

**CURRICULUM VITAE**  
**ABDULAZIZ M.A. MOHAMED**  
**APRIL 2015**



## PERSONAL DATA

**Place of Birth:** Manama, Kingdom of Bahrain  
**Citizenship:** Bahraini  
**Postal Address:** Department of Life Sciences, College of Graduate Studies  
Arabian Gulf University, P.O. Box 26671, Manama, Kingdom of Bahrain  
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## EDUCATION

**2003 Ph.D. major Entomology and minor Agronomy**  
University of Wisconsin-Madison  
Madison, Wisconsin, United States of America

**1987 M.S. in Plant Protection (Entomology)**  
King Saud University  
Riyadh, Saudi Arabia

**1981 B.S. major Plant Production and Plant Protection**  
Riyadh University (now King Saud University)  
Riyadh, Saudi Arabia

## PROFESSIONAL EXPERIENCE

- 2014-present** Chairman, Depart of Life Sciences, College of Graduate Studies, Arabian Gulf University, Kingdom of Bahrain
- Associate Professor, Depart of Life Sciences, College of Graduate Studies, Arabian Gulf University, Kingdom of Bahrain
- 2011-2014** Director, Plant Wealth Directorate, Ministry of Municipality and Urban Planning Affairs, Kingdom of Bahrain
- 2009- 2012** Part Time Assistant Professor, Desert and Dry Land Program, College of Graduate Studies Arabian Gulf University, Kingdom of Bahrain
- 2009- 2011** Acting Director, Plant Wealth Directorate, Ministry of Municipality and Urban Planning Affairs, Kingdom of Bahrain
- 2006-2009** Acting, Plant Wealth Directorate, Ministry of Municipalities and Agriculture Affairs, Kingdom of Bahrain

## CURRENT TEACHING RESPONSIBILITIES

### COURSES TAUGHT

1. Integrated Pest Management (DAGS 0536)
2. Biological Control (DAGS 0537)
3. Environmental Sciences (ENVO 0530) - Fall 2014
4. Bioscience Communication (BIO 0512) - Spring 2015
5. Agricultural Ecology (ABT 0637) - Spring 2015

### COMPLETED GRADUATE STUDENT COMMITTEE

1. Isa A. Ghanim (2012)  
Thesis title "The Effect of Tertiary Sewage Effluent on Activity of Major Piercing-Sucking Mouthparts Insects and Their Natural Enemies on Alfalfa Crop"
2. Ali A. Alosfor (2013)  
Thesis title " A Study of Some Ecological and Biological Aspects of the Red Palm Weevil in the Kingdom of Bahrain"

## PROFESSIONAL SERVICE S

### ARABIN GULF UNIVERSITY

- Member of the College of Graduate Studies Committee (2014-present)
- Member of the Research and Ethics Committee (2014-present)
- Member of the Student Discipline Committee (2014-prsent)
- Chairman of the Graduate Students Discipline Committee, College of Graduate Studies (2014-present)

Supervisor of the Greenhouses at Sultan Qaboos Center for Modern and Soilless Culture (2014-present)

## **LOCAL AND REGIONAL**

Member of the jury panel for King Hamad Award for Agricultural Development, National Initiatives for Agricultural Development, Kingdom of Bahrain (2014-present)

Member of the Academic Committee, Higher Education Council, Ministry of Education (2012-present)

Vice-president of Plant Quarantine Committee, Ministry of Municipalities Affairs and Urban Planning (2012-2014)

Member of the Bilateral Coordination Team on Biodiversity, Ministry of Municipalities Affairs and Urban Planning representative (2012-2014)

Focal Point to the International Plant Protection Convention (IPPC), Commission on Phytosanitary Measures, Food and Agriculture Organization (FAO) (2012-2014)

Member of the Study and Review Committee of the Ministry of Municipalities Affairs and Urban Planning Organizational Structures (2012)

Member Bahrain National Scientific Team for Peaceful Use of Nuclear Energy, Ministry of Municipalities Affairs and Urban Planning representative (2011)

Member of the National Team on Government Initiative to Optimize the Use of Natural and Available Resources, Ministry of Finance, Ministry of Municipalities Affairs and Urban Planning representative (2011-2014)

Chairperson of many Commission of inquiries, Ministry of Municipalities Affairs and Urban Planning (2011-2014)

