



Hanna Mazen Madanat

Nationality: Jordanian
Date of Birth: 05 June, 1971
Place of Birth: Karak Jordan
Gender: Mr.
Mobile: 0790096507
Email: Madanat.h@narc.gov.jo

Experience

- 1998 - 1999** Vegetable production and protection in the greenhouse and open field in the Jordan valley with Agricultural engineer association and the private sector.
- 1999 - 2000** Purchasing coordinator for The Jordanian Wood Industries Company (JWICO).
- 2000 - 2015** National Agricultural Research Center (NARC). Researcher in plant protection directorate / specialized in Economic entomology and integrated pest management.
- 2016 - Present** Expert researcher in Economic entomology, mites and IPM, also conducting research on the green insecticides(bio-pesticides)extracted from the medicinal plants against arthropod pests and also in the bio-fractionation of the effective extracts and isolation of the active materials.
- 2017 - Present** Head of the Economic entomology and mites research division.
- 2003 - 2008** Co researcher with the Bee research department at NARC in many research projects.

Experience

- 1998 - 1999** Vegetable production and protection in the greenhouse and open field in the Jordan valley with Agricultural engineer association and the private sector.
- 1999 - 2000** Purchasing coordinator for The Jordanian Wood Industries Company (JWICO).
- 2000 - 2015** National Agricultural Research Center (NARC). Researcher in plant protection directorate / specialized in Economic entomology and integrated pest management.
- 2016 - Present** Expert researcher in Economic entomology, mites and IPM, also conducting research on the green insecticides(bio-pesticides)extracted from the medicinal plants against arthropod pests and also in the bio-fractionation of the effective extracts and isolation of the active materials.
- 2017 - Present** Head of the Economic entomology and mites research division.
- 2003 - 2008** Co researcher with the Bee research department at NARC in many research projects.

Experience

- 1998 - 1999** Vegetable production and protection in the greenhouse and open field in the Jordan valley with Agricultural engineer association and the private sector.
- 1999 - 2000** Purchasing coordinator for The Jordanian Wood Industries Company (JWICO).

- 2000 - 2015** National Agricultural Research Center (NARC). Researcher in plant protection directorate / specialized in Economic entomology and integrated pest management.
- 2016 - Present** Expert researcher in Economic entomology, mites and IPM, also conducting research on the green insecticides(bio-pesticides)extracted from the medicinal plants against arthropod pests and also in the bio-fractionation of the effective extracts and isolation of the active materials.
- 2017 - Present** Head of the Economic entomology and mites research division.
- 2003 - 2008** Co researcher with the Bee research department at NARC in many research projects.

Experiance

- 1998 - 1999** Vegetable production and protection in the greenhouse and open field in the Jordan valley with Agricultural engineer association and the private sector.
- 1999 - 2000** Purchasing coordinator for The Jordanian Wood Industries Company (JWICO).
- 2000 - 2015** National Agricultural Research Center (NARC). Researcher in plant protection directorate / specialized in Economic entomology and integrated pest management.
- 2016 - Present** Expert researcher in Economic entomology, mites and IPM, also conducting research on the green insecticides(bio-pesticides)extracted from the medicinal plants against arthropod pests and also in the bio-fractionation of the effective extracts and isolation of the active materials.
- 2017 - Present** Head of the Economic entomology and mites research division.
- 2003 - 2008** Co researcher with the Bee research department at NARC in many research projects.

Research Projects Funded by National Organizations

Integrated control for the Codling Moth *Cydia pomonella* L. in Jordan funded by NARC.

Screening wheat and barley lines for tolerance against the Cereal Leafminer *Syringopais temperatella* (Lepidoptera: Scythridaidae) funded by NARC.

Studying some plant extracts against the green peach aphid *Myzus persicae* and determination of the most effective fractions. Funded by Deanship of academic research UJ, scientific research fund and NARC.

Surveying the *Bemisia tabaci* biotypes in Jordan using micro satellites markers funded by NARC.

Publications Refereed Journals

Madanat, H. M. and Al-Antary, T. M., and Abu Zarga, M.H. 2018, IDENTIFICATION AND ISOLATION OF THE INSECTICIDAL COMPOUNDS FROM *ROBINIA PSEUDOACACIA* L. (FABACEAE), *Fresenius Environmental Bulletin*, 27(3):1838-1849.

Madanat, H. M. and Al-Antary, T. M., and Abu Zarga, M.H. 2017, Bioactivity of Six Acetone Plant Extracts Against the Green Peach Aphid *Myzus persicae* Sulzer (Homoptera: Aphididae), *Fresenius Environmental Bulletin*, 26(5):3340-3349 •

Madanat, H. M. and Al-Antary, T. M., and Abu Zarga, M.H. 2016, Toxicity of Six Ethanol Plant Extracts Against the Green Peach Aphid *Myzus persicae* Sulzer (Homoptera: Aphididae)., *Fresenius Environmental Bulletin*, 25(3):706-718.

