

Curriculum Vitae

Fadi E. Abbas, Ph.D.

Personal Information:

Place and date of Birth: Homs, Syria. 17/4/1977

Nationality: Arabic-Syrian.

Marital Status: Married, Two children.

Sex: Male.

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Personal Education:

Ph. D., Agricultural Engineering/Field Crops Department, Faculty of Agriculture, Al Baath University, Homs, Syria. **2011**. Plant Physiology. Thesis' title: "Response of Some Sugar Beet (*Beta vulgaris* L.) Genotypes to Drought and Salinity Stresses, and the Genotype X Environment Interaction Assessment for Some Yield and Quality Traits". P196 (in Arabic+ English abstract). http://agri.albaath-univ.edu.sy/1/Masters_PhD/PhD_Thesis.htm

M. Sc., Agricultural Engineering/Field Crops Department, Faculty of Agriculture, Al Baath University, Homs, Syria. **2007**. Crop production. Thesis' title: "Study of growth, formation and development of monogerm sugar beet yeild in The middle region (Homs & Alghab)". P155 (in Arabic+ English abstract).

Diploma, Agricultural Engineering/Field Crops Department, Faculty of Agriculture, Al Baath University, Homs, Syria. **2003**.

B. Sc., Agricultural Engineering, Faculty of Agriculture, Al Baath University, Homs, Syria. **2001**.

Publications:

Articles in Refereed International Journals:

- **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: 152-159. doi: 10.17265/2161-6264/2019.03.002.
- **Abbas, F.**; E. Al-Jbawi and M. Ibrahim (**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>
- **Abbas, F** and E. 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 (PGCP). 2(4):60-73. http://www.corpprotection.ir/files_site/paperlist/Journal2-4-131125144230.pdf

- Ibrahim, M; Mehrez; E. Edrees, M.F. **Abbas (2013)**. Susceptibility of some Sugar beet Varieties to Infestation by Beet Flea Beetle· *Chaetocnema tibialis* (Illiger). (*Chrysomelidae: Coleoptera*) and Evaluation of Efficacy some Plant Extracts in its Control. Persian Gulf Crop Protection (PGCP). 2(1):67-77.
- E. AL-Jbawi and **F, Abbas (2013)**. The Effect of Length during Drought Stress on Sugar Beet (*Beta vulgaris* L.) Yield and Quality. Persian Gulf Crop Protection (PGCP). 2(1):35-43.
http://www.cropprotection.ir/files_site/paperlist/Journal2-1-130904200527.pdf
- **Abbas, F**; E. AL-Jbawi; and G. Al-Lahham (**2012**). Effect of Application Time of Drought Stress on Sugar Beet (*Beta vulgaris* L.) Quality and Yield. Persian Gulf Crop Protection (PGCP). 1(3): 19-30.
http://www.corpprotection.ir/files_site/paperlist/Journal1-3-130724102012.pdf
- Mohanna, A.; and **F. Abbas (2012)**. Effect of Split Application of Nitrogen Fertilizer and Water Cutoff Duration on Autumn Sugar beet Growth and Yield. Visinc Journal. Logan University. Ilvov, Ukaiane. 17 (2).
- **Abbas, Fadi (2012)**. Study of the Photochemical Processes and its Correlation With Yield in Sugar Beet, *Beta vulgaris* L., under Effect of Zink Application. Persian Gulf Crop Protection (PGCP). 1(2): 41-48.
- **Abbas, F**; Mohanna, A.; G. Al-Lahham, and E. AL-Jbawi (**2011**). Osmotic Adjustment in Sugar Beet Plant Under Salinity Stress. Journal of Sugar Beet. Iran. 28 (1): 67-80. In Persian. http://jsb.sbsi.ir/?_action=articleInfo&article=869&vol=178

Articles in Refereed Arabic Journals:

