

CURRICULUM VITAE



Khalid A. Alhudaib
Professor in Plant Protection
Plant Protection Science program
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RESAERCH INTERESTING:

My research focuses on studies of plant protection, and identification and characterization of plant diseases and pest, using molecular and biotechnology technique.

EDUCATION

August, 2006

Rothamsted Research and The University of Nottingham UK Doctor of Philosophy, School of Biosciences, Plant Sciences, The University of Nottingham UK

June, 1997

King Faisal University Master of Science in Plant Protection College of Agriculture & Food Sciences. Alhasa Saudi Arabia

July, 1989

King Faisal University Bachelor of Science in Plant Protection, Dept. of Plant Protection, College of Agriculture & Food Sciences. Hofuf, Alhasa Saudi Arabia

TECHNIQUES AND SKILLS:

- Molecular biology: gene and recombinant DNA cloning, genomic PCR, RT-PCR, cloning full length genes by PCR, sub cloning to expression vectors. DNA and RNA isolation from samples.
- Established extraction DNA and nPCR protocol for cloning of difficult date palm.
- Analyzed clones using MEGA 7 software and alignment programs to confirm successful cloning and sequences, also use GeneDoc, BioEdit and pDEAW programs to manipulate the sequences.
- Submission more than 300 sequences in GenBank National Center for Biotechnology Information (NCBI)
- Established biotechnology, bioimage and ELISA laboratories in college.
- Trained employees, graduate and undergraduate students and agriculture engineer from Ministry of Agriculture to identification and characterization of plant diseases on open filed and Lab using molecular biology techniques.
- Experienced in matrix-managed work teams.
- Assisted colleagues as needed for any group projects
- Established Pests and Plant Diseases Unit since 2008 (5 lab in one Unit)

PROFESSIONAL EXPERIENCE

2019 to Present

Professor, Plant Protection Program, Department of Arid Land Agriculture, College of Agric. & Food Sciences, King Faisal University, Hofuf, Alhasa Saudi Arabia.

September 2012 to Present

Chairman of Pests and Plant Diseases Unit. King Faisal University, Alhasa, Saudi Arabia. www.ppdunit.net

February 2012 to 2015

Member of Scientific Authority of Sheikh Ali bin Mohammed Aljomalah Chair for Sustainable Development in Agricultural Communities. University of Hail

September 2012 to 2014

Chairman of red palm weevil chair. Date Palm Centre, King Faisal University, Hofuf, Alhasa Saudi Arabia.

September 2011 to 2013

Dean of Research and Consulting institute, King Faisal University, Hofuf, Alhasa, Saudi Arabia.

May 2010 to 2011

Dean of Library Affairs, King Faisal University, Hofuf, Alhasa, Saudi Arabia

November 2008 to 2010

Vice Dean, Deanship of Scientific Research, King Faisal University, Hofuf, Alhasa, Saudi Arabia.

2008 to 2009

Chairman of Computer committee. College of Agric. & Food Sciences, King Faisal University, Hofuf, Alhasa, Saudi Arabia.

2012 to 2019

Associate professor, Plant Protection Program, Department of Arid Land Agriculture, College of Agric. & Food Sciences, King Faisal University, Hofuf, Alhasa Saudi Arabia.

2006 to 2012

Assistant professor, Plant Protection Program, Department of Arid Land Agriculture, College of Agric. & Food Sciences, King Faisal University, Hofuf, Alhasa Saudi Arabia.

April, 2002-2006

Graduate student (Ph.D. Candidate) School of Biosciences, Plant Sciences, the University of Nottingham UK

June, 1997-1998

Lecturer in Plant Protection, Dept. Plant Protection, College of Agric. & Food Sciences, King Faisal University, Hofuf, Alhasa Saudi Arabia.

Feb. 1990 - Jan. 1995

Teaching Assistant of Plant Pathology , Dept. of Plant Protection, College of Agric. & Food Sciences, King Faisal University, Hofuf, Alhasa Saudi Arabia.

HONOUR AND AWARDS

Faculty Award 2019, First Place in Community Engagement at King Faisal University 2019

Faculty Award 2016, Best faculty member (Fourth place) at King Faisal University 2016

Honour Award 1997, King Faisal University 1997

Graduate Student Award 1996, Best research in Symposium, King Saud University, Saudi Arabia

Prince Mohamed Bin Fahad Al-Saud Award of education in Science 1996, Saudi Arabia.

TRAINING COURSES

March 2018

Training GLOBALG.A.P. Capacity Building & Farm Assurer Workshop Fruit & Vegetables to be held on 6-8 March 2018 in, GLOBALG.A.P. Organization, Cologne/Germany.