Madanat, H. M., and Al-Antary, T. M.2012, Role of Mating Disruption Pheromones and Lure Traps Supplemented with Spraying Some Insecticides in Management of the Codling Moth *Cydia pomonella* (L.) (Lepidoptera: Tortricidae) in Jordan. *Jordan Journal of Agricultural Sciences*, 8(4): 583-595.

Madanat, H. M., Al-Zyoud, F. A. and Abdel-Gani, A.H. 2012, Sources of Tolerance in Wheat and Barley Against the Cereal Leafminer *Syringopais temperatella* (Lepidoptera: Scythridaidae) under Semi-arid Climate of Southern Jordan, *Jordan Journal of Agricultural Sciences*, 8(3): 367-379.

Haddad, N.J, Dovrak, O., Adwan, O, Madanat, H., and Bataynah, 2007, New data on Vespidae wasp fauna of Jordan (Hymenoptera: Vespidae), Linzer Biol. Beitr.,39(1): 137-142.

Publications Refereed Journals

Madanat, H. M. and Al-Antary, T. M., and Abu Zarga, M.H. 2018, IDENTIFICATION AND ISOLATION OF THE INSECTICIDAL COMPOUNDS FROM ROBINIA PSEUDOACACIA L. (FABACEAE), Fresenius Environmental Bulletin, 27(3):1838-1849.

Madanat, H. M. and Al-Antary, T. M., and Abu Zarga, M.H. 2017, Bioactivity of Six Acetone Plant Extracts Against the Green Peach Aphid *Myzus persicae* Sulzer (Homoptera: Aphididae), Fresenius Environmental Bulletin, 26(5):3340-3349 •

Madanat, H. M. and Al-Antary, T. M., and Abu Zarga, M.H. 2016, Toxicity of Six Ethanol Plant Extracts Against the Green Peach Aphid *Myzus persicae* Sulzer (Homoptera: Aphididae), Fresenius Environmental Bulletin, 25(3):706-718.

Madanat, H. M., and Al-Antary, T. M. 2012, Role of Mating Disruption Pheromones and Lure Traps Supplemented with Spraying Some Insecticides in Management of the Codling Moth *Cydia pomonella* (L.) (Lepidoptera: Tortricidae) in Jordan. Jordan Journal of Agricultural Sciences, 8(4): 583-595.

Madanat, H. M., Al-Zyoudeh, F. A. and Abdel-Ghani, A.H. 2012, Sources of Tolerance in Wheat and Barley Against the Cereal Leafminer *Syringopais temperatella* (Lepidoptera: Scythrididae) under Semi-arid Climate of Southern Jordan, Jordan Journal of Agricultural Sciences, 8(3): 367-379.

Haddad, N.J, Dovrak, O., Adwan, O, Madanat, H., and Bataynah, 2007, New data on Vespidae wasp fauna of Jordan (Hymenoptera: Vespidae), Linzer Biol. Beitr.,39(1): 137-142.

Publications Books and Booklet

Madanat, H, 2009, The Cereal leaf miner *Syringopais temperatella*,. NARC.

Haddad, N, Madanat, H., and Bataineh, A., 2005, The Tracheal Mite *Acarapis woodi*, The Agricultural Extension Service. MoA. Jordan.

Haddad, N, Madanat, H., and Bataineh, A. 2005, The Varroa Mite *Varroa destructor* The Agricultural Extension Service. MoA. Jordan.

Madanat, H., 2013, The Olive Stone Pit Scale *Pollinia pollini* (Asterolecanidae).NARC.

Contribution in translating the English edition of a book entitled: "The Buzz about Bees - Biology of a Superorganism,into Arabic, Jürgen Tautz.

Haddad, N., Aladwan, O., Haddadin, J., Madanat, H., Brake, M, Bataineh, A., and Megdadi, O. 2007, Dictionary of Apiculture, Bee Research Unit, NCARTT, Jordan.

Presentations at Conferences and Scientific Events

Madanat, H. M. and Al-Antary, T. M., and Abu Zarga,2016, Toxicity of Six Ethanol Plant Extracts Against the Green Peach Aphid *Myzus persicae* Sulzer (Homoptera: Aphididae). Conference: paper, Turkey 6th Plant Protection Congress with International Participation 5 to 8 September, in Konya, at Konya- Turkey. Oral presentation. In English.

