


# Dr AHMED M. M. AHMED

PhD, MPhil, BSc Agricultural Science  
Research Fellow in Plant Protection  
University of Yucatan | Mexico

 Citations: 530; h-index 4

## PERSONAL INFORMATION

First Name	Ahmed Mahmoud Mohamed
Family Name	Ahmed
Address	Faculty of Agriculture, Plant Protection Department, Assiut University, 71526 Assiut, Egypt
Date of birth:	6 January 1984
Citizenship	Egypt
Email	<a href="mailto:saleh_moda@yahoo.com">saleh_moda@yahoo.com</a> <a href="mailto:ahmed.ahmed@correo.uady.mx">ahmed.ahmed@correo.uady.mx</a>

## EDUCATION AND QUALIFICATIONS

2012 to 2015	<b>PhD in Entomology (Pest Management and Plant Protection)</b> Thesis entitled: Biotic and abiotic factors affecting the population dynamics of <i>Leucaena</i> genotypes pests: <i>Heteropsylla cubana</i> Crawford and <i>Thrips tabaci</i> Lindeman under tropical conditions in Yucatan, Mexico Department of Animal Nutrition, University of Yucatan, Mexico
2007 to 2010	<b>Master of Philosophy (MPhil) in Entomology (Plant Protection)</b> Thesis entitled: Ecological Studies on Certain Pests Infesting Grapevine at Assiut Region Department of Plant Protection, Faculty of Agriculture, Assiut University, Assiut, Egypt.
2000 to 2004	<b>BSc in Agricultural Science</b> Department of Plant Protection, Faculty of Agriculture, Assiut University, Assiut, Egypt.

## WORK EXPERIENCE

April 2019 - Present	<b>Research Fellow – Plant Protection</b> Research leader in the Project vector control (Mosquitoes) in the Collaborative unit for entomological bioassays (UCBE) and Health Secretary, at Faculty of Veterinary Medicine and animal science, University of Yucatán (UADY), Mérida, Yucatán, Mexico
Sep 2015 - April 2019	<b>Lecturer in Plant Protection</b> Department of Plant Protection, Faculty of Agriculture, Assiut University, Assiut, Egypt.
Jan 2012 - Dec 2015	<b>Research Assistant in Plant Protection &amp; Biological Control</b> Department of Plant Protection, Faculty of Agriculture, Assiut University, Assiut, Egypt.
Dec 2004 - Dec 2012	<b>Associate Lecturer in Plant Protection</b> Department of Plant Protection, Faculty of Agriculture, Assiut University, Assiut, Egypt.