October 2016

Training of Trainers (TOT) at Professional Level. Next Generation for Training and Consultation, in King Faisal University

August 2015

Workshop: Virus and phytoplasma diseases of forest and urban trees. Humboldt University, Berlin, Germany

July 2015

Workshop: Advanced Technology for Phytoplasma Research and hands-on training on phytoplasma detection and identification methods. Sporometrics Inc. and the University of Toronto. Toronto, Canada

August 2012

Training course on Biosafety: An International Course in Environmental Aspects of Agricultural Biotechnology, at Michigan State University. USA

July 2010

Training course on Community Engagement, The Office of University Outreach and Engagement, at Michigan State University. USA

October 26-30 2008

Training Course on Diagnoses of plant pathology (Bacteria, Fungi and Virus) using Biotechnology. Arab Council for Graduate Studies and Scientific Research, Egypt.

July -August 2008

Post-doctoral Summer Research Programme at Rothamsted Research, BBSRC, UK. Funded by BAe Systems and administered by the British Council, UK.

February 18 - 20, 2008

Improving my Communication as a Teacher. Communication Skills. Communication Skills workshop, Deanship of Development of University Education. Unit of Professional Development within the Development Project Creativity and Excellence of Faculty Members in Saudi Universities. Deanship of Development of University Education, King Faisal University, Hofuf, Alhasa, Saudi Arabia. King Faisal University. Hofuf, Alhasa, Saudi Arabia

February 23 - 24, 2008

Teaching Strategies for Students of the University, Deanship of Development of University Education. Unit of Professional Development within the Development Project Creativity and Excellence of Faculty Members in Saudi

Universities. Deanship of Development of University Education, King Faisal University, Hofuf, Alhasa, Saudi Arabia.

June -August 2007

Post-doctoral Summer Research Programme at Rothamsted Research, BBSRC, UK. Funded by BAe Systems and administered by the British Council, UK.

April 2002-2006

Working as PhD candidate at Rothamsted Research, BBSRC, Harpenden, UK

Dec. 14 - 25 1996

Training Course on Red Palm Weevil, Ministry of Agriculture, Alhasa, Saudi Arabia.

July 8 - 22 1996

Training on Purification and Detection Viruses, The International Centre for Agricultural Research in the Dry Areas (ICARDA), Aleppo, Syria.

RESEARCH ACTIVITIES

January, 2014 to 2017:

Principal investigator for a research project supported by King Abdulaziz City for Science and Technology entitled "Development of the Diagnostic tools for Potato Viruses in Saudi Arabia". Proj. No. AT-32-95

February, 2014 to Present:

Co- investigator for a research project supported by King Faisal University entitled "Impact of Spatial Variabilities in Soil Fertility on Nutritional Status of Date Palm Trees and Their Susceptibility to Alwijam Disease Infection at Alhasa Oasis" Proj. No. 150001.

March, 2014 to 2016:

Co- investigator for a research project supported by King Faisal University entitled "Interactions between the Red palm weevil (*Rhynchophorus ferrugineus*) and its host the date palm (*Phoenix dactylifera*): a Metabolomic study" Proj. No. 160068.

March, 2014 to 2016:

Co- investigator for a research project supported by King Faisal University entitled "Molecular cloning of chitinase gene from the red palm weevil *Rhynchophorus ferrugineus*. Proj. No. 14785.

February, 2013 to 2014:

Co- investigator for a research project supported by King Faisal University entitled "Tomato Borer, *Tuta absoluta*, and the parasitoid, *Trichogramma* spp., distribution, morphological and molecular diagnosis in Saudi Arabia" Proj. No. 140119.

February, 2013 to 2014:

Co- investigator for a research project supported by King Faisal University entitled “DNA barcode identification of the two newly characterized Saudi chicken lines compared to commercial layer using mtDN” Proj. No. 140115.

January 2012 to 2013:

Principal investigator for a research project supported by King Faisal University entitled “Molecular Biodiversity of Tomato Yellow Leaf Curl-Like Viruses in Saudi Arabia” Proj. No. 130002

January 2012 to 2013:

Co- investigator for a research project supported by King Faisal University entitled “Production of Diagnostic kit for Cucurbit yellow stunting disorder virus (CYSDV) through Coat protein gene Expression ”Proj. No. 130282

February, 2012 to 2013:

Co- investigator for a research project supported by King Faisal University entitled “Development of the Sensitive Methods for the Detection of Potato Viruses in Saudi Arabia” Proj. No. 13281.

