

## Curriculum Vitae

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**Name:** Amgad A. Saleh  
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**Education:**  
1999-2004 Ph.D. in Plant Pathology KSU, Manhattan, KS, USA  
1995-1997 M.Sc. in Microbiology Cairo University, Cairo, Egypt  
1984-1988 B.Sc. in Botany Alexandria University Alexandria, Egypt

**Employment:**  
Assistant Professor Plant Protection, KSU, SA 3/4/2010 – Present  
Postdoc. Associate Researcher Plant Pathology, KSU, USA 5/23/2004 – 3/3/2010  
Graduate Research Assistant Plant Pathology, KSU, USA 1/3/999 to 5/22/2004  
Assistant Researcher AGERI, ARC, Egypt 8/1/1997 to 1/1/1999  
Research Assistant AGERI, ARC, Egypt 2/1/1990 to 7/31/1997

### **Training Experience:**

Field of Study	Dates	Place
*Scientific Writing	8 <sup>th</sup> -12 <sup>th</sup> May, 1994	Cairo, Egypt
*Agricultural and Environmental Biotechnology	July-August, 1994	Giza, Egypt
*Molecular Strategies for Fusarium/Tomato Infection	October, 1993- April, 1994	UMD, MD, USA
*Fusarium Laboratory Workshop	11 <sup>th</sup> -16 <sup>th</sup> , June, 2000	KSU, KS, USA
*Spotted Microarray workshop	5 <sup>th</sup> -9 <sup>th</sup> , June, 2006	KSU, KS, USA
*Real-Time PCR workshop	2 <sup>nd</sup> -9 <sup>th</sup> , October, 2006	KSU, KS, USA
*Microarray Analysis and Bioinformatics Workshop	9 <sup>th</sup> -12 <sup>th</sup> , July, 2007	KSU, KS, USA
*EndNote X3 for Windows	3 <sup>rd</sup> , May, 2010	KSU, Riyadh, KSA
*Using Adobe Photoshop for Image Manipulation	19 <sup>th</sup> -20 <sup>th</sup> , October, 2010	KSU, Riyadh, KSA
*SAS Program Workshop	16 <sup>th</sup> March, 2011	KSU, Riyadh, KSA
*The National Plan for Science, Technology and Innovation	20 <sup>th</sup> , March, 2011	KSU, Riyadh, KSA
*How To Publish: Springer Author Workshop	21 <sup>st</sup> , March, 2011	KSU, Riyadh, KSA

### **Teaching Experience**

PLPT606 Phytopathological Molecular Biology  
PLPT608 Selected Topics in Plant Pathology

### **Thesis Supervision:**

#### **Master Students:**

Mr. Kashif Munawar thesis title "Molecular phylogenetics of some anopheline mosquitoes from Saudi Arabia" (2014)

#### **PhD Students:**

Mr. Anwar H. Sharaf Addin thesis title "Molecular and Physiological Characterization of *Fusarium proliferatum* from Date Palm in Saudi Arabia" (2018)

Mr. Jawwad Hassan Mirza thesis title "Webbing life type, phenology and investigation of diapause based on differential gene expressions of date palm mite *Oligonychus afrasiaticus* (McGregor) (Acari: Tetranychidae)"

### **Professional Memberships and Awards:**

Research Assistantship *Plant Pathology, KSU, 2003-2004*  
Travel Grant Award *American Society of Genetics, 2003*  
Don C. Warren Scholarship *Fall/Spring 2002/2003*  
IIE/USAID Scholarship *January, 1999-December, 2002*  
Member in American Phytopathological Society (APS)  
Member in Genetics Society of America (GSA)  
Member in Sigma Xi