- Al-Rajjo, Sami, Ahmad Mohanna and **Fadi Abbas (2019)**. Screening of Some Varieties of Durum and Bread Wheat to Osmotic Stress Influenced by Polyethylene Glycol (PEG₆₀₀₀). Genetic Variation in the Response of Wheat Varieties to Water Stress at Germination Stage. Arab Journal for Arid Environments. Accepted: 12/10/2019.
- Al-Saleh. Loubana. Bashar Hyass and **Fadi Abbas (2019)**. Screening of Some of Chickpea (*Cicer arietinum* L.) Varieties to Water Stress Using Induction Response technique. Arab Journal for Arid Environments. Accepted:8 /7/2019.
- Al-Saleh. Loubana. Bashar Hyass and **Fadi Abbas (2019)**. Effect of the Osmotic Potential Induced by Polyethylene Glycol (PEG₆₀₀₀) on the Germination of five Chickpea (*Cicer arietinum* L.) Varieties. Syrian Journal of Agricultural Research. 6(3):219-230.
- **Abbas Fadi**; 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/wpcontent/uploads/2019/03/v5n4p12.pdf>
- Sami Al-Rajjo, Ahmad Mouhanna and **Fadi Abbas (2018)**. Effect of Seed Rate, Spray with Sorghum Water Extracts and Weeding on Wheat (*Triticum durum* L.) Yield. Syrian Journal of Agricultural Research 5(1):78- 90 <http://agri-research-journal.net/sjar/wp-content/uploads/2018/04/v5n1p7.pdf>
- **Abbas, Fadi**; 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.

- AL-Jbawi, E.M.; and **Fadi 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-researchjournal.net/vol2no2p7/>
- **Abbas, Fadi** and M. Sido (2014). Effect of Planting Method and Tillage Depth on Sugar Beet Growth, Yield and Quality in Homs Region. Syrian Journal of Agricultural Research. 1(1): 8-17. <http://agri-research-journal.net/sjar/wp-content/uploads/p1.pdf>
- Ahmad Mouhanna; **Fadi Abbas** and Sami Al-Rajjo (2014). Effect of Spray with Sorghum Water Extracts on Weed Growth and Wheat Yield. Al Baath University Journal for Engineering Sciences. 36(17): 113-130.
- Bashar Hyass; **Fadi Abbas** and Zakher Akkari (2014). Effect of Intercropping System and Sowing Date on Yield of Maize and Soybean Crops. Al Baath University Journal for Engineering Sciences. 36 (5): 111-132.
- Mahmoud Al-Shabbak; **Fadi Abbas** and Feras Attallah (2014). Effect of Drought Stress Induced by Poly Ethylene Glycol (PEG-6000) on Germination of Some Genotypes of Corn (*Zea maize* L.) in laboratory. Al Baath University Journal for Engineering Sciences. 36.
- **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 for Arid Environments. 4(1): 93-105. <http://www.acsad.org/images/pdf/by2at/AbstractsV4N1Jun2011.pdf>
- **Abbas, F.**; A. Mouhanna.; and Gh. Al-Lahham (2011). Growth Analysis in Sugar Beet (*Beta vulgaris* L.) under Drought Stress Conditions. Al Baath University Journal for Engineering Sciences. 33(14): 33-56.
- Ibrahim, M; Al-Naser, Z; E. A. Mehrez and **F. Abass (2011)**. Ecological study on Beet Flea Beetle, *Chaetocnema tibialis* (Illiger). (Chrysomelidae: Coleoptera) and its control. Damascus University journal for Agriculture Sciences. 27(1): 271-286.
- **Abbas, F.**; A. Mouhanna; Gh. Al-Lahham; E.M. Al Jbawi; and Z. Al-Jassem (2011). Growth Analysis in Sugar Beet (*Beta vulgaris* L.) under Saline Water Irrigation Conditions. Journal of Al-Furat University. Basic Science Series. 8:408-428.
- **Abbas, F.**; A. Mouhanna; Gh. Al-Lahham; and E.M. Al Jbawi (2010). Effect of Drought Stress Induced by Poly Ethylene Glycol (PEG-6000) on the Germination of Sugar Beet (*Beta vulgaris* L.). Al Baath University Journal for Engineering Sciences. 32(17): 29-54.
- **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 Baath University Journal for Engineering Sciences. 31(20): 211-238. https://scholar.google.com/scholar?hl=en&as_sdt=0,5&cluster=1449721169985141154
- **Abbas, Fadi** Ahmad Mouhanna and Sameer Al Jeddawy (2007). Study of Aassimilation Activity of Monogerm Sugar Beet Under Effect of Sowing Date, Site and Genotype. Al Baah University Journal for Engineering Sciences. 29(4): 79-98.
- Ahmad Mouhanna; Sameer Al Jeddawy and **Fadi Abbas (2007)**. Study of leaves formation and its attributes for monogerm Sugar beet in the Middle region of Syria. Al Baath University Journal for Engineering Sciences. 29(1): 229-260.
- Ahmad Mouhanna; Sameer Al Jeddawy and **Fadi Abbas (2006)**. Effect of planting date and site on moonseed sugar beet productive and technological attributes in the Middle Region (Homs & Alghab). Al Baath University Journal for Engineering Sciences. 28(7): 221-243.