Member of the National Standardization Committee, Ministry of Municipalities Affairs and Urban Planning representative (2010-2014)

Chairperson of National Standardization Sub-Committee on Chemical, Fabrics, Spinning, Ministry of Industries and Commerce (2010-2014)

Supervisor of Al Budaiya Botanical Garden, Ministry of Municipalities and Urban Planning Affairs (2009-2011)

Member of Agriculture Affairs Excellence Program Committee, Ministry of Municipalities Affairs and Urban Planning representative (2009-2011)

Member of the Scientific Committee, International Symposium on Palm Lives and Civilization, Isa Cultural Center, Kingdom of Bahrain (2009).

Member of the Regulations and Agricultural Policies Commission to the Secretariat General of the Cooperation Council for the Arab States of the Gulf (GCC), Ministry of Municipalities Affairs and Urban Planning representative (2008-2014)

Member of the Agriculture Affairs Economic Strategy Planning Committee, Ministry of Municipalities and Agriculture Affairs (2007-2008)

Vice Chair of Pesticide Registration Committee, Ministry of Municipalities and Agriculture Affairs (2007- 2014)

Member of Plant Quarantine Committee, Ministry of Municipalities and Agriculture Affairs (2007- 2011)

Member of National Committee Investigating the European Union Complain on the Issue of Garlic Country of Origin Re-exported to European Union Countries, Ministry of Municipalities and Agriculture Affairs representative (2007-2008)

National Coordinator for Development of Sustainable Date Palm Production Systems in the GCC Project, GCC General Secretariat and International Center for Agricultural Research in the Dry Areas (ICARDA) (2006-2014)

National Coordinator for the Arabian Peninsula Regional Program (APRP) - International Center for Agricultural Research in the Dry Areas (ICARDA) (2005-2014)

National Coordinator for the Red Palm Weevil Project - Arab Organization of Agriculture Development (2006-2007)

Committee Member for Genetically Modified Agricultural Products Workshop, Ministry of Municipality Affairs and Agriculture (2005)

## **INTERNATIONAL**

Member of the Jury Panel for Ford Motor Company Conservation and Environmental Grants (2007 - 2010)

Member of Informal Working Group on Phytosanitary Capacity Evaluation –Commission on Phytosanitary Measures, Food and Agriculture Organization (FAO) (2006-2008 )

## RESEARCH EXPERIENCE

- 2008-2014** Conducting faunal survey of insects and mites associated with date palm in Kingdom of Bahrain. Ministry of Municipalities and Urban Planning Affairs
- 2005-2014** Conducting biological and ecological studies on red palm weevil in Kingdom of Bahrain. Ministry of Municipalities and Urban Planning Affairs
- 1991-2002** Conducted field studies on alfalfa weevil and its associate parasites in alfalfa hay. Also, conducted laboratory studies on alfalfa weevil-parasitoid relationship (i.e., developed an immunological assay for detecting parasitized host in the field, studied the ovipositional behavior of the parasitoid and the impact of the parasitoid on host reproduction, applied mathematical models to detect host discrimination).  
University of Wisconsin-Madison, Madison, Wisconsin
- 1999-2000** Collaborated in an olfactory studies on *Microctonus aethiopoidea* a parasitoid of adult alfalfa weevils.  
University of Wisconsin-Madison, Madison, Wisconsin
- 1997** Collaborated in a greenhouse study on the performance of two biotypes of pea aphid, green and pink on resistant alfalfa cultivars.  
University of Wisconsin-Madison, Madison, Wisconsin
- 1995-1996** Conducted rearing techniques for improving and maximizing parasitoid production for the biological control program of the clover root curculio a root feeding insect pest of the alfalfa plant.  
University of Wisconsin-Madison, Madison, Wisconsin

## RESEARCH INTERESTS

Focused on:

- Insects pests of date palm and fruit trees
- Management of invasive and exotic insects
- Molecular characterization of microorganisms
- Development of diagnostic tools for agricultural pests
- Development of molecular methods for detecting insect endoparasitoids
- Protected agriculture pest management

