Dr. Ahmad Mouhanna
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Curriculum vitae

Name, Surname	Mouhanna, Ahmad
Father Name	Mohammad
Address	**Private:** P.O. Box 110 - Post-Street – Jdeidet - Artouz , Damascus - Syria **Office:** Plant Protection Dep., Agriculture Faculty, Damascus University, Syria
Date of birth	07. 09. 1962
Nationality	Syrian / German

Education

2001-2003	**Post-Doc** in**MOLECULAR BIOLOGY,** Goethe University/Biozentrum Frankfourt - Germany
2000	**PhD in MOLECULAR PHYTOPATHOLOGY**, Justus-Liebig-University Giessen, Germany
1994	**Master of Science** in **PLANT VIROLOGY**, Tishreen University, Syria **(ICARDA)**
1986	**Diploma** in **PLANT PROTECTION**, Tishreen University in Syria **Grade: Engineer of agriculture**
1985	**Bachelor of Science** in **AGRICULTURAL SCIENCE**, Study of agricultural science at Tishreen University in Syria
1980	**Baccalaureate** Experimental Sciences

Professional experience / knowledge

03/2019 – now	**PROF. DR.** (full professor) for Genetic, Molecular Biology, Plant Virology, Plant & Pathogen Interaction at Plant Protection, Faculty of Agriculture and National Master in Biotechnology, **Damascus University**, and for Genetic and Molecular Biology, Cell biology at Faculty of Medicine, **Syrian Private University**, Damascus, Syria
04/2012 – 2019	**ASSOCIATE PROFESSOR (Senior Lecturer)** for Genetic and Molecular Biology, Cell biology at Faculty of Medicine, **Syrian Private University**, Damascus, Syria
09/2008 – 2019	**ASSOCIATE PROFESSOR (Senior Lecturer)** for Genetic, Molecular Biology, Plant Virology, Plant & Pathogen Interaction at Plant Protection, Faculty of Agriculture and National Master in Biotechnology, **Damascus University**, Syria
2007- 2010	**HEAD OF MOLECULAR VIROLOGY LABORATORY** at National Commission for Biotechnology, Damascus, Syria
2006 – 2008	**LECTURER** for Genetic and Molecular Biology, Plant Virology at the Faculty of Agriculture, **Aleppo University**, Syria
2004 – 2005	**SCIENTIFIC RESEARCHER** in the centre of agricultural research / Lattakia-Syria

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2001 - 2004 **SCIENTIFIC RESEARCHER** in Botanical Institute, Department of Molecular Cell Biology, Bio-centre, Johann-Wolfgang-Goethe University, Frankfurt/Main, in cooperation with microbiological laboratory ServisBact Ltd, 63110 Rodgau, Germany
Referenz: Prof. Dr. L. Nover, Fax: 069 798 29286, Tel.: 069 798 29284
Referenz: Dr. M. Abdou, Fax: 06106 13598, Tel.: 06106 13410

2000 –2001 **SCIENTIFIC CO-WORKER** in the Institute of Crop Science and Plant Breeding, Justus-Liebig-University Giessen, Germany
Reference: Prof. Dr. B. Honermeier, Fax: 0641 9937449, Tel.: 9937440

1996 – 2000 **SCIENTIFIC RESEARCHER**, Preparing Ph.D. in the **I**nstitute for **P**hytopathology and **A**pplied **Z**oology (IPAZ), Justus-Liebig-University Giessen, Germany.
The studies were supported by a scholarship from German Academic Exchange Service (**DAAD**).
Subject of PhD thesis: Rhizomania: Investigations on epidemiology and Systemic Acquired Resistance (SAR) of sugar beet
Grade: PhD of agriculture (**magna cum laude, Excellent**)
Referee: Prof. Dr.. E. Schloesser, Prof. Dr. K.H. Kogel, Prof. Dr. W. Friedt and Dr. G. Langen, IPAZ, Heinrich-Buff-Ring 26-32, 35392 Giessen, Fax: +49 641 99 37499 E-Mail: www.uni-giessen.de/ipaz

1994 - 1995 **SCIENTIFIC RESEARCHER** in the center of agricultural research (Dep. Phytopathology), Ministry of Agriculture and Agrarian Reform and lecturer assistant at the Department of Plant Protection, Faculty of Agriculture, Tishreen University, Syria

