

CV for OSAMA ABDEL-HAK ABDALLA

Department of Plant Pathology
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EDUCATION

Doctor of Philosophy: Plant Molecular Virology

- The University of Tulsa, Oklahoma, USA, 2013.

Thesis: "Identification and genetic diversity of *Potyvirus*es infecting cucurbit crops in southern United States".

Master of Science: Plant Microbiology (Plant Mycology)

- Assiut University, Egypt, 2007.

Thesis: "Integrated control of tomato wilt disease caused by *Fusarium oxysporum* f.sp. *lycopersi* "

Bachelor of Science: Agricultural Science (Plant Pathology)

- Assiut University, Egypt, 2002 .

APPOINTMENTS

Lecturer of Plant Pathology

- Dept of Plant Pathology, Assiut University, Egypt.
- July 2013 – Present

Teaching Assistant

- Department of Biological Science, The University of Tulsa, Tulsa, Oklahoma, USA.
- January 2009 – May 2013

Assistant Lecturer

- Dept of Plant Pathology, Assiut University, Assiut, Egypt.
- July 2007 – December 2008

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PEER REVIEWED PUBLICATIONS

1. [Abdalla, O. A.](#) and Ali, A. 2013. First report of a novel *Potyvirus* from Florida causing chlorotic mottling in squash (*Cucurbita pepo*). *Plant Disease* 97: 1259.
2. Ali, Akhtar and [Abdalla, O. A.](#) 2013. First report of Soybean vein necrosis virus in soybean fields of Oklahoma. *Plant Disease* 97:1664.
3. [Abdalla, O. A.](#) and Ali, A. 2012. Genetic diversity of 3-terminal region of *Papaya ringspot virus* (PRSV-W) isolates from Oklahoma. *Archive of Virology* 157: 405-412.
4. [Abdalla, O. A.](#), Bruton, B. D., Fish, W, W. and Ali, A. 2012. First report of *Tobacco ringspot virus* in cucurbit crops in Oklahoma. *Plant Disease* 96: 1705.
5. [Abdalla, O. A.](#), and Ali, A. 2012. First report of *Alfalfa mosaic virus* in Oklahoma. *Plant Disease* 96: 1706.
6. Ali, A., [Abdalla, O. A.](#), and Bruton, B., Fish, W., Sikora, E., Zhang, S., and Taylor, M. 2012 .Frequency and distribution of viruses infecting watermelon and other cucurbits in southern United States .*Plant health report*. Doi:10.1094/PHP-2012-0824-01-RS.
7. Ali, A., [O. A Mohammad.](#) and Khatab, A. 2012. Distribution of viruses infecting cucurbit crops and isolation of potential new virus-like sequences from weeds in Oklahoma .*Plant Disease* 96: 242-246.
8. [Abdalla, O. A](#) and Amal Eraky and F. G. Fahmy . 2008. Efficiency of certain fungi in Bio-control of Fusarium wilt in tomato. *Assiut Journal of Agriculture Science*, 39: 36-41
9. Eraky, Amal and [Abdalla, O. A.](#) 2007. Efficiency of Salicylic acid and Oxalic Acid for controlling Fusarium wilt of tomato, *Assiut Journal of Agriculture Science*, 38: 71-76..
10. Eraky, Amal and [Abdalla, O. A](#) 2006. Suppression of Fusarium wilt of tomato by chitosan, involving both antifungal activity and root protection, *Assiut Journal of Agriculture Science*, 37: 103-111.

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Future publications (In Press)

11. [Abdalla, O. A.](#) and Ali, A. 2014. Epidemiology and genetic diversity of Watermelon mosaic virus in southern United States. *Virus Genes* (In press).
12. [Abdalla, O. A.](#) and Ali, A. 2014. Analysis of 3-terminal region of *Papaya ringspot virus* (PRSV-W) isolates from southern United States. *Archive of Virology* (In press).
13. [Abdalla, O. A.](#) and Ali, A. 2014. Molecular characterization of new Potyvirus infecting squash in Florida. *Virus Genes* (In press).