## RESEARCH GRANTS AWARDED

### PEST MANAGEMENT (\$200,000.00)

**2008-2012** Faunal Survey of Insects and Mites Associated with Date Palm in Kingdom of Bahrain. AbdulAziz M.A. Mohamed, Ali. A. Alosfor and Isa A. Ghanim - Development of Sustainable Date Palm Production Systems in the Gulf Cooperation Council (GCC) Countries Project, GCC General Secretariat and International Center for Agricultural Research in the Dry Areas (ICARDA)

### CROP MANAGEMENT (\$65,000.00)

**2011-2012** Effect of Irrigation with Treated Sewage Effluent on Some Properties of Date Palm (cv. Khunaizi) in Kingdom of Bahrain. Ahmed A. Alsafi, Sadiq I. Mansour and AbdulAziz M.A. Mohamed - Development of Sustainable Date Palm Production Systems in the GCC Countries Project, GCC General Secretariat and ICARDA

**2008-2009** Effect of Chemical and Organic Fertilization on Date Palm Growth and Yields. Ahmed A. Alsafi, Sadiq I. Mansour and AbdulAziz M.A. Mohamed - Development of Sustainable Date Palm Production Systems in the GCC Countries Project, GCC General Secretariat and ICARDA

**2008** The Effect of Liquid Pollination on Quantity and Quality of Date Palm Fruits. Sadiq I. Mansour, Ahmed A. Alsafi, AbdulAziz M.A. Mohamed - Development of Sustainable Date Palm Production Systems in the GCC Countries Project, GCC General Secretariat and ICARDA

## PUBLICATIONS

### RESEARCH PUBLICATIONS (Peer-Reviewed)

Ghanim, I.A., **A.M. AbdulKareem**, A.A. Salih, and A. Al Ajmi. 2013. The effect of using tertiary sewage water in irrigation on cadmium (Cd) and lead (Pb) content in alfalfa crop and insects living on it. Arab Gulf Journal of Scientific Research. 31 (4): 269-275. (In Arabic)

**Mohamed, A.M.A.** 2010. Red palm weevil, *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae), lessons learned and opportunities to improve the eradication and management systems of the pest. International Symposium on Palm Lives and Civilization, Isa Cultural Center, Kingdom of Bahrain. pg. 193-207 (In Arabic)

- Mohamed, A.M.A.** and D.B. Hogg. 2006. *Microctonus aethiopoidea* Loan (Hymenoptera: Braconidae), fecundity and longevity of an endoparasitoid attacking *Hypera postica* (Gyllenhal) (Coleoptera: Curculionidae). Arab Gulf Journal of Scientific Research. 24 (2):41-47
- Steele, E.C., **A.M.A. Mohamed**, and D.B. Hogg. 2006. Olfactory Responses of *Microctonus aethiopoidea* Loan, an Adult Parasitoid of the Alfalfa Weevil, *Hypera postica* (Gyllenhal): A Matter of Host Location. Arab Gulf Journal of Scientific Research. 24 (1): 35-40
- Mohamed, A.M.A.** and D.B. Hogg. 2004. The attachment and stylostome of *Trombidium newelli* Welbourn and Flessel (Acari: Trombidiidae), an ectoparasitic mite on adult of alfalfa weevil, *Hypera postica* (Gyllenhal) (Coleoptera: Curculionidae). Experimental and Applied Acarology. 34 (3): 323-333
- Mohamed, A.M.A.**, D.B. Hogg, Y.C. Park, and W.G. Goodman. 2003. An immunoassay method for detecting *Microctonus aethiopoidea* (Hymenoptera: Braconidae: Euphorinae) parasitism in the alfalfa weevil, *Hypera postica* (Coleoptera: Curculionidae). Biocontrol Science and Technology. 13 (6): 631-640

### BOOK CHAPTER(S)

- Almansoori, T.A., M.A. Al-Khalifa, and **A.M.A. Mohamed**. 2015. Date palm status and perspective in the Kingdom of Bahrain. Pp. 353-386. In J.M. Al-Khayri, S.M. Jain and D.V. Johnson (eds.), Date Palm Genetic Resources and Utilization: Volume 2: Asia and Europe, DOI 10.1007/978-94-017-9707-8\_11. Springer, The Netherland.

### RESEARCH PUBLICATIONS (IN PREPARATION)

- Alosfor, A.A., **A.M.A Mohamed**, A.A. Salih, and A. Al Ajmi. 2015. Spatial distribution of red palm weevil, *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae), in date palm plantations- Kingdom of Bahrain.

