.php/ra/about/editorialTeam
16. Reviewer of the journal “Sustainable Agricultural Research” Since 2017. http://www.ccsenet.org/journal/index.php/sar/about/editorialTeam
17. Editorial board member of the journal "Journal of Maize Research and Development” Since 2017. http://nmrp.gov.np/journal-of-maize-research-and-development/editorial-board-jmrd/
18. International Advisory/Editorial Board of the International Journal of Scientific Research in Science and Technology (IJSRST). Since 2015. http://ijsrst.com/editorial.php
19. Editorial Board of the International Journal of Research GRANTHAALAYAH. Since 2015. http://granthaalayah.com/editorial.html
20. Co-Editor in Chief of the Syrian Journal of Agricultural Research (SJAR). Since 2014. http://agri-research-journal.net/SjarEn/editorial-board/
21. Deputy Editor of the International Journal of Environment (IJE). Since 2019. https://www.nepjol.info/index.php/IJE
22. Syndicate of Agricultural Engineers (Damascus - Syria).
23. Committee of Judgment of Ph.D postgraduate student (Eng: Fadi Abbas), 2011.
24. Committee of Judgment of M.Sc postgraduate student (Eng: Wael Sabsabi), 2010.
25. Scientific Committee of Field Crops Administration, General Commission of Agricultural Research (GCSAR), Damascus, Syria. Since 2011.
26. Scientific Committee of Sugar Beet Varieties Recommendation in Syria. Since 2006.
27. Committee of Sugar Beet Seeds Demands in Syria. Since 2006.
28. Committee of Sugar Beet Seed Distribution in Syria. Since 2006.
29. Technical Committee of Sugar Beet growing in Syria. Since 2006.

Computer Skills and Statistical programs:

1. Web design certificate (2020), HTML, Java script, Word press.
2. ICDL certificate (2017 V6), Photoshop, and In Design.
3. IT of Syrian Journal of Agricultural Research (SJAR) website and web designer. http//www. Agri-research-journal.net.
4. IT of Research Journal of Science (RJS) website and web designer. http//res-journal-sci.net/.
5. IT of Agricultural Extension website and web designer. http://agricext.sy/.
6. Statistical analysis using: M-Stat C, GeneStat v12, SPSS v20, Q-Basic (G by E interaction).
7. Video editing using many applications (video editor, power director….ect).

Computer Academic Certificates

1. Web design certificate 2020.
2. ICDL V6 certificate.

3. Advance Access, 1st December to 12th December 2013. National Center for Agriculture Training, Damascus Syria.
4. TOT (Training of Trainers), 24th March to 4th July 2013 (Three stages). National Center for Agriculture Training, Damascus, Syria.
5. Photoshop, 25th November to 6th December 2012. National Center for Agriculture Training, Damascus Syria.

Projects:

1. **Technical coordinator** of the project "Enhancing the Capabilities of Extension Services and Transforming them into a Market-Oriented Consulting Services System" which funded by FAO under the number TCP/SYR/3802. Newly started 2022.
2. Head of the national common project between GCSAR and the Ministry of High Studies, entitled "Evaluation the Effect of Some Chemical Treatments on Some Qualitative and Quantitative Characteristics of Two Sugar Beet *Beta vulgaris* L. Mono and Multi During the Period After Harvest", started in 2015, and finished in 2017.
3. Head of the national common project between General Commission for Scientific Agricultural Research (GCSAR) and General Organization of Remote Sensing (GORS), entitled "Using Remote Sensing Techniques to Predict the Infection with Rhizomania in Sugar Beet Fields", started in 2010, finished in 2013.
4. Member in the international common project between the Ministry of Agriculture and Agrarian Reform in Syria and the Ministry of Agriculture and Agrarian Reform in Egypt in breeding and reproduction of sugar beet seed locally. Started in 200, and finished in 2006.