CONFERENCE PROCEEDINGS AND PRESENTATIONS AT PROFESSIONAL MEETINGS

1. [Abdalla, O. A.](#) and Ali, A. 2013. Analysis of 3'-terminal region of *Papaya ringspot virus* (PRSV-W) isolates from southern United States.. Abstracts of 2013 APS-MSA Joint Meeting. Austin, TX, U.S. August 10th – August 14th .
2. Ali, A. and [Abdalla, O. A.](#) 2013. Epidemiology and genetic variability of Watermelon mosaic virus infecting cucurbits in southern United States. Abstracts of The 12th International symposium on Plant Virus Epidemiology. Arusha, Tanzania. January 28th – February 1st.
3. [Abdalla, O. A.](#) and Ali, A. 2012. Analysis of *Watermelon mosaic virus* isolates from Oklahoma. Abstracts of The University of Tulsa 15th Annual Student Research Colloquium. Tulsa, OK, USA. March 26th – April 3rd.
4. [Abdalla, O. A.](#) and Ali, A. 2011. Genetic diversity of papaya ringspot virus isolates from multiple hosts in Oklahoma. Abstracts of The 100th Annual Technical meeting, Oklahoma Academy of Science, Southeastern Oklahoma State University, OK, USA. November 10th – November 11th ..
5. [Abdalla, O. A.](#) and Ali, A. 2011. Distribution of viruses infecting cucurbits in southern United States Abstracts of The University of Tulsa 14th Annual Student Research Colloquium. Tulsa, OK, USA. March 24th – April 1st.
6. [Abdalla, O. A.](#) and Ali, A. 2010. Genetic analysis of *Papaya ringspot virus* isolates from Oklahoma. Abstracts of the University of Tulsa 13th Annual Student Research Colloquium. Tulsa, OK, USA. March 22nd – 28th.

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PROFESSIONAL SOCIETIES MEMBERSHIP

- Member of the American Phytopathological Society (APS).
- Member of the American Society of Virology
- Member of the Egyptian Syndicate of Agricultural Professions

GRANT SUPPORT

- **Principal Investigator** – Survey of viruses infecting weeds in Oklahoma. The University of Tulsa Research Office. September 1st, 2009 – August 31th, 2010.
- **Principal Investigator** – Identification of unknown viruses from weeds in Oklahoma. The University of Tulsa Research Office. September 1st, 2010 – August 31th, 2011.
- **Principal Investigator** – Molecular characterization of new viruses infecting weeds in Oklahoma. The University of Tulsa Research Office. September 1st, 2011 – August 31th, 2012.
- **Teaching Assistantship, Graduate school** - The University of Tulsa, OK, USA . January 2009 – May 2013

COMPUTER EXPERIENCE

- Familiar and able to use effectively Microsoft Word , Microsoft power Point, Corel Draw 8, Excel, Costat, Word Perfect, Photoshop, SPSS, SAS, MSTAT, DNASTAR-Lasergene, MEGA, Several Sequencer Analysis programs and knowledge of available online genetic databases.

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RESEARCH EXPERIENCE

Through my involvement in research for over 9 years I have used several microbiological, molecular biological, and biochemical techniques that include but not limited to: Molecular biology techniques including

- Isolation, purification of plant pathogens : (especially plant viruses)
- Morphological and molecular identification of plant pathogens
- Enzyme assay.
- Tissue culture.
- RNA, DNA extraction,
- Primer designing,
- PCR/RT-PCR,
- Ligation, Transformation, and Cloning.
- Sequencing.
- Sequences alignment and analysis.
- Phylogentic and Evolutionary studies
- Statistics analysis.

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REFERENCES

- 1. Dr. Peggy Hill** , Professor, Dept. of Biological Science, The University of Tulsa,
Email: Peggy-hill@utulsa.edu
Phone: 918-631-2992
Address: Department of Biological Science – The University of Tulsa
800 S Tucker dr, Tulsa, OK 74104.- USA.
- 2. Dr. Akhtar Ali**, Associate Professor, Dept. of Biological Science, The University of Tulsa.
Email: Akhtar-ali@utulsa.edu
Phone: 918-631-2018
Address: Department of Biological Science – University of Tulsa
800 S Tucker dr, Tulsa, OK 74104 – USA.
- 3. Dr. Mohamed Fakhr**, Assistant Professor, Dept. of Biological Science, University of Tulsa.
Email: Mohamed-fakhr@utulsa.edu
Phone: 918-631-2197
Address: Department of Biological Science – University of Tulsa
800 S Tucker dr, Tulsa, OK 74104 – USA.
- 4. Dr. Ron Bonnet** , Associate Professor, Dept. of Biological Science, The University of Tulsa,
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