1992 - 1994 **POST GRADUATED STUDY** in the **I**nternational **C**entre for **A**gricultural **R**esearch in **D**ry **A**reas (**ICARDA**) in Aleppo, Syria in cooperation with Tishreen University. The studies were supported by a scholarship from ICARDA
Subject of MSc.: Survey of virus diseases of wild and cultivated legumes in the coastal region of Syria, Faba Bean Necrotic Yellows Virus (FBNYV) characterisation, host range, purification and screening of lens cultivars for resistance to FBNYV
Grade: Master of Science in plant virology (Excellent)
Referee : Dr. Khaled. Makkouk, E-Mail: K.Makkouk@CGENT.com

1986 – 1992 Scientific assistant in the centre for agricultural research (Dep. Phytopathology), Ministry of Agriculture and Agrarian Reform and lecturer assistant at the Department of Plant Protection, Faculty of Agricultural, Tishreen University, Syria

S k i l l s

Languages German (level **A**$^{++}$) and English (level **C - B**)

Computer International Computer Driving License

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SOME OF MY PUBLICATIONS

1. **Mouhanna, A.M.,** O. N. Hamoudi, M. M. Mofleh and H. S. Barhoum **(2019) :** Cultural Morphological Variations and Pathogenicity of *Fusarium* sp. Isolates causing fusarium wilt on some species of solanaceae in Syria. *Damascus University Journal for Agricultural Sciences.* (In press)

2. **Mouhanna, A.M.,** O. N. Hamoudi, M. M. Mofleh and H. S. Barhoum **(2019) :** Molecular markers ISSR and RAPD reflect genetic differences between Fusarium sp. isolates collected from Solanaceae plants in Syria with focus on *F. Oxysporium. Arab J. Plant Protection* (In Press)

3. **Mouhanna, A.M. 2018:** Primary evaluation of Acibenzolar-S-Methyl (ASM) efficiency on vegetative parameters and resistance responses of tomato and Eggplant to Root-Knot Nematode *Melodigyne* spp. *Arab J. Plant Protection* 36, 3, 2018..

4. **Mouhanna, A.M. 2018:** Comparison of RAPD and ISSR Markers in Detection of Genetic Diversity of Bemisia tabaci Genn. *Damascus University Journal for Agricultural Sciences.* (In press)

5. **Mouhanna, A.M. 2017**: Molecular Characterization of Bemisia tabaci Genn. Spread in Syrian Coastal Environments using ISSR markers. *Arab Journal for Arid* (ACSAD) (in press)

6. Barhoum, H.S., Alrouz H.A. and **Mouhanna A.M**. **2017**. First diagnosis of a Sacbrood virus and Chronic bee paralysis virus in the bee colonies in Syria *Damascus University Journal for Agricultural Sciences.* (In press)

7. Barhoum, H.S., Alrouz H.A. and **Mouhanna A.M**. **2017**. Survey of honeybee viruses in Syria. *Asian J Agri & Biol*. 2017;5(4): 257-262.

8. Barhoum, H. S.; EL-Roz, A.H. and **Mouhanna, A.M., (2017):** Molecular characterization and phylogenetic analysis of Deformed wing virus that infects honey bees in Syria. *Arab J. Plant Protection*, 35(3*).*

9. **Mouhanna, A.M**. and Barhoum, H.S. **2017**. Detection of some Genetic indicators of *Bemisia tabaci* (Genn.) Populations using ISSR-marker. *Damascus University Journal for Agricultural Sciences.*. (In press).

10. Barhoom, H. S., H.A. El-Roz and **A.M. Mouhanna. (2016**). A review of most common honey bee viruses worldwide: part II. *Arab Journal of Plant Protection*, 34(3): 156-166.

11. Yousef, A. A., **Mouhanna, A.M.** and. Barhum, HS (2016): Efficiency of different Biotypes of Bemisia tabaci Genn. that spread in the Syrian coast in the transmission of mild isolate of TYLCV. *International Journal of ChemTech Research***.** (9), 9

12. Hasan, A. and **Mouhanna,A.M. (2016)** Detection of Tomato Yellow Leaf Curl Virus TYLCV in some vegetable crops in greenhouses and identify its strains in the Syrian Coast. *International Journal of ChemTech Research* .Vol.9, No.11 pp 278-286.

