
Professional activities

- 12/2017 -06/2018** **Student intern** at Leibniz-Zentrum für Agrarlandschaftsforschung (ZALF) e. V.
- 08/2016 -11/2016** **Student assistant** at Thünen Institute of Organic Farming in Trenthorst.
- 04/2015-08/2016** **Student assistant** at Eberswalde University for Sustainable Development in Eberswalde.
- 2010 – 2011** **Employee** by DEBBANE & Co. as technical advisor of plant protection, nutrition and agricultural materials in Aleppo and North-western Syria.
- 2007 – 2009** **Employee** at International Center of Agricultural Research in Dry Areas (ICARDA) in Aleppo/ department: "Virology Laboratory".
- 2006 – 2007** **Employee** at International Center of Agricultural Research in Dry Areas (ICARDA) in Aleppo/ department: "Seed Health Laboratory".
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Education and qualifications

- 2015 - 2018** **MSc degree**, Department of Management in Organic Agriculture at the Eberswalde University for Sustainable Development in Germany.
MSc degree entitled: "The long-term survival of rhizobia in soil and its nodulation ability of Soy bean as influenced by Germanys environments and absence of a legume host"
Internship project: "The effect of mixed cultivation of Maize and Bean on chlorophyll content and yield"
- 2009-2011** **MSc degree**, Department of plant Protection, Faculty of Agriculture, Tishreen University - Lattakia – Syria.
Degree: Master of Science (Overall grade VERY GOOD with 84%)
MSc degree entitled: "Development of a Method for Screening Chickpea (Cicer arietinum L.) Germplasm for Resistance against Viral Diseases "
- 2001 – 2006** **B.Sc. degree**, in Agriculture Sciences, Plant Protection, Faculty of Agriculture, Aleppo University, Aleppo, Syria.
Degree: Bachelor of Science (Overall grade GOOD with 69 %)
B.Sc. degree entitled: "Study of life and behavior of the parasite Habrobracon brivecornis under laboratory conditions"

Research interests

1. Integrated Pest Management
 2. Agro-ecology farming.
 3. Legumes.
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Fields scientific domains

1. Plant protection
 2. Organic farming
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Technical skills

1. Field inspection of crops for diseases.
 2. Collecting plant and soil samples.
 3. Isolation and identification of fungi, nematode, bacteria and viruses from samples.
 4. Isolation, purification and culturing of pathogens.
 5. Detection of plant viruses using different diagnostic techniques.
 6. Molecular analysis
 7. Breeding and raring Aphid and trips in selective conditions.
 8. Plant screening.
 9. Crop loss evaluation due to virus diseases infection
 10. Root scanning.
 11. Leghämoglobin test
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Publications

1. **Halwani**, M., S.G. Kumari and I.D. Ismail, 2009. Development of a Simple Method for Screening Chickpea (*Cicer arietinum* L.) Germplasm for Resistance Against Viral Diseases. Arab Journal of Plant Protection. 27:130, Special Issue (Supplement).
http://www.asplantprotection.org/PDF/AJPP/27-1_2009/AbstractBook-10th_Arab_Congress_of_Plant_Protection.pdf
 2. **Halawan**, M., S.G. Kumari and I. Ismail. 2013. Improve the efficiency of aphids to screen chickpea germplasm Bean leafroll virus (BLRV) and Beet western yellows virus (BWYV) resistance. Arab Journal of Plant Protection, 31(3): 208-215. <http://www.asplantprotection.org/PDF/AJPP/31-3-2013/208-215.pdf>
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