## PUBLICATIONS & RESEARCH OUTPUTS

### Journal Articles

- 2020 Dzib-Florez, Sergio, Ponce-Garcia, Gustavo, Medina-Barreiro, Anuar, Gonzalez-Olvera, Gabriela, Contrearras-Perera, Yamili, Luis Felipe, **Ahmed, Ahmed M.M.**, Che-Mendoza, Azael, McCall, Philip, MANRIQUE-SAIDE, PABLO. Evaluating over-the-counter household insecticide aerosols for rapid vector control of pyrethroid-resistant *Aedes aegypti*. *American Journal of Tropical Medicine & Hygiene (Q1) Impact Factor (1.18)*, (Accepted, 24/06/2020).
- 2020 Pablo Manrique Saide, Herrera-Bojórquez Josue, Anuar Medina-Barreiro, Emilio Trujillo-Peña, Josué Villegas-Chim, Nina Valadez-González, **Ahmed M.M. Ahmed**, Hugo Delfín-González, Jorge Palacio-Vargas, Azael Che-Mendoza, Norma Pavía-Ruz, Adriana Flores-Suárez, Gonzalo Vazquez-Prokopec. Insecticide-treated house screening protects against Zika-infected *Aedes aegypti* in Merida, Mexico. *PLOS Neglected Tropical Diseases (Q1) Impact Factor (4.48)*, (Accepted, 24/11/2020).
- 2020 **Ahmed M. M. Ahmed**, Othman, AA., Francisco J Solorio Sánchez. Influence of Emamectin Benzoate; Emamectin Nanoformulations and some Weather Factors on the Population Fluctuations of *Tuta absoluta* (Lepidoptera: Gelechiidae). *J. of Plant Protection and Pathology, Mansoura Univ., Vol. 11 (4): 231 - 236, 2020*.
- 2019 Radi, AA, **Ahmed M. M. Ahmed**, Tolba, EFM. Role of free and bound phenols with certain field factors in the population density of aphid species and onion thrips attacking bread wheat cultivars under drought conditions. *J. Plant Prot. And Path., Mansoura Univ., 10 (1): 57 –64*.
- 2019 Ahmed, AMM; Radi, AA; Eman F. M. Tolba, EFM. Efficiency of phenolic contents and some field factors on the population abundance of aphid species and onion thrips infesting bread wheat cultivars under irrigation conditions. *J. Plant Prot. And Path., Mansoura Univ., 10 (1): 69 – 75*.
- 2019 **Ahmed M. M. Ahmed**, Radi, AA, Francisco, J, Sánchez S. Population dynamics of aphids and thrips on certain bread wheat cultivars in relation to yield, genotypic preference and factors regulating their fluctuation under drought and irrigation conditions. *Tropical and Subtropical Agroecosystems*, 22 (3).
- 2019 Saad MAA, **Ahmed M. M. Ahmed**, Abdallah, G AM, Ezz El-Din, HA, Mahmoud, HA, Othman AA. Seasonal incidence and efficacy of nano- thiamthoxam on tomato the leaf miner, *Liriomyza trifolii* (Burgess) (Diptera: Agromyzidae). *Journal of Phytopathology and Pest Management* 6 (1): 1-10.
- 2018 Ahmed, MA, **Ahmed M. M. Ahmed**, Amro, AM. Possible chitin inhibitor effect of *Milutias Indicus* (L.) Extraction on *Spodoptera littoralis* (Bosiduvall) under laboratory conditions. *Entomol Appl Sci Lett*, 2018, 5 (4): 112-118
- 2016 Soliman M. El-Sagheer, Ahmed I. El-Tokhy, Francisco J Solorio Sánchez and **Ahmed M. M. Ahmed**. A surveillance and comparative the effectiveness of different insecticides against sucking pests in Sweet pepper (*Capsicum annum* L.) plants under greenhouse conditions. *Advances in Environmental Biology*, 10 (12): 284-287.
- 2016 **Ahmed M. M. Ahmed**, Sánchez, FJ, y Avilés, LR; Al-Zyoud, FA. Survey the natural enemies of Leucaena Psyllid and Onion Thrips, and study their effects with harvest processes on the population fluctuation of both pests on Different Leucaena genotypes. *Revista Mexicana de Ciencias Agrícolas*, 7 (1) 2016, p. 133-145.
- 2016 **Ahmed M. M. Ahmed**, Sánchez, FJS, Ramirez y Avilés, Mahdy, RE, Camaal, JB. Tannins and Mimosine in Leucaena genotypes and their relations to Leucaena resistance against Leucaena Psyllid and Onion Thrips. *Agroforestry syst*, 91 (1): 1-8 (Q1).

- 2014 **Ahmed M. M. Ahmed**, Ramírez y Avilés, Sánchez, FJS, Al-Zyoud, FA, Barros-Rodríguez, M. 2014. An overview of some biotic and abiotic factors affecting the population dynamics of Leucaena Psyllid, *Heteropsylla Cubana* Crawford (Homoptera: Psyllidae): contributory factors for pest management. [Panorama general sobre los factores bióticos y abióticos que afectan la dinámica de la población del psílido *Heteropsylla cubana* Crawford (homoptera: psyllidae) en leucaena: factores que contribuyen en el manejo de plagas]. *Tropical and Subtropical Agroecosystems*, 17: 437 – 446.
- 2014 Barros-Rodríguez, MA, Sánchez, FJS, Sandoval-Castro, CA, **Ahmed M. M. Ahmed**, Rojas-Herrera, Briceño-Poot, REG, Ku-Vera, JC. Effect of intake of diets containing tannins and saponins on in vitro gas production and sheep performance. *Animal Production Science* 54 (9): 1486-1489.
- 2012 Mannaa, SH.; Al-Zyoud, FA, **Ahmed M. M. Ahmed**. Effect of some abiotic and biotic factors on population dynamics of *Retithrips syriacus* Mayet (Thripidae: Thysanoptera) and *Panonychus ulmi* Koch (Tetranychidae: Prostigmata) infesting grapevine). *Jordan Journal of Agricultural Sciences*.
- 2010 Khalil, FM, Abou-Ghadir, MF, Mannaa, SH, **Ahmed M. M. Ahmed**. Survey and Seasonal Fluctuation of Certain Pests Associated with Grapevine trees at Assiut Region. *Assiut J. of Agric. Sci.*, 41:183-195.