Training Expertise:

1. **AL Jbawi E.M.** (2022). The statical analysis using GenStat-Level 1. Training Center for Extension and Agricultural Sciences, MAAR. 6-19th March 2022, Damascus, Syria.
2. **AL Jbawi E.M.** (2019). The Agricultural Practices, Reproduction and Breeding of Sugar and Fodder beet. Agricultural Extension Directorate at MAAR. 3-5th September 2018, Damascus, Syria.
3. **AL Jbawi E.M.** (2018). The Optimal Method of Scientific Publication and Online Correspondence. Scientific Research Center in Hama (GCSAR). 8-10th May 2018, Hama, Syria.
4. **AL Jbawi E.M.** (2016). Online publication, ISSN. Crops Research Administration on 1st November 2016, and same lectures were held at Natural Resources Research Administration on 14th December. Damascus, Syria.
5. **AL Jbawi E.M.** (2016). Statistical analysis and the software used to analyze field experiments results. Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform, 8-12th May 2016, Damascus, Syria. http://gcsar.gov.sy/en/training-course-statistical-analysis/

6. **AL Jbawi E.M.** (2015). Statistical Analysis Using GenStat v12 and SPSS v20 programs. Training course in the General Organization of Remote Sensing (GORS), 16-27th August 2015, Damascus, Syria.
7. **Al Jbawi E.M.** (2014). Evaluation the Effect of Some Chemical Treatments on Some Qualitative and Quantitative Characteristics of Two Sugar Beet Beta vulgaris L. Mono and Multi During the Period After Harvest. Workshop at Ministry of Agriculture and Agrarian Reform, 8th March 2014, Damascus, Syria.
8. **Al Jbawi E.M.** (2014). The Extensional Program of Sugar Beet Growing in Syria. Workshop in Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform, 3rd December 2014, Damascus, Syria.
9. **Al Jbawi E.M.** (2013). Summer Time Sowing of Sugar Beet. Workshop at Ministry of Agriculture and Agrarian Reform, 12th June 2013, Damascus, Syria.
10. **Al Jbawi E.M.** (2013). The Basics of Preparing and executing field crops experiments. Training course at Directorate of Agricultural Extension, Ministry of Agriculture and Agrarian Reform, 27-31st October 2013, Damascus, Syria.
11. **Al Jbawi, E.M.** (2011). Improvement of Sugar Beet Production. Training course in Al Raqqa Agriculture Center, Arabic Organization of Agricultural Development, 26-28th July 2011, Der AL Zur, Syria.
12. **Al Jbawi, E.M.** (2010). Sugar beet growing in Iran. Seminar in Douma, Damascus, General Commission for Scientific Agricultural Research (GCSAR), 13rd April 2010, Damascus, Syria.
13. **Al Jbawi E.M.** (2009). Statistical Analysis Using GeneStat Program. Training course in Douma, Damascus, General Commission for Scientific Agricultural Research (GCSAR), 15-19th March 2009, Damascus, Syria.
14. **Al Jbawi E.M.** (2008). Sugar Beet Crop. Lecture in Faculty of Agriculture, Damascus University, 13rd April 2008, Damascus, Syria.
15. **Al Jbawi, E.M.** (2007). Annual Meeting of Sugar Beet Department. Workshop in Der Al Zur Agriculture Center, General Commission for Scientific Agricultural Research (GCSAR), 20-22nd November 2007, Der AL Zur, Syria.
16. **Al Jbawi E.M.** (2007). Principles and Steps of the Evaluation of the Introduced Sugar Beet Genotypes. Training course in Douma, Damascus, General Commission for Scientific Agricultural Research (GCSAR), 26-28th March 2007, Damascus, Syria.
17. **Al Jbawi E.M.**; and M. Middelburg (2006). Establishment Breeding Program for Sugar Beet Crop. Lecture in Douma, Damascus, General Commission for Scientific Agricultural Research (GCSAR), 13rd July 2006, Damascus, Syria.

Achievements:

- Reproduction fodder beet seeds locally for the first time in Syria (2021).
- First place in the web design course (Feb. 2020) with a score of 100% from Asia Trading Center.
- The 3rd winner of FASR prize of the best distinguished scientific research (2017) in the field of agriculture, Federation of Arab Scientific Research Council, Khartoum, Sudan.
- Reproduction sugar beet seeds locally for the first time in Syria (2017).

- New planting date of sugar beet crop in Syria for the Northern and Eastern area in Al Raqqa and Der Al Zur governorates (Summer time, 15th July to 15th August). 2013.
- Recommendation of 14, and 22 monogerm and multigerm sugar beet varieties to be grown in largescale in autumn time, also 25 monogerm and 25 multigerm sugar beet varieties to be grown in largescale in winter time, in Syria.
- Reviewed more than 100 international manuscripts in different international refereed journals.