Participation in Scientific Conferences and Symposiums:

- **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 Engineering Scientific Research Conference as a Supporter for Development and Reconstruction. 10-12/6/2019, Al Baath University, Faculty of Civil Engineering. Homs, Syria. Handbook summaries of conference. Pp.18.
- **Abbas, F** and A. Mouhanna (2019). Using The Drainage Water For Irrigation Of Sugar Beet (*Beta vulgaris* L.). The Engineering Scientific Research Conference as a Supporter for Development and Reconstruction, 10-12/6/2019, Al Baath University, Faculty of Civil Engineering. Homs, Syria. Handbook summaries of conference. Pp.45.
- **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. Handbook summaries of 12th Conference of GCSAR. Pp.22.
- **Abbas, F.;** M. Sido; and 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. . Handbook summaries of 11th Conference of GCSAR Pp15.
- Mouhanna, A; **Abbas, F** and S. Al-Rajjo, (2015). Effect of spray with sorghum water extracts on Wheat growth and yield, and reduce the use of herbicides. Scientific Symposium about the problems of the soil and water pollution. Al Baath University. 4/5/2015.
- **Abbas, Fadi** and M. Sido (2014). Effect of Planting Method and Tillage Depth on Sugar Beet Growth, Yield and Quality in Homs Region. 10th Conference of General Commission for Scientific Agricultural Research (GCSAR), 27-28/4/2014, Damascus, Syria. . Handbook summaries of 10th Conference of GCSAR Pp15.
- **Abbas, F;** A. Al Jurdi and W.Sabsabi (2011). Effect of Zink Sulfate Spraying in Activation of Growth and Yield of Sugar Beet, *Beta vulgaris* L. 9th Conference of General Commission for Scientific Agricultural Research (GCSAR), 21-22/9/2011. Douma, Damascus, Syria. . Handbook summaries of 9th Conference of GCSAR.Pp.40.
- **Abbas, F.;**and M. Sido (2011). Effect of previous Crop and Weeding Method on Sugar Beet *Beta vulgaris* L. Yield and True Sugar Yield. 9th Conference of General Commission for Scientific Agricultural Research (GCSAR), 21-22/9/2011, Damascus, Syria. . Handbook summaries of 9th Conference of GCSAR Pp41.
- **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. . Handbook summaries of 7th Conference of GCSAR. Pp.34.
- Ibrahim, M; I. Mehrez and **F. Abbas** (2011). Ecological study on Beet Flea Beetle, *Chaetocnema tibialis* (Illiger). (Chrysomelidae: Coleoptera) and its control at Homs Region. 2th conference for Integrated Pest Management IPM. Tishreen University. Lattakia, Syria. 26-28/4/2011. Handbook summaries of 2th IPM Conference. Pp.88.
- **Abbas, F** and I. Mehrez (2011). Actually the water present and drought in Syria (options and solutions). Symposium of water resources and protection of pollution. Al Baath University. Faculty of Civil Engineering, Homs, Syria. 22-23/3/2011.
- **Abbas, F.;** A. Mouhanna; Gh. Al-Lahham; and E.M. Al Jbawi (2011). Evaluation of Tolerance Indices As Screening Criteria for some Sugar Beet (*Beta vulgaris* L.)

Genotypes Under Drought Stress Conditions. 1th Conference of Field Crops Science. 11-12/4/2011. Tishreen University. Lattakia, Syria. Handbook summaries of 1th Conference of Field Crops Science. Pp. 8.