Madanat, H. 2012, Studying population trends and thermal units of codling moth *Cydia pomonella* (L.) (Lep: Tortricidae) and its control, The Seventh Scientific Agricultural Conference SSAC- October 8-10, Faculty of Agriculture Jordan University of Science & Technology (JUST) Irbid –Jordan . Oral presentation. In English.

Madanat, H. 2011, Suggested Economic Trap, Conference Paper, *Tuta absoluta* on Tomato at MENA region, 19-21 July, at Holiday Hotel, Amman, Jordan. Oral presentation. In English.

Madanat, H.M. and Akkawi, M. M.,2007, Studying Some Integrated Control Concepts of the Codling Moth *Cydia pomonella* (L.) (Lepidoptera: Tortricidae) in Ash-Ahawbak area, The Sixth Jordanian Scientific Conference 9-12 April, University of Jordan, Faculty of agriculture, Amman, Jordan. P:56

Presentations at Conferences and Scientific Events

Madanat, H. M. and Al-Antary, T. M., and Abu Zarga,2016, Toxicity of Six Ethanol Plant Extracts Against the Green Peach Aphid *Myzus persicae* Sulzer (Homoptera: Aphididae). Conference: paper, Turkey 6th Plant Protection Congress with International Participation 5 to 8 September, in Konya, at Konya- Turkey. Oral presentation. In English.

Madanat, H. 2012, Studying population trends and thermal units of codling moth *Cydia pomonella* (L.) (Lep: Tortricidae) and its control, The Seventh Scientific Agricultural Conference SSAC- October 8-10, Faculty of Agriculture Jordan University of Science & Technology (JUST) Irbid –Jordan . Oral presentation. In English.

Madanat, H. 2011, Suggested Economic Trap, Conference Paper, *Tuta absoluta* on Tomato at MENA region, 19-21 July, at Holiday Hotel, Amman, Jordan. Oral presentation. In English.

Madanat, H.M. and Akkawi, M. M.,2007, Studying Some Integrated Control Concepts of the Codling Moth *Cydia pomonella* (L.) (Lepidoptera: Tortricidae) in Ash-Ahawbak area, The Sixth Jordanian Scientific Conference 9-12 April, University of Jordan, Faculty of agriculture, Amman, Jordan. P:56

Short Missions Advisor and Training Expert

A Trainer in the Training Program for the Iraqi Agricultural Engineers about Bacterial Diseases of the Honeybees, at NCARE, 2007.

A Trainer in the Training Program for Iraqi Agricultural Engineers about Bacterial and Fungal Diseases of the Honeybees, at NCARE 2008.

Lecturer in many Extension Programs in cooperation with the Extension Dept. during the service period: - The Cereal Leaf miner & its Control in Karak areas. - The Insect Pests of Olives. - Integrated pest management for the codling moth *Cydia pomonella*. - Integrated pest management on the Cereal Leaf miner for the agricultural engineers.

Coordinator of a workshop about Management of olive orchards and the most important pests that was held in Rabba agricultural research center for about more than sixty olive farmers in Karak governorate

Short Missions Advisor and Training Expert

A Trainer in the Training Program for the Iraqi Agricultural Engineers about Bacterial Diseases of the Honeybees, at NCARE, 2007.

A Trainer in the Training Program for Iraqi Agricultural Engineers about Bacterial and Fungal Diseases of the Honeybees, at NCARE 2008.

Lecturer in many Extension Programs in cooperation with the Extension Dept. during the service period: - The Cereal Leaf miner & its Control in Karak areas. - The Insect Pests of Olives. - Integrated pest management for the codling moth *Cydia pomonella*. - Integrated pest management on the Cereal Leaf miner for the agricultural engineers.

Coordinator of a workshop about Management of olive orchards and the most important pests that was held in Rabba agricultural research center for about more than sixty olive farmers in Karak governorate

Short Missions Advisor and Training Expert

A Trainer in the Training Program for the Iraqi Agricultural Engineers about Bacterial Diseases of the Honeybees, at NCARE, 2007.

A Trainer in the Training Program for Iraqi Agricultural Engineers about Bacterial and Fungal Diseases of the Honeybees, at NCARE 2008.

Lecturer in many Extension Programs in cooperation with the Extension Dept. during the service period: - The Cereal Leaf miner & its Control in Karak areas. - The Insect Pests of Olives. - Integrated pest management for the codling moth *Cydia pomonella*. - Integrated pest management on the Cereal Leaf miner for the agricultural engineers.

Coordinator of a workshop about Management of olive orchards and the most important pests that was held in Rabba agricultural research center for about more than sixty olive farmers in Karak governorate

Short Missions Advisor and Training Expert

A Trainer in the Training Program for the Iraqi Agricultural Engineers about Bacterial Diseases of the Honeybees, at NCARE, 2007.