### ABSTRACTS

- Mohamed, AbdulAziz M.A.** 2013. Decision making procedures for red palm weevil management in the Kingdom of Bahrain. International Conference on Research and Management Strategies for the Red Palm Weevil, King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia

**Mohamed**, AbdulAziz M.A. 2012. Surveillance and control project of red palm weevil, *Rhynchophorus ferrugineus* in Kingdom of Bahrain. Workshop and International Training program on Red Palm Weevil Management, Chair of Date Palm Research, Plant Protection Department, College of Food and Agriculture Sciences, King Saud University, Riyadh, Saudi Arabia.

## TECHNICAL REPORT(S)

**Mohamed**, AbdulAziz M.A. 2012. Report on Red Palm Weevil Surveillance and Control Program in Kingdom of Bahrain. (In Arabic)

## WORKSHOP PRESENTER

- 2013** “Survey Techniques for Insect Pests of Date Palm and Their Natural Enemies,” Workshop on Surveillance Methods of Date Palm Pests. Ministry of Environment and Water, United Arab Emirates and International Center for Agricultural Research in the Dry Areas (ICARDA)
- 2012** “Surveillance and Control Project of Red Palm Weevil, *Rhynchophorus ferrugineus* in Kingdom of Bahrain,” Workshop and International Training program on Red Palm Weevil Management, Chair of Date Palm Research, Plant Protection Department, College of Food and Agriculture Sciences, King Saud University, Riyadh, Saudi Arabia
- 2009** “Surveillance Methods of Date Palm Pests,” Workshop on Date Palm Integrated Pest Management, Ministry of Municipalities and Agriculture Affairs, Kingdom of Bahrain and International Center for Agricultural Research in the Dry Areas (ICARDA)
- “Biological Control (Predators, Parasitoids, and Entomopathogens),” Ministry of Municipalities and Agriculture Affairs, Kingdom of Bahrain and International Center for Agricultural Research in the Dry Areas (ICARDA)
- 2008** “Red Palm Weevil an Example of an Invasive Species,” Agriculture Affairs, Ministry of Municipality and Agriculture Affairs and The Arab Organization for Agricultural Development, Kingdom of Bahrain



## INVITED LECTURES

- 2015** “Insects Damage and Symptoms- Their Identification a Step Toward Growing Healthy Crops,” Bahrain International Garden Show, Kingdom of Bahrain

## PRESENTATIONS AT PROFESSIONAL MEETINGS (2008-2013)

### ORAL PRESENTATIONS

- 2013** "Decision Making Procedures for Red Palm Weevil Management in Kingdom of Bahrain," International Conference on Research and Management Strategies for the Red Palm Weevil. King Abdullah University of Science and Technology, Kingdom of Saudi Arabia
- 2010** “Challenges Facing the Sustainable Development of Agriculture in Kingdom of Bahrain,” Bahrain Agriculture Engineer Society Forum, Kingdom of Bahrain (Arabic)
- 2009** “Red Palm Weevil, *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae), Lessons Learned and Opportunities to Improve the Eradication and Management Systems of the Pest,” International Symposium on Palm Lives and Civilization, Isa Cultural Center, Kingdom of Bahrain (Arabic)
- 2008** “Faunal Survey of Insects and Mites Associated with Date Palm in Kingdom of Bahrain,” 4<sup>th</sup> Technical Coordination and Steering Committee Meeting of Development of Sustainable Date Palm Production Systems in the GCC Project

## MANAGEMENT WORKSHOPEs

- 2008** “Concepts and Modern Applications of Management” JAFCO and Agriculture Affairs, Ministry of Municipalities and Agriculture Affairs, Kingdom of Bahrain
- 2007** “Seven Habits of Influential and Successful Individuals” Gulf World Consulted Coordination and Agriculture Affairs, Ministry of Municipalities and Agriculture Affairs, Kingdom of Bahrain
- “The Seven Pillars of the An Effective Director”, Municipal Centre for Training Bahrain Chamber of Commerce and Industry and Ministry of Municipalities and Agriculture Affairs, Kingdom of Bahrain