- **Abbas, F.;** A. Mouhanna; Gh. Al-Lahham; and E.M. Al Jbawi (2010). Evaluation the Response of Some Sugar Beet (*Beta vulgaris* L.) Genotypes to Drought Stress under Field Conditions. The 50th Science Week 28-30/11/2010 – Al-Furat University- Der Ez Zour- Syria. Handbook summaries of Conference. Pp:80-82.
- **Abbas, F** and M. Sido (2010). Response of Sugar Beet Crop (*Beta vulgaris* L.) to Sulfur Application. The 50th Science Week 28-30/11/2010 – Al-Furat University- Der Ez Zour- Syria. Handbook summaries of Conference. Pp:132-133..
- Ibrahim, M; I. Mehrez; M. Idrees and **F. Abbas** (2010). Investment of some extracts of forest trees for controlling some of Insect-Pests. The 50th Science Week 28-30/11/2010 – Al-Furat University- Der Ez Zour- Syria. Handbook summaries of Conference. Pp:345-348.
- **Abbas, F** and M. Sido (2010). Study of the Assimilation Activity in Sugar Beet, *Beta vulgaris* L., Maximum Yield of Quantum in Photosystem-II , and Yield under Effect of Sulfur Application. 8th Conference of General Commission for Scientific Agricultural Research (GCSAR), 29-30/9/2010. Douma, Damascus, Syria. . Handbook summaries of 8th Conference of GCSAR. Pp.41.
- Ibrahim, M; I. Mehrez; M. Idrees and **F. Abbas** (2010). Susceptibility of some sugerbeet varieties to infestation by Beet Flea Beetle, *Chaetocnema tibialis* (Illiger). (Chrysomelidae: Coleoptera) and evaluation of efficacy some plant extracts in its control. 8th Conference of General Commission for Scientific Agricultural Research (GCSAR), 29-30/9/2010. Douma, Damascus, Syria. . Handbook summaries of 8th Conference of GCSAR. Pp.60.
- **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), 3-4/8/2009. Douma, Damascus, Syria. . Handbook summaries of 7th Conference of GCSAR. Pp.34.
- Ibrahim, M; I. Mehrez and **F. Abbas** (2009). Ecological study on Beet Flea Beetle, *Chaetocnema tibialis* (Illiger). (Chrysomelidae: Coleoptera) and its control. 7th Conference of General Commission for Scientific Agricultural Research (GCSAR), 3-4/8/2009. Douma, Damascus, Syria. . Handbook summaries of 8th Conference of GCSAR. Pp.70.
- **Abbas, F** (2009). Drought and food Security Challenges in Syria. Symposium on "The role of field crops in promoting national food security. 30/7/2009, Al Baath University, Faculty of Agriculture Engineering. Homs, Syria. Handbook of conference. Pp.86-103.
- **Abbas, F** (2007). Importance of Growing Degrees Days Index in Modeling Sugar Beet Growth. Symposium "Field crops and prospects for future". 3/12/2007, Al Baath University, Faculty of Agriculture Engineering. Homs, Syria.
- **Abbas, F;** A. Mouhanna and S. Al Jeddawy (2007). Study of Monogerm Sugar Beet Growth Stages and Green Leaves life Under Effect of Sowing Date, Site and Genotype. Symposium "Field crops and prospects for future". 3/12/2007, Al Baath University, Faculty of Agriculture Engineering. Homs, Syria.
- **Abbas, F;** A. Mouhanna and S. Al Jeddawy (2007). Comparative Study For Sugar Beet Technological Properties Between Autumn And Winter Sowing Date In The Middle Region Of Syria (Homs and Alghab). 1th Conference of Field Crops. 12-13/11/2007, Tishreen University, Faculty of Agriculture Engineering. Lattakia, Syria. Handbook summaries of conference. Pp. 17.

Master Thesis Supervision:

- **Sami Al-Rajjo.** Effect of Seeding Rate, Spray with Sorghum Water Extracts and Weeding on Wheat Growth and Yield. Faculty of Agriculture. Al Baath University, Homs, Syria. In partnership with prof. Ahmad Mouhanna. (Defend in 2015).
- **Zakher Al-Akkary.** The Effect of Intercropping System and Sowing date on Morphophinological Characteristic and Productivity of Maize and Soybean Crops. Faculty of Agriculture. Al Baath University, Homs, Syria. In partnership with prof. Bashar Hyass. (Defend in 2016).
- **Feras Attallah.** Response of Some (*Zea maize* L.) Genotypes to Drought Stress During Growth Stages under the Environment of Eastern Region of Homs. Faculty of Agriculture. Al Baath University, Homs, Syria. In partnership with prof. Mahmoud Al Shabbak. (Defend in 2016).