13. Hasan, A. and **Mouhanna,A.M. (2016):** Evaluating of several methods to DNA extract from pepper plants Capsicum annuum L to detect viruses belonging to the genus Begomovirus. *AlBaath University Journal for the Agricultural Sciences* (28), 1 pp 167-185 (2016)

14. Yousef, A. A., **Mouhanna,A.M.** and. Barhum, HS **(2016):** Efficiency of four Bemisia tabaci (Genn) Biotypes Spread in the Syrian Coast to Transmit Tomato Yellow Leaf Curl Virus (TYLCV). *Arab Journal for Arid (ACSAD)*

15. **Mouhanna, A.M. (2016)** A preliminary study of honeybee paralysis virus in some provinces of Syria. *Arab J. Plant Protection* (34), 3.

16. Mouhanna, A.M and Barhoum, H. S, Alrouz, H. (2016): Review Study for the most prevalence honey bee viruses, *Arab J. Plant Protection* (Part 2) ,(34), 3.

17. **Mouhanna, A.M.,** Diebeh L. S., Choueiri E., (2016): Detection of *Polymyxa betae* using Scanning Electron Microscopy and Soil borne Viruses in sugar beet by Multiplex RT-PCR in Syria and Lebanon, *Arab J. Plant Protection*. 34, 2 (2016)

18. **Mouhanna, A.M** and Barhoum, H. S **(2016)** Detection of deformed wing virus of honeybees in some apiaries in Syria. *Annals of Biological Sciences*., 4(1):9-12

19. **Mouhanna, A.M.,** Barhoum, H. S.; Assllan, L. H. and Kassem, A.(**2014**): Detection of the Major Groups of *Bemisia tabaci* Genn. spread on Different Hosts in Syria Coastal Based on Random DNA Indices *Arab J. Plant Protection*. 32, 2 (2014)

20. **Mouhanna, A.M** and Barhoum, H. S (**2014**): Detection of some genetic diversity between populations of *Bemisia tabaci* Genn. that speared on Tomato and Eggplant in the Greenhouses and fields environments of Syrian coast. , *Arab J. Plant Protection*. 32, 1 (2014)

21. **Mouhanna,A.M** and M. Alhaj Omar. (**2013**): Review Study for the most prevalence honey bee viruses, *Arab J. Plant Protection* ,(31), 1 (2103)

22. Barhoum, H. S.; Assllan, L. H. and **Mouhanna, A.M., (2012)** : Detection the genetic diversity in populations of *Bemisia tabaci* (Genn.) spread on deferent host plants in greenhouses at the Syrian coastal using RAPD-PCR. Aleppo University *Journal for the Agricultural Sciences*. (28), 1 pp 167-185 (2012).

23. Barhoum, H. S.; Assllan, L. H. and **Mouhanna, A.M., (2012)** : Genetic variations in the populations of tobacco whitefly *Bemisia tabaci* Genn. spread in Syrian coastline fields *Arab Journal for Arid* (ACSAD)

24. Abboud.R, **Mouhanna, A.M.,** Choueiri E., and B. El Rahbana **(2012):** Assessment of the effectiveness of Beauveria bassiana fungus in controlling insects under greenhouse, field and laboratory conditions , *Persian Gulf Crop Protection* ,Volume 1 Issue 1, Pages 35-43 March 2012

25. **Mouhanna, A.M. (2012):** Host Range of *Polymyxa betae* Keskin which spread in Syrian and the ability of the infected Weeds to transfer it to Sugar beet. Damascus University *Journal for the Agricultural Sciences*. (28), 1 pp 167-185 (2012)

26. **Mouhanna, A.M**.(**2012**): Occurrence and Distribution of *Polymyxa betae* Keskin and *Polymyxa graminis* Led in Syria,. Damascus University *Journal for the Agricultural Sciences* (28), 1 pp 167-185 (2012)

27. Al-Abrass, N.; Hamed, F.; Badalousi, S.; **Mouhanna, A.M.**.(**2012**): Genetic diversity of Artemisia herba-alba Asso in Al-Qalamoun Province of Syria using RADP-PCR, *Arab Journal for Scientific Pharmacy*, (4), 8 (2012).

