CURRICULUM VITAE



**Abd El-Rahim Mohamed Ahmed El-Samawaty**

**Ph.D**

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**Current position:*Associate Professor***

***Botany &Microbiology.Dept.***

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***King Saud Univ.***

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**Educations:**

**Doctor of Philosophy:**

Agricultural Sciences/Plant Pathology, (2004), Plant Pathology, Faculty of Agriculture, MiniaUniversity.

**Thesis**: Pathological studies on the interaction between some Fusarium species and cotton plants

**Master of Science:**

Agricultural Sciences/Plant Pathology, (1999), Plant Pathology, Faculty of Agriculture, Assiut University

**Thesis**: studies on Cotton Root Rot Diseases

**Bachelor of Science:**

Agricultural Sciences/Plant Pathology, (1990), Plant Pathology, Faculty of Agriculture, Assiut University

**Academic Positions:**

* **Research Assistant.(Demonstrator**) 1995-1999.Cotton and Fiber Crop Disease Department.Plant Pathology Research Institute.Agricultural Research Center.
* **Assistant Researcher. (Lecturer**) 1999-2004. Cotton and Fiber Crop Disease Department.Plant Pathology Research Institute.Agricultural Research Center.
* **Researcher. (Assistant Professor**) 2004-2010. Cotton and Fiber Crop Disease Department .Plant Pathology Research Institute. Agricultural Research Center..
* **Senior Researcher.(Associate Professor**) 2010.Cotton and Fiber Crop Disease Department .Plant Pathology Research Institute. Agricultural Research Center.
* **Chief Researcher (Professor) 2015.**Cotton and Fiber Crop Disease Department .Plant Pathology Research Institute. Agricultural Research Center..

**Contributions:**

* + Member of the research team in the projects of"integrated control of the most important diseases of cotton in Egypt" funded by the European Common Market.
  + Member of the research team in the projects of"integrated control of the most important diseases of flax in Egypt" funded by the European Common Market
  + Member of the research team in the project numbers (68-527- 528) evaluate the effectiveness of fungal disinfectants using in control of rot seeds and damping off diseases of cotton.
  + Member of the research team in the project numbers (328- 529- 530- 617- 618) evaluate the effectiveness of fungal disinfectants using in control of sooty mold diseases of cotton.
  + Training of the inspectors and engineers of agricultural extension and control of agriculture directorates to identify diseases of various crops, especially cotton and flax crops and the methods of disease control, in cooperation with the central administration for guidance.
  + Training of the students of agricultural colleges during the summer training sessions on diseases of cotton, flax and fiber crops.
  + Participation in The Plant Pathology Research Institute lectures for the training of master’s colleagues or directorates of agriculture.
  + Participating in seminars and extension lectures held directorates of agriculture and training centers to guide the gentlemen working in the field of guidance and control, as well as farmers on the best methods for prevention and treatment of diseases of cotton and flax crops .
  + Participation in the examination and certification of exited seed massages.
  + Inspection of disease problems limited to cotton, flax and fiber crops and contribute to the resolution and management.

**Funded projects*:***

* PI for project (Bot/2010/44) funded by King Saud Univ, "Antagonistic effect of *Aloe vera*leaf extract against some of seed borne fungi".
* Co. I for project (Bot/2010/06) funded by King Saud Univ, "Natural occurrence of mycotoxin-producing fungi associated with post-harvest maize grains."
* PI for project (RGP-VPP-09) funded by Deanship of Scientific Research, King Saud Univ, "Secondary metabolites and PCR- based markers to predicted the risk of Airborne fungi"
* C0. I for project (RGP-VPP-22) funded by Deanship of Scientific Research, King Saud Univ, Use PCR tools for detection fungal biota in some foods to increase awareness of mycotoxins
* C0. I for Research Group project No. (RGP-VPP-298) funded by Deanship of Scientific Research, King Saud Univ,
* PI for Research Group project No. (RG-1436-09) funded by Deanship of Scientific Research, King Saud Univ,
* C0. I for project No. (13-Bio/384-02) under title ( Thraustochytrids from Saudi Arabia as a novel source of omega-3 fatty acids and other secondary products )funded by National Science, Technology and Innovation plan.