### **Publications:**

#### **Papers and theses**

- Ahmed H. Mahmoud, Ashraf M. Mashaly, Ahmed M. Rady, Khalid M. Al-Anazi and **Amgad A. Saleh**. 2017. Allelic variation of melanocortin-1 receptor locus in Saudi indigenous sheep exhibiting different color coats. *Asian-Australasian Journal of Animal Sciences* 30:154-159.
- Yasser E. Ibrahim, **Amgad A. Saleh**, and Mohammed A. Al-Saleh. 2017. Management of Asiatic citrus canker under field conditions in Saudi Arabia using bacteriophages and acibenzolar-S-methyl. *Plant Disease* 101:761-765.
- Mahmoud H. El\_Komy, **Amgad A. Saleh**, Yasser E. Ibrahim, Younis K. Hamad and Younes Y. Molan. 2016. *Trichoderma asperellum* strains confer tomato protection and induce its defense-related genes against the Fusarium wilt pathogen. *Tropical plant pathology* 41:277-287.
- Andrea Gloria-Soria, Diego Ayala, Ambicadutt bheecarry, Olger Calderon-Arguedas, Dave D. Chadee, Marina Chiappero, Maureen Coetzee, Khouaildi Bin Elahee, Ildefonso Fernandez-Salas, Hany A. Kamal, Basile Kamgang, Emad I. M. Khater, Laura D. Kramer, Vicki Kramer, Alma Lopez-Solis, Joel Lutomiah, Ademir Martins jr, Maria Victoria Micieli, Christophe Paupy, Alongkot Ponlawat, Nil Rahola, Syed Basit Rasheed, Joshua B. Richardson, **Amagd A. Saleh**, Rosa Maria Sanchez-Casas, Goncalo Seixas, Carla A. Sousa, Walter J. Tabachnick, Adriana Troyo and Jeffrey R. Powell. 2016. Global genetic diversity of *Aedes aegypti*. *Molecular Ecology* 25:5377-5395.
- Amgad A. Saleh**, Anwar H. Sharafaddin, Mahmoud H. El\_Komy, Yasser E. Ibrahim, Younis K. Hamad & Younis Y. Molan. 2016. *Fusarium* species associated with date palm in Saudi Arabia. *European Journal of Plant Pathology* DOI 10.1007/s10658-016-1095-3.
- Mahmoud A.H., **Saleh A. A.**, Alagaili N.A., Alanazi. K M., Shafey T.M. and Abouheif M.A. 2016. Polymorphisms at exons 3 and 4 of the growth hormone gene in Najdi and Naeimisheep of Saudi Arabia. *Research Journal of Biotechnology* 11:31-34.
- Mohammed A. Al-Saleh, **Amgad A. Saleh** and Yasser E. Ibrahim. 2016. Integration of *Pseudomonas fluorescens* and salicylic acid improves citrus canker disease management caused by *Xanthomonas citri* subsp *citri*-A\*. *Archives of Phytopathology and Plant Protection* 48:17-20, 863-872, DOI: 10.1080/03235408.2016.1143573
- Amgad A. Saleh**, Mahmoud H. El\_Komy, Anas Eranthodi, Anwar S. Hamoud, Younes Y. Molan. 2015. Variation in a molecular marker for resistance of Saudi date palm germplasm to *Fusarium oxysporum* f. sp. *albedinis* the causal agent of Bayoud disease. *European Journal of Plant Pathology* 143:507-514
- Mahmoud H. El\_Komy, **Amgad A. Saleh**, Anas Eranthodi and Younes Y. Molan. 2015. Characterization of Novel *Trichoderma asperellum* Isolates to Select Effective Biocontrol Agents Against Tomato Fusarium Wilt. *The Plant Pathology Journal* 31:50-60
- Mahmoud, H. El-Komy, **Amgad A. Saleh** and Younes Y. Molan. 2015. Resistance/susceptibility of Faba Bean to *Botrytis fabae*: the Causal Agent of Chocolate Spot with Respect to Leaf Position. *International Journal of Agriculture & Biology* 17:692- 701.
- Kashif Munawar, **Amgad A Saleh** and Emad K. Khater. 2014. Molecular phylogenetics of some anopheline mosquitoes from Saudi Arabia. *Pant Protection Department, King Saud University, Riyadh, Saudi Arabia*
- Ahmed Hossam Mahmoud, **Amgad Saleh**, Nabeel Almealamah, Moez Ayadi, Abdulkareem Matar, Faisal Abou-Tarboush, Riyadh Aljumaah and Mohamed Abouheif. 2014. Polymorphism of Leptin Gene and its Association with Milk Traits in Najdi Sheep. *Journal of Pure and Applied Microbiology* 8:2953-2959.
- Mahmoud A. H., **Saleh A. A.**, Abou-tarboush F. M., Shafey T. M. and Abouheif M. A. 2014. Nucleotide sequence polymorphism within exon 3 region of leptin and prolactin genes in Herri sheep. *Research Journal of Biotechnology* 9:69-72.
- Mahmoud A. H., **Saleh A. A.**, Almealamah N. A., Abou-tarboush F. M., Aljumaah R. S., Shafey T. M. and Abouheif M. A. 2014. Molecular Characterization of Leptin Exon 3 gene in sheep of Saudi Arabia. *Research Journal of Biotechnology* 9:32-35.