July 2011 to 2012:

Principal investigator for a research project supported by Saudi Aramco-KFU red palm weevil research project at the Date Palm Research Centre (Centre of Excellence), King Faisal University, Alhasa, Saudi Arabia) entitled “Genetic Diversity Among Red Palm Weevil, *Rhynchophorus ferrugineus*, (Coleoptera: Curculionidae) Population of Saudi Arabia and India”

January 2011 to 2014:

Principal investigator for a research project supported by King Abdulaziz City for Science and Technology entitled “RNA-mediated protection against new threatening cucurbit-infecting whitefly-transmitted viruses in Saudi Arabia”. Proj. No. 10-Bio 1096-06

November, 2009 to 2013:

Principal investigator for a research project supported by King Abdulaziz City for Science and Technology entitled “Phytoplasma disease in Date Palm in Saudi Arabia”. Proj. No. AT-28-111.

February, 2011 to 2012:

Co- investigator for a research project supported by King Faisal University entitled “Using molecular tools to analyze the whitefly Species and Biotypes in Saudi Arabia” Proj. No. 120065.

February, 2010 to 2011:

Principal investigator for a research project supported by King Faisal University entitled “Identification Fusarium wilt in some crops using biotechnology” Proj. No. 110001.

February, 2010 to 2011:

Co- investigator for a research project supported by King Faisal University entitled "Development a new molecular tool for detecting Alwijam in Saudi Arabia" Proj. No. 110093.

March, 2008 to 2010:

Principal investigator for a research project supported by King Faisal University entitled "Identification and characterization of phytoplasma and virus pathogens associated with alfalfa diseases in Eastern province, Saudi Arabia" Proj. No. 90021.

MANUSCRIPT REVIEW FOR PUBLICATION

9 Manuscript for Fourth IPWG Meeting conference, Spain 2019.

8 Manuscript for Third IPWG Meeting conference, Mauritius 2015.

1 Manuscript for Agricultural Sciences, Sultan Qaboos University Journal for Scientific Research, Muscat, Sultanate of Oman.

1 Manuscript for Indian Journal of Plant Protection. National Bureau of Plant Genetic Resources, Regional Station Rajendranagar, Hyderabad, Andhra Pradesh, India

JOURNAL EDITORIAL

Journal Editorial Board in Phytopathogenic Mollicutes "International Journal on Phytoplasma, Spiroplasma and other Phloem-limited Plant Pathogens" ISSN 2249-4669 (2014-2015)

BOOK

Write chapter in book titled "Sustainable Pest Management in Date Palm: Current Status and Emerging Challenges". Chapter 10 titled "Phytoplasmas and their Insect Vectors: Implications for Date Palm" 2016
www.springer.com/us/book/9783319243955

Translated book titled "Phytoplasma Methods and Protocols" 2013, Humana Press. 421p. Under preparation.

CORPORATION WITH ANOTHER LAB

Ministry of Agriculture - Saudi Arabia
Date Palm Genome Project KACST- Saudi Arabia
King Saud University - Saudi Arabia
University of Nottingham - UK
Rothamsted Research - UK
Michigan State University – USA
University of Arizona - USA

SECTION CONFERENCE AND SYMPOSIA ORGANIZERS

2018 ESA, ESC, and ESBC Joint Annual Meeting, November 11-14, Vancouver, BC, Canada. 376: P-IE Section Symposium: Rhynchophorus Weevil: A Global Threat Beyond Borders.

Symposium Organizers: Aziz Ajlan, **Khalid Alhudaib**, Abdulaziz Mohamed, J. R. Faleiro, Shoki Al-Dobai, Muhammad Haseeb, Study Group “Integrated Protection of Date Palms” (SG IPDP).

esa.confex.com/esa/2018/meetingapp.cgi/Session/32110

2016 XXV International Congress of Entomology (ICE 2016), September 25-30 Orlando, Florida, USA. Symposium: No More Invasive Insect Species: Is Quarantine the Answer?

Symposium Organizers: Aziz Ajlan, **Khalid Alhudaib**, and J. R. Faleiro

<http://ice2016orlando.org/>

2015 The 19th Congress of the Entomological Society of Southern Africa and the 37th Congress of the Zoological Society of Southern Africa, Rhodes University, Grahamstown, South Africa, 12-17 July 2015.