## SHORT COURSES, WORKSHOPS, MEETINGS, AND CONFERENCES

- 2014** The Arab League Economic and Social Council Meetings on the Implementation of the Sudanese President's Initiative for Achieving the Arab Food Security, Khartoum, Sudan (Kingdom of Bahrain Representative)
- 2013** Workshop on Establishment of Commercial Standards for Dates, Ministry of Agriculture, Kingdom of Saudi Arabia and the FAO office, Al-Hassa, Kingdom of Saudi Arabia.
- International Date Council Meeting. Ministry of Agriculture. Riyadh, Kingdom of Saudi Arabia (Kingdom of Bahrain Representative)
- Sub-Regional Consultative Workshop on Investing in Food and Nutrition Security in the GCC and Yemen. Sub-Regional FAO Office of United Nation in United Arab Emirates and the Ministry of Agriculture in the Kingdom of Saudi Arabia, Riyadh, Kingdom of Saudi Arabia
- Annual Regional Workshop of the International Plant Protection Convention (IPPC), FAO Regional Office for the Near East, the Secretariat of the International Plant Protection Convention (IPPC) and the Near East Plant Protection Organization (NEPPO), Agadir, Morocco
- 2<sup>nd</sup> Arab-African Ministerial Meeting on Agricultural Development and Food Security, League of Arab States, African Union, and the Ministry of Agriculture, Kingdom of Saudi Arabia, Riyadh, Kingdom of Saudi Arabia (Member of Kingdom of Bahrain Delegation)
- 2<sup>nd</sup> Arab-African High Level Official Meeting on Agricultural Development and Food Security, League of Arab States, African Union, and the Ministry of Agriculture, Kingdom of Saudi Arabia, Riyadh, Kingdom of Saudi Arabia (Kingdom of Bahrain Representative)
- 2012** "Agriculture and Environmental Biotechnology Applications in Gulf Cooperation Council Countries," Ministry of Environment, Doha, State of Qatar.
- 2011** The Twenty Seventh Session of the Standing Committee for Economic and Commercial Cooperation of the Organization of Islamic Cooperation (COMCEC), Istanbul, Turkey (Member of Kingdom of Bahrain Delegation)
- "Workshop on Treated Sewage Effluent and its Utilization in the Kingdom of Bahrain," Ministry of Municipalities Affairs and Urban Planning, Manama, Kingdom of Bahrain

- 2011** “Facilitating Trade Exchange in Irradiated Food between Arab Countries,” Arab Atomic Energy Agency and Egyptian Atomic Energy Authority, Cairo, Egypt.
- “Codex Committee on Pesticide Residues Forty-Three Session,” Beijing China
- 2010** “The Red Palm Weevil: The Challenge,” SABIC, Riyadh, Kingdom of Saudi Arabia
- "Fourth International Date Palm Conference," Abu Dhabi, United Arab Emirates
- 2009** “FAO Conference Thirty-Sixth Session,” FAO, Rome, Italy, (Member of Kingdom of Bahrain Delegation)
- “World Summit on Food Security,” FAO, Rome, Italy, (Member of Kingdom of Bahrain Delegation)
- “Fourth International Conference on Intellectual Property Rights in Agriculture,” The Technical Consultancy Center, Amman, Jordan
- “First Conference on the Development of Agricultural Research in the Arab World,” The Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD), Damascus, Syria
- 2007** “Risk Assessments for Insect Pests and Ways of Tracking Their Activities” American Agriculture Trade Office, Dubai, United Arab Emirates and Ministry of Agriculture and Fisheries, Muscat, Sultanate of Oman
- 2006** International Plant Protection Convention (IPPC) First Session, Rome, Italy, (Head Kingdom of Bahrain Delegation)
- "Third International Date Palm Conference," Abu Dhabi, United Arab Emirates
- 2006** “The Use of Genetic Engineering and Biotechnology in Agriculture Research,” Ministry of Municipal Affairs and Agriculture, Doha, State of Qatar
- “Biosaline Agriculture Workshop,” Ministry of Municipalities and Agriculture Affairs and International Center for Biosaline Agriculture (ICBA), Manama, Kingdom of Bahrain
- 2006** “Molecular Markers for Fingerprinting of Date Palm Training Course,” International Center for Agriculture Research in the Dry Areas (ICARDA), Muscat, Sultanate of Oman

## **SOCIETY MEMBERSHIPS**

Entomological Society of America  
International Organization for Biological Control  
Arab Society for Plant Protection