### Conference and workshop Presentations

- 2020 Participation with an abstract by article author in The International Conference of Biodiversity and National Security (ICBNS <sup>2020</sup>) entitled: (A surveillance and comparative the effectiveness of different insecticides against sucking pests in Sweet pepper (*Capsicum annum* L.) plants under greenhouse conditions) Aswan University during 24-26 February, 2020.
- 2019 Participated in the theoretical and practical course of: (Techniques of chemical control of mosquitoes: Indoor residual spraying) which carried out in Universidad Autonoma de Yucatan Campus de Ciencias Biológicas y Agropecuarias Unidad Colaborativa para Bioensayos Entomologicos, in the city of Merida, Yucatan, Mexico on May 3-5, 2019. Duration: 24 hrs.
- 2019 Participated with poster in the 1<sup>st</sup> International development Conference of Quevedo University entitled: (Efficiency of phenolic contents and some field factors on the population abundance of aphid species and onion thrips infesting bread wheat cultivars under irrigation conditions) University of Quevedo (UTEQ), Quevedo, Ecuador.
- 2019 Lecturer (Oral presentation) in the 1<sup>st</sup> International development Conference of Quevedo University entitle (An overview on the Biological Control: contributory trend for pest management) University of Quevedo (UETQ), Quevedo, Ecuador.
- 2014 Lecturer (Oral presentation) in The Investigation Conference in The Institutional Graduate of Agricultural science and Resources Management of natural Tropical entitle "Survey the natural enemies of Leucaena Psyllid, Onion Thrips and studying their Effects on the population Fluctuation of both pests on different Leucaena genotypes" at Faculty of Veterinary Medicine and animal science, University of Yucatan (UADY), Merida, Yucatan, Mexico.
- 2014 Participate with poster entitled: Effects of some biotic and abiotic factors on population dynamics of *Heteropsylla cubana* Crawford (Homoptera: Psyllidae) and *Thrips tabaci* Lindeman (Thysanoptera: Thripidae) on different Leucaena genotypes in Mexico" in The Investigation Conference in The Institutional Graduate of Agricultural science and Resources Management of natural Tropical at Faculty of Veterinary Medicine and animal science, University of Yucatan (UADY), Merida, Yucatan, Mexico.
- 2013 Lecturer (Oral presentation) in The Investigation Conference in The Institutional Graduate of Agricultural science and Resources Management of natural Tropical entitled: Ecological Studies on insects infesting different varieties of *Leucaena* and their interactions with natural enemies under tropical intensive Silvopastoral systems" at Faculty of Veterinary Medicine and animal science, University of Yucatan (UADY), Merida, Yucatan, Mexico.
- 2012 Participate with poster (Awarded 1<sup>st</sup> prize best poster) entitled: Ecology of *Heteropsylla cubana*

Crawford and its interaction with different *Leucaena leucocephala* (Lam.) De Wit varieties in Mexico" in The Investigation Conference at The Institutional Graduate of Agricultural science and Resources Management of natural Tropical at Faculty of Veterinary Medicine and animal science, University of Yucatan (UADY), Merida, Yucatan, Mexico.

2010 Lecturer (Oral presentation) in The Conference of Young Scientists of Agricultural sciences entitled: Survey and Seasonal Fluctuation of Certain Pests Associated with Grapevine trees at Assiut Region" at faculty of Agriculture, Assiut University, Assiut, Egypt.

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## FUNDED RESEARCH PROJECTS

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2019 to Present	<b>Quantifying the Epidemiological Impact of Targeted Indoor Residual Spraying on Aedes-borne Diseases</b>
Funding Agency	<i>Emory University (EUA), Fred Hutchinson Cancer Research Center, University of Florida, CDC, Secretaría de Salud, Servicios de Salud de Yucatán</i>
Role	<b>Research Fellow</b>
2019 to Present	<b>Evaluation of indoor residual spraying to control <i>Aedes aegypti</i> in urban areas</b>
Funding Agency	<i>Emory University, Secretaría de Salud de México (CENAPRECE) y Servicios de Salud de Yucatán.</i>
Role	<b>Research Fellow</b>
2019 to Present	<b>Wolbachia-based strategy for Zika vector control in Central and South America</b>
Funding Agency	<i>Michigan State University (EUA); Secretaría de Salud de México (CENAPRECE) y Gobierno del Estado de Yucatán.</i>
Role	<b>Research Fellow</b>
2019 to Present	<b>Escalation of innovative interventions and epidemiological surveillance for the prevention and control transmitted diseases by <i>Aedes aegypti</i> in three Latin American countries</b>
Funding Agency	<i>Secretaría de Salud de México (CENAPRECE) y Servicios de Salud de Yucatán, Instituto Nacional de Salud Pública (Mex); Emory University (EUA); Universidad de Ceara (Brasil), Fundación Santa Fé de Bogotá (Colombia)</i>
Role	<b>Research Fellow</b>
2016 to present	<b>Evaluation of the effectiveness of some Acari pesticides (group B- citrus) against fruit mites in Assiut governorate)</b>
Funding Agency	<i>The Egyptian Agricultural Ministry, Egypt</i>
Role	<b>Principal Investigator</b>
2012 to 2015	<b>PHASE II: Evaluation of forage production and environmental services in the management of intensive silvopastoral systems in the Tepalcatepec Valley, Michoacán</b>
Funding Agency	<i>The UADY project system with the SISTPROY FMVZ KEY- 2012-0003, Mexico</i>
Role	Associate Investigator
2012 to 2015	<b>Sharing Best Agroecological Practice for Resilient Production Systems in Dryland and Drought Conditions</b>
Funding Agency	The European Community, EU
Role	Associate Investigator