28. Louleh, J., **Mouhanna, A. M.**, Salti, M. N. and M. F. Azmeh, (**2011**): Genetic diversity of *Verticillium dahliae* Kleb causing cotton wilt disease in Syria using RADP-PCR, *Arab J. Plant Protection*. 29, 1 (2011)

29. **Mouhanna, A.M.** and E. Choueiri (**2009**) First Report of Beet soil-borne virus in Rhizomania-infested Soils of Sugar Beet Fields in Lebanon, *Journal of Plant Pathology* 91 (4), S4.97-S4.112 (2009)

30. **Mouhanna, A.M.;** Choueiri, E. and Langen, G.: **(2008):** First report of *Polymyxa betae* and *Polymyxa graminis* in Lebanon, *Journal of Plant Pathology*, 90 (3), 585-589 (2008)

31. **Mouhanna, A.M.;** Langen, G. and Schloesser, E.: **(2008**) Weeds as alternate hosts for BSBV, BNYVV and the vector *P. betae*. *Journal of Plant Diseases and Protection*, 115 (5), 193–198 (2008)

32. **Mouhanna, A.M.;** Kassem, A.H.; Alkhateeb,F.; Othman, O.; Alshaikh, A. and Alkhalf, A.: **(2007)** The First Report of *Polymyxa graminis* Led. in Northern Syria. *Arab and Near East, Plant Protection newsletter*, 39 ANEPPNEL 45, December 2007

33. **Mouhanna, A. M.;** Nasrallah, A.; Langen, G. and Schloesser, E.: **(2002)** Surveys for Beet Necrotic Yellow Vein Virus (the cause of Rhizomania), other Viruses, and Soil-borne Fungi Infecting Sugar Beet in Syria. *J. Phytopathology* 150, 657-662 (2002)

34. **Mouhanna, A.M.: (2001)** Rizomania: Untersuchungen zur Epidemiologie und zur Systemisch Aktivierten Resistenz (SAR) bei der Zuckerrübe. Diss. *Fachverlag Koehler*, Giessen. (236 S.) ISBN 3-934229-91-3 (2001)

35. **Mouhanna, A.M.;** Basedow, Th. and Schloesser, E.: **(2001)** Studies on interactions between the infection of susceptible and tolerant on sugar beet varieties with different Rhizomania-viruses, and aphids. *J. Plant Diseases and Plant Protection* 108 (2), 176 – 187 (2001)

36. **Mouhanna, A.M.;** Basedow, Th., Roessner, J. and Schloesser, E. **(2001):** Interactions between the infestation of sugar beets by different rhizomania-viruses, and beet cyst nematodes (*Heterodera schachtii* Schmidt), shown with cultivars susceptible and tolerant to rhizomania. *J. Plant Diseases and Plant Protection* 108 (4), 392 - 398 (2001)

37. **Mouhanna, A.M.** and Schloesser, E**.:(1998):** Effect of BION® on the viruses and their vector in rizomania of sugar beets. *Mededelingen Faculteit Landbouwkundige en Toegepaste Biologische Wetenschappen*, Univ. Gent 63 (3b), 977 - 982 (1998)

38. **Mouhanna, A.M.: (1994)** Survey of virus diseases of wild and cultivated legumes in the coastal region of Syria: Faba Bean Necrotic Yellows Virus (FBNYV) characterisation, host range, purification and screening of lens cultivars for resistance to FBNYV. MSc. Thesis, Univ. Tishreen (129 S.) (1994)

39. **Mouhanna, A.M.;** Makkouk, K. and Ismail, I.: **(1994)** Preliminary screening of lentil genotypes for resistance the Faba Bean Necrotic Yellow Virus. *Lens Newsletter* 21 (2), 41 – 43 (1994)

40. **Mouhanna, A.M.;** Makkouk, K. and Ismail, I.: **(1994):** Survey of virus diseases on wild and cultivated legumes in the coastal region of Syria. *Arab J. Plant Protection* 12 (1), 12 – 19 (1994)

41. **Mouhanna, A.M.;** Makkouk, K. and Ismail, I.:(**1994**) Faba Bean Necrotic Yellow Virus (FBNYV: Incidence, host range purification and serological properties. *J. Univ. Tishreen* 26 (1), 23 – 28 (1994)

42. **Mouhanna, A.M.;** Makkouk, K. and Ismail, I.: (**1994**) Seed transmission and effect of Broad Bean Wilt Virus (BBWS), Broad Bean Stain Virus (BBSV) and Bean Yellow Mosaic Virus (BYMV) on yield. *J. Univ. Tishreen* 25 (2), 70 – 77 (1994)

Papers under evaluation

- Abboud, R.; Al-Rahban, B.; **Mouhanna, A.M**.: Efficiency of *Beauveria Bassiana* in Controlling Certain Insect Pests (Persian Gulf Crop Protection).
- **Mouhanna, A.M.;** Choueiri, E. and Langen, G.: Occurrence and distribution of *Polymyxa betae* Keskin and *Polymyxa graminis* Led. in Syria (Journal of Plant Pathology).

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