A Trainer in the Training Program for Iraqi Agricultural Engineers about Bacterial and Fungal Diseases of the Honeybees, at NCARE 2008.

Lecturer in many Extension Programs in cooperation with the Extension Dept. during the service period: - The Cereal Leaf miner & its Control in Karak areas. - The Insect Pests of Olives. - Integrated pest management for the codling moth *Cydia pomonella*. - Integrated pest management on the Cereal Leaf miner for the agricultural engineers.

Coordinator of a workshop about Management of olive orchards and the most important pests that was held in Rabba agricultural research center for about more than sixty olive farmers in Karak governorate

Short Missions Advisor and Training Expert

A Trainer in the Training Program for the Iraqi Agricultural Engineers about Bacterial Diseases of the Honeybees, at NCARE, 2007.

A Trainer in the Training Program for Iraqi Agricultural Engineers about Bacterial and Fungal Diseases of the Honeybees, at NCARE 2008.

Lecturer in many Extension Programs in cooperation with the Extension Dept. during the service period: - The Cereal Leaf miner & its Control in Karak areas. - The Insect Pests of Olives. - Integrated pest management for the codling moth *Cydia pomonella*. - Integrated pest management on the Cereal Leaf miner for the agricultural engineers.

Coordinator of a workshop about Management of olive orchards and the most important pests that was held in Rabba agricultural research center for about more than sixty olive farmers in Karak governorate

Short Missions Advisor and Training Expert

A Trainer in the Training Program for the Iraqi Agricultural Engineers about Bacterial Diseases of the Honeybees, at NCARE, 2007.

A Trainer in the Training Program for Iraqi Agricultural Engineers about Bacterial and Fungal Diseases of the Honeybees, at NCARE 2008.

Lecturer in many Extension Programs in cooperation with the Extension Dept. during the service period: - The Cereal Leaf miner & its Control in Karak areas. - The Insect Pests of Olives. - Integrated pest management for the codling moth *Cydia pomonella*. - Integrated pest management on the Cereal Leaf miner for the agricultural engineers.

Coordinator of a workshop about Management of olive orchards and the most important pests that was held in Rabba agricultural research center for about more than sixty olive farmers in Karak governorate

Short Missions Advisor and Training Expert

A Trainer in the Training Program for the Iraqi Agricultural Engineers about Bacterial Diseases of the Honeybees, at NCARE, 2007.

A Trainer in the Training Program for Iraqi Agricultural Engineers about Bacterial and Fungal Diseases of the Honeybees, at NCARE 2008.

Lecturer in many Extension Programs in cooperation with the Extension Dept. during the service period: - The Cereal Leaf miner & its Control in Karak areas. - The Insect Pests of Olives. - Integrated pest management for the codling moth *Cydia pomonella*. - Integrated pest management on the Cereal Leaf miner for the agricultural engineers.

Coordinator of a workshop about Management of olive orchards and the most important pests that was held in Rabba agricultural research center for about more than sixty olive farmers in Karak governorate

Training Courses

Seconded in a (training course) that will be organized at the Andalusian Institute of Agricultural and Fisheries Research and Training (IFAPA) in Cordoba /Spain during the period from 1-30 September, 2018 within "Bioresources For Oliviculture project (BEFORE)".

Workshop on proposal writing for H2020 EU funding opportunities (24 hours), 5-7 December, 2016, Amman .

International course on Integrated Pest Management and Good Agricultural Practices, 8-11 November 2015, Ghor El Safi , Jordan.

Training course on the Detection of the Honey Bee Viruses Using Biotechnology. Jan 5th-8th 2010 at Honeybee diseases laboratory NCARE.

Attending training course entitled "The Biological Control of Olive Fruit Fly ", during the period (10-13/8 /2008), Israel Cohen Institution for Biological control, Israel.

Course in Pollen Identification Technologies at NCARE (JAN 17th – JAN 19th 2007).

Workshop in Leadership (April 30th – May 2nd 2004). Jesuit Centre, Amman Jordan.

Workshop on Bee Breeding & Pollination for Jordanian Professionals, (DEC 1st – DEC 9th 2004), CINADCO, Israel.

Advanced Course in Honeybee Pathology & Fundamentals of Organic Honey Production. NCARE, in-coordination with Agricultural Engineers Association & without Frontiers Apiculturists Association (DEC 2nd – DEC 12th 2003).

Specialized Course in IPM & Diagnostics, ICARDA, Aleppo, Syria (MAY 4th – MAY 15th 2003).

A course in German language, Eurolingua 1. Goethe-Institute, Amman Jordan.

Languages

Arabic: Mother Tongue

English: Very Good