1) Towards a global Sustainable IPM system for Tuta absoluta. (Convener: Dr. Aziz Ajlan)

Symposium Organizers: Aziz Ajlan, **Khalid Alhudaib**, Jose Romeno Faleiro

2) Managing Rhynchophorus ferrugineus: beyond IPM. (Convener: Dr. Aziz Ajlan)

Symposium Organizers: Aziz Ajlan, **Khalid Alhudaib**, Jose Romeno Faleiro

<http://www.entsocsa.co.za/About.htm>

http://entsoc.org/PDF/2015/2nd_Circular_ESSA_ZSSA.pdf

2015 XVIII International Plant Protection Congress, 24-27 August 2015, Berlin, Germany. **Khalid Alhudaib**

2015 Third Meeting International Phytoplasma Working Group (IPWG), Round table: Fighting emerging palm diseases in Africa and the Americas:

Khalid Alhudaib

2015 Third Meeting International Phytoplasma Working Group (IPWG), January 14-17, 2015 Mauritius. Scientific Committee: **Khalid Alhudaib**

2014 the Xth (10th) European Congress of Entomology (ECE 2014) hosted by the Royal Entomological Society, University of York, York, YO10 5DD, UK, 3-8 August 2014.

Friday, August 8 - **Managing Rhynchophorus ferrugineus: A global Challenge.**

Section Organizers: Aziz Ajlan, **Khalid Alhudaib**, Jose Romeno Faleiro

<http://www.royensoc.co.uk/content/xth-european-congress-entomology-2>

http://www.royensoc.co.uk/meetings/20140803_ece2014_author_and_programme_listing.htm

2014 ESA Annual Meeting, November 15-19, 2014 Portland Oregon, TX, USA. "IPM: An International Organic Farming Strategy on Invasive Insect Species" Organizers: Aziz Ajlan and **Khalid Alhudaib**

2013 Fifth Symposium on Date Palm November 3 - 5, 2013, Date Palm Research Centre of Excellence at King Faisal University, Saudi Arabia, Secretary Committee: **Khalid Alhudaib**

2013 ESA Annual Meeting, November 10-13, 2013 Austin, TX, USA
"The Menace of Palm Weevils: Challenges and Strategies"
Organizers: Aziz Ajlan and **Khalid Alhudaib**

2012 ESA Annual Meeting, November 11-14, 2012, Knoxville, TN, USA
"Red Palm Weevil, *Rhynchophorus ferrugineus*. What's Next?"
Organizers: Aziz Ajlan and **Khalid Alhudaib**

2011 ESA Annual Meeting, November 13-16, 2011, Reno, Nevada, USA.
"Can Entomologists Stop The Threat of Invasive Palm Weevils,
(*Rhynchophorus*) spp.?"
Organizers: Aziz Ajlan and **Khalid Alhudaib**
(<http://esa.confex.com/esa/2011/webprogram/Session14819.html>)

2008 ESA Annual Meeting, November 16-19, 2008, Reno, Nevada, USA.
"The Global Threat of Red Palm Weevil (RPW), *Rhynchophorus ferrugineus*,
(Olivier) To Major Palm Species"
Organizers: Aziz Ajlan and **Khalid Alhudaib**
(<http://esa.confex.com/esa/2008/webprogram/Session7560.html>)

Chairman of Discussion Forum: Fourth Symposium on Date Palms in Saudi Arabia (Challenges of Processing, Marketing and Pests Control), Date Palm Research Centre, King Faisal University, Hofuf, Saudi Arabia. May 5-8, 2007.

ORGANIZED WORKSHOPS

2018 workshop titled "Using Polymerase Chain Reaction " at King Faisal University, Pests and Plant Diseases Unit, 21-22 November 2018. Organized by **Khalid Alhudaib**.

2016 workshop titled "Molecular Characterization of Date Palm Phytoplasma (AlWjam)" at King Faisal University, Pests and Plant Diseases Unit. March 27 to April 7, 2016. Organized by **Khalid Alhudaib**. Special workshops.

2014 workshop titled "Diagnosis Alwijam disease (phytoplasma) on date palm using biotechnology " at King Faisal University, Pests and Plant Diseases Unit, 5-8 May 2014. Organized by **Khalid Alhudaib**.

2010 workshop titled "Diagnosis plant disease using biotechnology " at King Faisal University, Pests and Plant Diseases Unit, 13-15 April 2010. Organized by **Khalid Alhudaib**.