2012 to 2015	<b>Territorial Innovation Network (RITER) for sustainable livestock – Hobonil</b>
Funding Agency	<i>The Nature Conservancy, Mexico</i>
Role	<b>Research Assistant</b>
2013	<b>Optimization of animal load an intensive silvopastoral system for the production of Beef</b>
Funding Agency	<i>The UADY project system with the SISTPROY FMVZ-2013-0012 KEY, Mexico</i>
Role	<b>Research Assistant</b>
2012-2014	<b>Development of a sustainable production model for cattle farming in the Tepalcatepec Valley</b>
Funding Agency	<i>SAGARPA-CONACYT, Mexico</i>
Role	<b>Research Assistant</b>

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## TEACHING ACTIVITIES

I have been involved in teaching and fully coordinating and marking the following unit/subjects in Entomology:

### UNDERGRADUATE

#### ***Coded courses under credit hour system***

PP (2108)	Economic insect environment
PP (2134)	Integrated Management to reduce pest population
PP (2132)	Pests of Medicinal and aromatic plants
PP (1132)	Principles of Pests Control
PP (1123)	Biological Control
PP (1143)	Principles of Economic Entomology
PP (2163)	Taxonomy of Insects
PP (2165)	Economic Entomology
PP (3165)	Insects of Field Crops
PP (3167)	Insects of Horticulture Crops

### POSTGRADUATE

#### ***Coded courses under credit hour system***

PP (200)	Plant Protection Research
PP (201)	Plant Protection Discussions Advanced
PP (202)	Plant Protection Special Topics Advanced (Insect Sampling Methods and Estimation of Field Infestation)
PP (205)	Plant Protection Insect Ecology Advanced
PP (225)	Plant Protection Quarantine and Plant Protection
PP (233)	Plant Protection Pesticides of Animal Pests (Advanced)
PP (333)	Plant Protection Methods of Preparing & Writing Scientific Research
PP (101)	Principles of Pests Control Advanced
PP (103)	Biological Control Advanced
PP (114)	Principles of Economic Entomology Advanced
PP (214)	Taxonomy of Insects Advanced
PP (216)	Economic Entomology Advanced
PP (217)	Insect behaviour Advanced
PP (317)	Insect Ecology Advanced
PP (319)	Insect Vector diseases Advanced
PP (313)	Insect Morphology Advanced
PP (411)	Insect Pests Control Advanced
PP (414)	Economic Entomology Advanced
PP (420)	Leguminous Crop Insect pests and Its Control Advanced

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**INSTITUTIONAL CITIZENSHIP**

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2015 to 2017	Member in the team of updating the strategic plan for The Faculty of Agriculture Assiut University, Assiut, Egypt
2016	Coordinator member in the administrative system team of Faculty of Agriculture Assiut University, Assiut, Egypt
2017	Internal reviewer member of Quality and Accreditation committee for Faculty of Agriculture Departments at Assiut Univ.
2017	Academic advisor for first grade students at Faculty of Agriculture, Assiut University, Assiut, Egypt
2016 to 2017	Member in the Candidate committee from Faculty of Agriculture to Agriculture Organization at Assiut Government for (The insect pest problems of Pomegranates trees in Badary, Assiut, Egypt),
2009	Member of the organization committee in The Conference of Young Scientists of Agricultural sciences at Faculty of Agriculture, Assiut University, Assiut, Egypt

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**HIGHER DEGREE BY RESEARCH SUPERVISION**

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2017-2019 (Completed)	MPhil	<b>Mohamed Abdel Baset, thesis entitled:</b> Determination of Toxicity and Residues of Certain Nano Neonicotinoid Insecticides on Tomato Crops)
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**REFERENCES**

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Available on Request