- Mohammed A. Al-Saleh, Arya Widyawan, **Amgad A. Saleh** and Yasser E. Ibrahim. 2014. Distribution and pathotype identification of *Xanthomonas citri* subsp. *citri* recovered from southwestern region of Saudi Arabia. *African Journal of Microbiology Research* 8:673-679.
- Saleh, A. A.**, El\_Komy, M. H., Eranthodi, A., Hamoud, A. S., Molan, Y. Y. 2013. Molecular evaluation of resistibility/susceptibility of Saudi date palm germplasm against Bayoud disease caused by *Fusarium oxysporum* f. sp. *albedinis*. *Phytopathology* 103:S2.39
- Saleh, A. A.**, El\_Komy, M. H., Eranthodi, A., Hamoud, A. S., Molan, Y. Y. 2013. Morphological and molecular characterization of *Fusarium* isolates collected from date palm in Saudi Arabia. *Phytopathology* 103:S2.125
- El\_Komy, M. H., **Saleh, A. A.**, and Molan, Y. Y. 2013. Expression of and variation in susceptibility/resistibility responses of faba bean against chocolate spot pathogen in relation to leaf position (leaf age). *Phytopathologia Mediterranea* (submitted)
- Saleh, A. A.**, Esele, P., Logrieco, A., and Leslie, J. F. 2012. *Fusarium verticillioides* from finger millet in Uganda. *Food Additives and Contaminants* 29:1762-1769.
- El\_Komy, M. H., **Saleh, A. A.**, and Molan, Y. Y. 2012. Molecular Characterization of early blight disease resistant and susceptible potato cultivars using RAPD and SSR Markers. *African Journal of Biotechnology* 11:37-45.
- Postic, J., Cosic, J., Jurkovic, D., Vrandecic, K., **Saleh, A. A.**, and Leslie, J. F. 2012. Diversity of *Fusarium* species isolated from weeds and plants debris in Croatia. *Journal of Phytopathology* 160:76-81.
- Brady, C., Noll, L., **Saleh, A.**, and Little, C. 2011. Disease severity and microsclerotium properties of the sorghum sooty stripe pathogen, *Ramulispora sorghi*. *Plant Disease* 95:853-859.
- Rouse, M. N., **Saleh, A. A.**, Keeler, K. H., Hulbert, S. H., Travers, S. E., and Garrett, K. A. 2011. Genomic and Resistance Gene Homolog Diversity of the Dominant Tallgrass Prairie Species across the U.S. Great Plains Precipitation Gradient. *PloS ONE* 6(4): e17641. doi:10.1371/journal.pone.0017641.
- Ghafar, M. W., **Saleh A.**, Badawi, A. M., and Abd El-Aty, A. M. 2011. First molecular detection and characterization of *Borrelia burgdorferi* sensu lato (Lyme disease spirochete) in Egyptian rodents. *Veterinary Medical Journal Giza*. 59:117-128.
- Saleh, A. A.**, Travers, S. E., Ahmed, H., Zeller, K., Leslie, J. F., and Garrett, K. A. 2010. Genetic structure of *Macrophomina phaseolina* populations in tallgrass prairie and agricultural systems. *Molecular Ecology* 19:79-91.