PROFESSIONAL SOCIETIES

Action FA0807 Integrated Management of Phytoplasma Epidemics in Different Crop Systems, scientific European Network
Arab Society for Plant Protection
Saudi Biological Society
Biotechnology and Biological Sciences Research Council (BBSRC)
The American Phytopathological Society
Entomological Society of America
International Society for Horticultural Science

ACADEMIC COURSES TAUGHT

Plant Virology
Plant Bacteriology
Plant Pathology of Greenhouse
Principles of Plant Protection
General Plant Pathology

HIGHER EDUCATION ACTIVITIES

Major Advisor for M.S. Students

- 1) Ahamad Alamier (2016). Study in cucumber virus's diseases. M.S. Thesis. Ministry of Agriculture Saudi Arabia.
- 2) Mohamd Alyami (2017). Genetic Diversity of potato Virus Y strains in Saudi Arabia. M.S. Thesis.
- 3) Myitham Alqatan (2018). Biological control of damping-off and root rot diseases of cucumber in greenhouses. M.S. Thesis. Ministry of Agriculture Saudi Arabia.
- 4) Mostafa Almgaslah (2018). Identification and molecular characterization of begomoviruses infecting some vegetable crops in the Eastern Region of Saudi Arabia. M.S. Thesis.
- 5) Ali Alhmod. (2019). Phytoplasma in Date Palm in Gulf Countries. Ministry of Agriculture Saudi Arabia.

OUTSIDE/INNER EXAMINER FOR THESIS (M.S.)

- 1) Muhammad Umar Zahoor Hussain (2016). "Biological, Serological and Molecular Characterization of Lettuce Big-Vein Associated Virus and Mirafiori Lettuce Big-Vein Virus Infecting Lettuce (*Lactuca sativa* L.) in Oyaynah, Riyadh Region, Saudi Arabia". M.S. Thesis. College of Food and Agriculture Sciences, King Saudi University, Riyadh, Saudi Arabia.
- 2) Omar H. Al-Qahtani (2019). "Diagnosis and control of some fungal diseases on basil plants in nurseries in Eastern Province of Saudi Arabia". M.S. Thesis. College of Agriculture and Food Sciences, King Faisal University, Alhasa, Saudi Arabia.

COMMUNITY SERVICE:

Agriculture Open Day, 2016. Titled "Date Palm Pests and Diseases" done in Alhasa cooperation with Ministry of Agriculture.

Extension Plant Clinic (First). October 2017. At Alhasa, Otham Mall 3 days.

Extension Plant Clinic (Second). February 2018. At Alhasa, Otham Mall 2 days.

Extension Plant Clinic (Third). March 2018. Alkhrij, Alhdathi Mall, 3 days.

Extension Plant Clinic (Fourth). April 2019. Dammam, Otham Mall, 3 days.

Agriculture Open Day, 24 April 2019. Titled "Longhorn date palm stem borer" done in Alhasa cooperation with Ministry of Agriculture.

PUBLICATIONS

Soliman, A.M., **K.A. Alhudaib**, A.A. Rezk, H.S. El-Beltagi, S.M. El-Ganainy. (2019). Production of polyclonal antibodies to some potato viruses using synthetic peptides. *Fresenius Environmental Bulletin* (In Press).

Rezk, A. A., Sattar, M. N., **Alhudaib, K. A.**, & Soliman, A. M. (2019). Identification of watermelon chlorotic stunt virus from watermelon and zucchini in Saudi Arabia. *Canadian Journal of Plant Pathology*, (Accepted).

Alhudaib, Khalid. 2018. Serological and Molecular Detection of Alfalfa Mosaic Virus in the Major Potato Growing Areas of Saudi Arabia. *Scientific Journal of King Faisal University*, 20 (1): 31-40

Alhudaib, Khalid. 2018. Epidemiology of potato viruses in the major growing areas in Saudi Arabia. *Arabic Journal of Plant Protection*. 36 (2): 114-122.