Philosophy of Doctorate Thesis Supervision:

- **Loubana Al-Saleh.** The Effect Of Drought Stress on the Productivity of Different Species of Chickpea (*Cicer Arietinum* L) in the Middle Region of Syria . Faculty of Agriculture. Al Baath University, Homs, Syria. In partnership with prof. Bashar Hyass . (Defend in 2020).
- **Sami Al-Rajjo.** The Response of Some Wheat Genotypes (*Triticum durum* and *T.aestivum*) to Drought Stress During Different Growth Stages in the Eastern Area of Homs Province. Faculty of Agriculture. Al Baath University, Homs, Syria. In partnership with prof. Ahmad Mouhanna. (In progress).
- **Reem Hamid.** Genetic Behavior for Some Traits Related to drought Stress in Winter Chickpea (*Cicer arietinum* L.). Faculty of Agriculture. Al Baath University, Homs, Syria. In partnership with prof. Faisal Bakkour. (In progress).
- **Farhan Al-Hamdan.** Response of some morpho-physiological, productivity and quality traits of *Zea mays* L. variety Ghotia-82 to nourishment area and treatment with Amino Acids under drought water stress. Faculty of Agriculture. Al Baath University, Homs, Syria. In partnership with prof. Ahmad Mouhanna. (In progress).

Membership:

- Member of the General Assembly for International Union of Arab Academics. Since 2019.
- Committee of Judgment of M.Sc postgraduate student (Eng: Abeer Shamma), 2019.
- Scientific Committee of Field Crops Administration, General Commission for Scientific Agricultural Research (GCSAR), Damascus, Syria. Since 2018.
- Editorial Board of the International Journal of Environment (IJE). Since 2013.
- Scientific Committee of Sugar Beet Varieties Recommendation in Syria. Since 2012.
- Scientific Committee of Homs Research center, General Commission for Scientific Agricultural Research (GCSAR), Syria. Since 2010.
- Scientific Committee of Summer date of Sugar Beet In Der AL Zur and Al Raqqa, Syria. Since 2009.

Training Expertise:

- Seed tests. Training course in Homs Research Center, General Commission for Scientific Agricultural Research (GCSAR). 2020.
- Quinoa crop, a promising cultivation in marginal areas. Lecture in Homs Research Center., General Commission for Scientific Agricultural Research (GCSAR). 2020.
- The reality and prospects for cultivating Sugar beet in Syria. Lecture in Homs Research Center, General Commission for Scientific Agricultural Research (GCSAR). 2020.

- Use of plant extracts to control weeds accompanying the wheat crop. Rif Dimashq research center, General Commission for Scientific Agricultural Research (GCSAR) in cooperation with Directorate of Agriculture and Agrarian reform, Damascus. 2019.
- Introduction the quinoa crop. Lecture in Homs Research Center, General Commission for Scientific Agricultural Research (GCSAR). 2019.
- Importance of Sugar beet and Fodder beet in Syria. Lecture in Homs Research Center, General Commission for Scientific Agricultural Research (GCSAR). 2019.
- "The digital evaluation of research and correspondence with electronic scientific journals". GCSAR. Workshop in Homs Agriculture Research Center. General Commission for Scientific Agricultural Research (GCSAR). 2014.
- Improvement of Sugar Beet Production. Training course in Al Raqqa Agriculture Center, Arabic Organization of Agricultural Development, 26-28th July 2011..
- Lecture at "Statistical Analysis Using Gene Stat Program". Training course in Homs Research Center, General Commission for Scientific Agricultural Research (GCSAR). 2010.
- Integration of plant and animal production. Training course in International Center for Agricultural Research in Dry Areas (ICARDA). 2008.

Languages:

- Mother Tongue: Arabic
- Another language: English

Fadi E. Abbas