- Travers, S. E., Tang, Z., Caragea D., Garrett, K. G., Hulbert, S. H., Leach, J. E., Bai, J., **Saleh, A.**, Knapp, A. K., Fay, P. A., Nippert, J., Schnable, P. S., and Smith, M. D. 2010. Variation in gene expression of *Andropogon gerardii* in response to altered environmental conditions associated with climate change. *Journal of Ecology* 98:374-383.
- Rouse, M. N., **Saleh, A. A.**, Keeler, K. H., Hulbert, S. H., Travers, S. E., Garrett, K. A. 2008. Diversity of a disease resistance gene homolog in natural populations of *Andropogon gerardii* (*Poaceae*) is correlated with precipitation *Phytopathology* 98:S137-S137.
- Travers, S. E., Smith, M. D., Bai, J., Hulbert, S. H., Leach, J. E., Schnable, P. S., Knap, A. K., Milliken, G. A., Fay, P. A., **Saleh, A. A.**, Garrett, K. A. 2007. Ecological genomics: making the leap from model systems in lab to native populations in the field. *Frontiers in Ecology and the Environment* 5:19-24
- Schmale III, D. G., Leslie, J. F., Zeller, K. A., **Saleh, A. A.**, Shields, E. J., and Bergstrom, G. C. 2006. Genetic Structure of Atmospheric Populations of *Gibberella zeae*. *Phytopathology* 96:1021-1026.
- Leslie, J. F., **Saleh, A. A.**, Bowden, R. L. Naturally occurring hybrids of *Fusarium graminearum*. 2005. *Phytopathology* 95:s58.
- Saleh, A. A.** and Leslie, J.F. 2004. *Cephalosporium maydis* is a distinct species in the *Gaeumannomyces-Harpophora* species complex. *Mycologia* 96:1294-1305.
- Saleh, A. A.** Genetics of Stalk-Rot Fungi in Egypt. 2004. Ph. D. thesis, Kansas State University, Manhattan, KS, USA.
- Saleh, A. A.** and J. F. Leslie. 2004. Biological species in the *Gibberella fujikuroi* species complex (*Fusarium* section *Liseola*) recovered from maize and sorghum in Egypt. *Proceedings of the 15th International Plant Protection Congress*: 369.
- Saleh, A. A.**, Zeller, K.A., Ismael, A.M., Fahmy, Z.M., El-Assuity, E., and Leslie, J.F. 2003. Amplified fragment length polymorphism (AFLP) diversity in *Cephalosporium maydis* from Egypt. *Phytopathology* 93:853-859.
- Saleh, A. A.** and J. F. Leslie. 2003. Molecular phylogenetic analysis indicates *Cephalosporium maydis* is a distinct taxon in the *Gaeumannomyces-Phialophora* species complex. *Fungal Genetics Newsletter* 50 (Suppl.):142.
- Saleh, A. A.** and J. F. Leslie. 2003. Biological species in the *Gibberella fujikuroi* species complex (*Fusarium* section *Liseola*) recovered from maize and sorghum in Egypt. *Fungal Genetics Newsletter* 50 (Suppl.):142.
- Saleh, A. A.** Genetic diversity within *Fusarium oxysporum* f. sp. *lycopersici*. 1997. M.S. thesis, Cairo University, Egypt.