- Alhudaib, Khalid.** 2018. Molecular detection of Begomoviruses infecting vegetable crops in Saudi Arabia. Journal of King Abdulaziz University: Meteorology, Environment and Land Agriculture Sciences. 28 (1): 33-40.
- Babiker M., Hamadttu A. **Khalid Alhudaib**, Wael S. and Mohammed R. 2018. Molecular characterization and tissue expression analysis of five genes for chitinase in the red palm weevil, *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae). African Journal of Biotechnology, 17 (13): 447-457.
- Alhudaib, Khalid.** 2018. Molecular identification of Begomoviruses infecting okra in eastern province of Saudi Arabia. Indian Journal of Plant Protection. 45:3.
- Alhudaib, Khalid**, Adel Rezk and Ahmed Soliman. 2018. Current Status of Watermelon Chlorotic Stunt Virus (WmCSV) on Some Cucurbit Plants (Cucurbitaceae) in Alahsa Region of Saudi Arabia. Scientific Journal of King Faisal Univ. 19 (2): 37-45.
- Ahmed Soliman, Adel Rezk and **Khalid Alhudaib**. 2018. Cucurbit yellow stunting disorder virus and watermelon chlorotic stunt virus induced gene silencing in tobacco plants. African Journal of Biotechnology. Vol. 17(7), pp. 189-197.
- Alhudaib, Khalid**, Aziz Ajlan and J.R. Faleiro. 2017. Phylogenetic relationship between *Rhynchophorus ferrugineus* (Olivier) population from India and Saudi Arabia. Scientific Journal of King Faisal University, 1: 35-42.
- Alhudaib K**, Adel R and Mohamad A. 2017. Identification of two phytoplasma groups in Alwijam-affected date palms and their possible alternative hosts in Saudi Arabia. Arab Journal Biotechnology. 20: 51-62
- Rezk, A. **Khalid A.** 2017. Genetic diversity of tomato yellow leaf curl- like viruses in Saudi Arabia. Journal of Plant Sciences. 12:5-16.
- Ahmed, A. **K. Alhudaib** and A. Soliman. 2016. Genetic diversity of Hajar1 and Hajar2 local Saudi chicken lines using mitochondrial DNA D-loop markers. South African Journal of Animal Science. 46:409-418.
- Rezk A. **Khalid Alhudaib** and Soliman A. 2015. Characterization of cucurbit yellow stunting disorder virus and development of polyclonal antibodies using recombinant coat protein. Egyptian J. Virol. 12: 93-104
- Alhudaib K.** Adel R, Babiker M, and Ahmed S. 2015. Molecular identification of the biotype of Whitefly (*Bemisia tabaci*) inhabiting the Eastern region of Saudi Arabia. Journal of Biological Sciences. 14: 494-500
- An Yin, Linlin Pan, Xiaowei Zhang, Lei Wang **Khalid Alhudaib** more. 2015. A transcriptomic study of the red palm weevil *Rhynchophorus ferrugineus* embryogenesis. Insect Science. 22. 65-82.
- Mahmoud Abo-El-Saad, **Khalid Alhudaib** and Abdulaziz Al Ajlan. 2014.

Comparative Toxicity of Selected Insecticides to Phytoplasma Transmitted Leafhopper *Cicadulina bipunctata* (Melichar). *Journal of Agricultural Science and Technology*. 4: 514-520

Alhudaib K. W alaraby and Adel Rezk. 2014. Molecular characterization of Tomato Yellow Leaf Curl Disease Associated Viruses in Saudi Arabia. *International Journal of Virology* 10 (3): 180-191.

Al-Saikhan, M., **Khalid Alhudaib** and A. Soliman, 2014. Detection of Three Potato Viruses Isolated from Saudi Arabia. *International Journal of Virology*, 10: 224-234

Alhudaib K. and Adel Rezk. 2014. Molecular characterization of phytoplasma-associated disease in tomato (*Lycopersicon esculentum*) in Saudi Arabia. *International Journal of Virology* 10 (3): 192-203.

Alhudaib K. 2013. Genomic study of tomato borer, *Tuta absoluta*, a newly invasive pest in Saudi Arabia. *Arabic Journal of Plant Protection*. 31:1-8

Abbas M. Al-Azab, Khalid M. Al-ghamdi, **Khalid Alhudaib** more. 2013. Morphological and Molecular Identification of Dengue Fever Vector *Aedes aegypti* (Diptera: Culicidae) in Jeddah Governorate-Saudi Arabia. *Journal of Pure and Applied Microbiology*; 7(2):1391-1400.

Alhudaib K. 2012. Least-cost new method to diagnose Date Palm Phytoplasma in Alhasa Oasis in Saudi Arabia . *Journal of Agricultural Scientific*, Damascus University. In press

Alhudaib K. and Adel Rezk. 2011. First report of a phytoplasma associated with a witches' broom disease in tomato in Alhasa, Saudi Arabia. *Plant Pathology New Disease Report* 24, 20. [<http://dx.doi.org/10.5197/j.2044-0588.2011.024.020>]

Alhudaib K. and Adel Rezk. 2011. *Prunus necrotic ringspot virus* in apricot (*Prunus armeniaca*) and peach (*P. persica*) newly reported in Saudi Arabia. *New Disease Report* 23, 26. [<http://dx.doi.org/10.5197/j.2044-0588.2011.023.026>]

Alhudaib K. 2010. Incidence of fig mottle-associated virus and fig mosaic virus in Eastern province of Saudi Arabia. *Egyptian Journal of Virology*. 7: 167-174

Alhudaib K. 2009. Detection and Characterization of Phytoplasma Pathogen in Alfalfa and in its potential vector in Saudi Arabia. *Indian Journal of Plant Protection*. 37 (1) 97-100.

Alhudaib K., Y. Arocha, M. Wilson, P. Jones. 2009. Molecular identification, potential vectors and alternative hosts of the phytoplasma associated with a lime decline disease in Saudi Arabia. *Crop Protection*, 28 (1): 13-18.