Hobbies:

Chess:

-Got the first rank at the National Champion of Syrian Arab Republic (ladies – groups).
-Judge National Certificate (3rd Grade).
-Judge National Certificate (2nd Grade) in 2017.
-Participation in many national champions (single and groups).
-The National Classification number is (1700).

Awards:

1. Awarded by the minister of Agriculture for the achievements in making outstanding videos for agriculture (March 2022).
2. Awarded by Al-Nakhla Organization, Baghdad, Iraq, for the best research paper presented in the 3rd International Scientific Conference of Environmental and Agricultural Status in the Middle East. 14 – 16 / 7 / 2020, Cairo-Egypt.
3. Awarded by Kirkuk University, Iraq, for outstanding participating in the 1st Online International conference- Safety Agriculture Under Crises and Challenges. 8th June 2020.
4. Awarded by Diyala University, Iraq, for reviewing 2 manuscripts of the 1st International conference- The Role of the Scientific Research in the Actual Prosperity of Agriculture in the world and Iraq. 2020.
5. Awarded by Iraq Association of Genetic and Environmental Resources Conservation, Baghdad, Iraq, for the participating in the best paper in the 6th International Scientific Conference of Genetic and Environment, 18-19th December, Baghdad, Iraq.
6. Awarded by Al-Wadi University, Algeria, for reviewing 6 manuscripts of the 7th International conference- The Economics of Agricultural Production in Algeria and the Arab countries. 30-31 October, 2019.
7. The 3rd winner of FASR prize of the best distinguished scientific research (2017) in the field of agriculture, Federation of Arab Scientific Research Council, Khartoum, Sudan.
8. Awarded by the International Journal of Environment for the outstanding contribution in reviewing in 2018.
9. Awarded by the General Commission for Scientific Agricultural Research for the efforts in developing and improving the scientific research (2016).
10. Awarded by the International Journal of Environment as the best reviewer in 2014.
11. Awarded by the General Commission for Scientific Agricultural Research for reviewing the manuscripts of GCSAR conference in 2014.

Languages :

Mother Tongue: Arabic

Another language: English **Level:** Fluent (TOEFL, IBI certificate, and a certificate from Higher Language Institute in 2016)

Other languages: French **Level:** Very Good (certificate from the French Language Center, 2019).

Other languages: Dutch **Level:** Fair

Professional Skills:

-Excellent experience in managing the projects from the beginning until obtaining the final and applied outputs. (I was assigned as a head of many projects, and I was awarded and got FASR prize of the best distinguished scientific research 2017, and got a certificate).

- Many Publications: **33** International papers, **40** Regional and local papers, **16** Articles, **3** Booklets, **17** Scientific reports, **10** International conferences, **13** International online conferences and workshops, **16** National conferences, **1** book, **13** Master students, **6** Ph.D students, **3** International and national projects, **7** International training courses.

Editorial board member in **10** International journals, **2** Advisory studies.

- Reproduction fodder beet seeds locally for the first time in Syria (2021).

-Reproduction sugar beet seeds locally for the first time in Syria (2017).

-Recommend new planting date of sugar beet crop in Syria for the Northern and Eastern area in Al Raqqa and Der Al Zur governorates (Summer time, 15th July to 15th August). 2013.

-Recommend 14, and 22 monogerm and multigerm sugar beet varieties to be grown in largescale in autumn time, also 25 monogerm and 25 multigerm sugar beet varieties to be grown in largescale in winter time, in Syria.

-Reviewed more than 150 international manuscripts in different international refereed journals.

-web designer for (5) websites (SJAR, RJS, Agricultural extension, Ocular power company and Liftmix company).

-Made many social studies for the international organizations (FAO, AghaKhan).

References:

Dr. Abazar Rajabi: abazar.rajabi@yahoo.com
Dr. Nidhi Nagabhatla: nidhi.nagabhatla@unu.edu
Dr. Adam Yao: Adam.Yao@fao.org
Dr. Seyed Bagher Mahmoudi: bagher_m@yahoo.com
Dr. Jiban Shrestha: jibshrestha@gmail.com
Dr. Govinda Bhandari: nepal.psd@gmail.com
Dr. Aidin Hamidi: hamidi.aidin@gmail.com

Entessar Al JBAWI