Suleman, P., Tohamy, A. M., **Saleh, A. A.**, Madkour, M. A., and Straney, D. C. 1996. Variation in sensitivity to tomatine and rishitin among isolates of *Fusarium oxysporum* f.sp. *lycopersici*, and strains not pathogenic on tomato. *Physiological and Molecular Plant Pathology* 48:131-144.

### **Abstracts**

**Saleh, A. A.** et al., 2005. Naturally occurring hybrids of *Fusarium graminearum*.

**Saleh, A. A.** and Leslie, 2003. Fungal Genetics Newsletters 50 (suppl.)142.

**Saleh, A. A.** and Leslie, 2003. Fungal Genetics Newsletters 50 (suppl.)142.

**Saleh, A. A.** et al., 2000. Phytopathology 60:s68.

**Saleh, A. A.** et al., 2001. Fungal Genetics Newsletters 48(suppl.)148.

Tohamy, A., **Saleh, A. A.** et al., 1997. Phytopathology 87:s97.

### **Posters**

AFLP diversity of *Cephalosporium maydis*. Poster, 2000. Phytopathology, APS Annual Meeting, New Orleans, LA.

AFLP diversity of *Cephalosporium maydis*. Poster, 2001. 21<sup>th</sup> Fungal Genetics Conference, Pacific grove, CA.

*Cephalosporium maydis* is a distinct species in the *Gaeumannomyces-Harpophora* species complex. Poster, 2003. 22<sup>nd</sup> Fungal Genetics Conference, Pacific grove, CA, USA.

Naturally occurring hybrids of *Fusarium graminearum*. Poster, 2005. 23<sup>rd</sup> Fungal Genetics Conference, Pacific grove, C, USA.

Bionomics and Phylogenetics of the dengue vector *Aedes aegypti* from the Arabian Peninsula. Poster, 2014 63<sup>rd</sup> Annual Meeting of American Society of Tropical Medicine and Hygiene, 2014, New Orleans, Louisiana, USA.

Molecular Phylogenetics of mosquitoes from the Oriental and Afrotropical zoogeographic regions. Poster, 2014 63<sup>rd</sup> Annual Meeting of American Society of Tropical Medicine and Hygiene, New Orleans, Louisiana, USA.

Molecular Phylogenetics of anopheline (*Anophelinae*: Culicidae) mosquitoes from Oriental and Afrotropical zoogeographic zones. Poster 2014 " on "12<sup>th</sup> International Conference on Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases organized by Elsevier Ltd., Bangkok, Thailand.

### **Grants**

- Prevention is better than cure: Assessment of Bayoud-Resistance for Date Palm Germplasm in Kingdom of Saudi Arabia Using AFLPs and Mitochondrial DNA Markers \$341,000 (2012-2014) (PI)
- Molecular Genetics and Population Dynamics of *Aedes aegypti* Mosquito Vector of Arboviral Diseases \$452,000 (2012-2014) (CO-I) AGR-1475
- Innovative strategies of biocontrolling plant diseases under organic farming in Saudi Arabia: Fusarium tomato wilt as a case study \$320,000 (2015-2017) (CO-I)
- Chemical and microbial characteristaics and health health risk assessment of rug dust from moques and houses in Riyadh \$400,000 (2011-2016) (CO-I)

### **Synergistic activities**

Service as a reviewer for:

Plant Disease

Journal of Phytopathology

Science of the Total Environment

European Journal of Plant Pathology

Journal of the Saudi Society of Agricultural Sciences

PLOS ONE

### **Collaborators and other affiliations**

(a) Collaborators (inside Saudi Arabia)

Younes Y. Molan (KSU), Mahmoud El-Komy (KSU), Abdulrahman Saad Aldawood, Mostafa Rezk Sharaf, Emad Ibrahim Khater, Aarif Almubarak, Yasser E. Ibraheim, Younis K. Oon, Ahmed H. Mahmoud

(b) Collaborators (outside Saudi Arabia)

John Leslie (KSU, USA), Karen Garrett (KSU, USA), Kurt Zeller (USDA, APHIS, MD, USA), Melinda Smith (Yale U, USA), Robert Bowden (USDA, KS, USA), Scot Hulbert (WSU), Steven Travers (KSU, USA), Allan Knapp (CSU), Jan Leach (CSU, USA), Jianfa Bai (KSU, USA)

(c) Postdoctoral Advisors

Karen Garrett (KSU, USA), John Leslie (KSU, USA)

(d) Graduate Advisors

Abdel Mohsen Tohamy (ARC, Egypt), George Marchin (KSU, USA), John Leslie (KSU, USA), Lester Burgess (Sydney U, Australia), Magdy Madkour (BUC, Dubai), Mitch Tuinstra (Purdue University, USA), Robert Bowden (USDA, KS, USA), Robert Zeigler (IRRI, Philippines)