Alhudaib K., Arocha Y, Wilson M, Jones P. 2007. Identification and molecular

characterization of a phytoplasma associated with Al-Wijam disease of date palm in Saudi Arabia. *Arabic Journal of Plant Protection* 25 (1) 2007.

Alhudaib K, Arocha Y, Wilson M, Jones P. 2007. Al-Wijam a new phytoplasma diseases of date palm in Saudi Arabia. *Bulletin of Insectology* 60 (2): 285-286

Alhudaib K, Arocha Y, Wilson M, Jones P. 2007. First report of a 16SrI, *Candidatus* Phytoplasma asteris group phytoplasma associated with a date palm disease in Saudi Arabia. *Plant Pathology New Disease Report* 15, 12 .

Kanyuka K, McGrann G, **Alhudaib K**. 2004. Biological and sequence analysis of a novel European isolate of Barley mild mosaic virus that overcomes the barley rym5 resistance gene. *ARCH VIROL* 149 (8): 1469-1480.

Alhudaib, K. A. and Elmazaty, M. A. 1997. Purification and serology of zucchini yellow mosaic potyvirus and its detection in cucurbits by the tissue-blot immunoassay (TBIA). *Journal of King Saud University*. p5.

PAPER PRESENTATIONS

Alhudaib, Khalid and Shrif Algnayni. (2019). Study of pathogenic and beneficial fungal species in hydroponic cultivation. 8th International Conference on Water Resources and Arid Environments. King Saud University, Riyadh. 22-24 January 2019.

Alhudaib, Khalid. (2018). Implementation of Bio-Indicators to Measure Soil Health. Environmental Campaign, Udhailiyah Saudi Aramco. 17-18 December 2018.

Alhudaib, Khalid. (2018). The most deadfull diseases threatening Date Palm in Saudi. Thirty-seven Saudi Agricultural Exhibition Riyadh. Saudi Arabia. 7-10 October, 2018.

Alhudaib, Khalid, (2016). Screening of resistance genes against Bayoud disease in some date palm cultivars in Saudi Arabia. The 2ed International Conference for Date Palm. Qassim University. 10-12 October, Saudi Arabia

Alhudaib, Khalid, (2016). The most dead full diseases threatening our Date Palm. The 35th International Trade Exhibition for Agriculture, Riyadh. 2-5 October. Saudi Arabia

Alhudaib, Khalid, (2015). Phytoplasma disease in Date Palm in Saudi Arabia. Third Meeting International Phytoplasma Working Group (IPWG), January 14-17 in Mauritius.

Alhudaib, Khalid, Aziz Ajlan and Adel Sabor. (2013). Molecular biodiversity of Tomato yellow leaf curl disease associated viruses in Saudi Arabia. Annual meeting of American Phytopathology Society, August 10-14, 2013 in Austin, Texas.

- Alhudaib, Khalid**, Aziz Ajlan and J.R. Faleiro. (2011). Phylogenetic relationship between *Rhynchophorus ferrugineus* (Olivier) population from India and Saudi Arabia. Presented at the Annual Meeting of the Entomological Society of America. Reno, Nevada, USA. November 13-16, 2011.
- Ajlan, A., **Khalid Alhudaib** and J. R. Faleiro. (2011). www.redpalmweevil.com. Presented at the Annual Meeting of the Entomological Society of America. Reno, Nevada, USA. November 13-16, 2011.
- Ajlan, A. and **Khalid Alhudaib**. (2010). Two forms of citrus Greening disease and their psyllid vectors in Saudi Arabia. Presented at the potential invasive pests workshop. Miami (Coconut Grove), Florida, USA. October 10-14, 2010.
- Ajlan, A., **Khalid Alhudaib**, J. R. Faleiro and Khaled Al Abdulsalam. (2010). www.redpalmweevil.com – First global portal for the red palm weevil. Presented at the potential invasive pests workshop. Miami (Coconut Grove), Florida, USA. October 10-14, 2010
- Ajlan, Aziz, **Khalid Alhudaib**, J. R. Faleiro and Khaled Al-Abdulsalam. (2010). World Palms are under threat by the red palm weevil, (*Rhynchophorus ferrugineus*). Presented at the 4th International Date Palm Conference. Abu Dhabi, UAE, March 15 – 17, 2010.
- Alhudaib, Khalid**, Abdulaziz Al-Ajlan, Romeno Faleiro and Khaled Al-Abdulsalam. (2009). Red palm weevil in 60 seconds. Presented at the 10th Arab Congress of Plant Protection. Arab Society for Plant Protection and National Council for Scientific Research. Beirut, Lebanon. October 26-30, 2009.
- Ajlan, A., **Khalid Alhudaib**, J. R. Faleiro. (2009). Managing the problem of red palm weevil, *Rhynchophorus ferrugineus*. Presented at the Joint Meeting of the Entomological Society of Canada and the Entomological Society of Winnipeg, Manitoba, Canada. October 18-22, 2009.
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- Al-Ajlan, A., **K. Alhudaib** and K. Al-Abdulsalam 2007. How do you know about the RPW distribution globally in a minute? Presented at the First International Conference Of Date Palm On Integrated Crop Management Of Date Palm and Its Impacts For Producing Clean And Safety Dates. Plant Protection Research Institute and Central Laboratory for Date Palm Research & Development. Egypt. September 2-4, 2007.
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DISPLAY PRESENTATIONS

- Alhudaib, K.,** Almgaslah M. and El-Ganainy S. (2016). Frist report of rhizosis caused by *thielaviopsis punctulata* on date palms in Saudi Arabia. Third International Conference on Biotechnology Applications in Agriculture. Moshtohor and Sharm El-Sheikh. Egypt. April 5-9, 2016
- Alhudaib, K.,** A. Ajlan and A. Rezk. (2011). Genetic study of tomato leaf miner, *Tuta absoluta* (Lepidoptera: Gelechiidae), the newly invasive pest to Saudi Arabia. Presented at the Joint Annual Meeting of the Entomological Society of Canada and the Acadian Entomological Society, Halifax, Nova Scotia, Canada. November 6-9, 2011.
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- Alhudaib, Khalid,** Aziz Ajlan and J. R. Faleiro.(2011). Determination of Geographical Populations of *Rhynchophorus ferrugineus* (Olivier) in Saudi Arabia and India. Presented at the 3rd combined Australian and New Zealand Entomological Societies Conference, Lincoln University, Christchurch. New Zealand, August 28-Sept. 1, 2011.

- Alhudaib K.** and Adel Rezk. (2011). First report of a phytoplasma associated with a witches' broom disease in tomato in Alhasa, Saudi Arabia. Second International Phytoplasma Working Group Meeting *Neustadt/Weinstraße*, Germany 12-16 September 2011
- Alhudaib K.** and Ajlan, A. (2010). Al-Wijam, date palm phytoplasma, and its insect vectors in Saudi Arabia. Presented at the Joint Meeting of the Entomological Society of Canada and the Entomological Society of British Columbia, Vancouver, BC, Canada. October 31-November 3, 2010.
- Alhudaib K.** 2009 "Serological Identification of some Important Viruses on Stone Fruit in Saudi Arabia" the XXIst International Conference on Virus other Graft Transmissible Diseases of Fruit Crops. German, 5-10 July 2009.
- Alhudaib K.** 2009 "Identification and characterization of phytoplasma pathogen associated with alfalfa diseases in Al Hasa, Saudi Arabia" The 17th Australasian Plant Pathology Society Conference, Australasian Plant Pathology Society. 29 September - 1 October 2009
- Alhudaib K.**, Y. Arocha, M. Wilson, P. Jones. 2008. Molecular identification, potential vectors and alternative hosts of the phytoplasma associated with a lime decline disease in Saudi Arabia. Scientific International conference on Plant Health Havana, Cuba.
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ATTENDANCES OF SYMPOSIUMS, WORKSHOPS

FAO Workshop of Near East Regional IPPC. Cairo, Egypt 27-30 October, 2014

ICARDA Workshop in Date Palm Diseases, Dubai UAE, 30 January, 2013

Workshop on Date Palm Diseases & Control. University of Bahrain, College of Science Continuous Scientific Education Program. Bahrain, November 3, 2008.

Scientific Symposium: Dangers of Red Palm Weevil. SABIC, Riyadh, Saudi Arabia. March 25-26, 2008 (17-18 Rabi I 1429 H). Organizers: Saudi Basic Industries Corporation (SABIC), Riyadh, Saudi Arabia & Arab Fertilizer Association, Cairo, Egypt & Arab Organization for Agricultural Development, Khartoum, Sudan

Workshop of red palm weevil (New Techniques and Future). Joint workshop of the King Abdulaziz city for Science and Technology International and the Atomic Energy Agency and the Ministry of Agriculture. Riyadh, Saudi Arabia, April 2 - 3, 2007 (14 - 15 Rabi II 1428 H).

INTERESTS

Playing basketball, travelling and enjoy reading

OTHER ACTIVATES

Owner and web master:

www.ppdunit.net

www.dralhudaib.com

www.redpalmweevil.com

www.redpalmweevilc.org