**Publications:**

1. Yassin M. A., Abd El-Rahim M.A. El-Samawaty, Turki M. Dawoud, Omar H. Abd-Elkader, Khalid S. Al Maary, Ashraf A. Hatamleh and Abdallah M. Elgorban (2016). Characterization and anti-*Aspergillus flavus* impact of nanoparticles synthesized by *Penicillum citrinum.* Saudi Journal of Biological Sciences (Online) Oct. 31-2016.
2. Abdallah M. Elgorban, Abd El-Rahim M.A. El-Samawaty, Omar H. Abd-Elkader, **Yassin M. A**., Shaban R.M. Sayed, Mujeeb Khan, and Syed Farooq Adil (2016). Bioengineered silver nanoparticles using *Curvularia pallescens* and its fungicidal activity against *Cladosporium fulvum.* Saudi Journal of Biological Sciences (Online) Sept. 25-2016.
3. **Yassin M. A.,** Abdallah M. Elgorban, Abd El-Rahim M.A. El-Samawaty, Omar H. Abdelkader, and Shaban R. M. Sayed .An eco-friendly approach for fabrication of silver nanoparticles using *Aspergillus clavatus*. Fresenius Environmental Bulletin. In press (Accepted in 12/9/2016).
4. Mahmoud M.A., El-Samawaty A.M.A., Yassin M.A., Abd El-Aziz A.R.M. (2016). Genetic diversity analysis of A. flavus isolates from plants and air by ISSR markers. Genetics and Molecular Research (Online) 27/4/2016. DOI http://dx.doi.org/10.4238/gmr.15028081.
5. El-Samawaty A. M. A., Yassin M. A., Moslem M. A., Omar M. R (2016) Role of some antioxidants in suppressing of flax powdery mildew. Fresenius Environmental Bulletin. Volume 25, pages 1059 -1067.
6. Yassin M. A., El-Samawaty A. M. A., Moslem M. A (2016) Evaluation of potassium and sodium silicate Against Fusarium spp. causing damping-off disease of cotton seedling. Fresenius Environmental Bulletin. Volume 25 – No., pages 1117-1124.
7. Ali H. Bahkali, , Abdallah M. Elgorban, Abd El-Rahim M.A. El-Samawaty, Huda-Mogren A. Almogren, Mohamed A. El-Metwally and Naif S. Al-Harbi (2015)In vitro Susceptibility of Clinical Aspergillus Species to Some Antifungal Agents. International Journal of Pharmacology 11 (5): 496-501.
8. Aly, A. A; Hanan M. Abd El-Gelil and A. M. A. El-Samawaty and E.M. Hussein (2015) Correlation between susceptibility to Fusarium wilt and agronomic and technological traits in some cotton genotypes. J. Agric. Chem. Biotechn., Mansoura univ. Vol. 6 (1): 15-28.
9. Hanan M. Abd El-Gelil and A. M. A. El-amawaty. (2015).Use of Rapd- PCR analysis to detect molecular markers for Fusaarium- wilt resistance in Egyptian cotton. Egypt. J. Plant Breed. 19 (1):173-194.
10. Abdallah Mohamed Elgorban, Abd El-Rahim Mohamed El-Samawaty, Mohamed Abdallah Yassin, Shaban Rushdy Sayed, Syed Farooq Adil, Khaled Mohamed Elhindi, Marwa Bakri & Mujeeb Khan (2015) Antifungal silver nanoparticles: synthesis, characterization and biological evaluation. Biotechnology & Biotechnological Equipment.
11. Yassin, M. A., El-Samawaty A. M. A., Moslem M. A. (2015). Coffee Bean Myco-Contaminants and Oxalic Acid Producing Aspergillus niger. Accepted in Italian Journal of Food Sciences, (1):82-87.
12. El-Samawaty A. M. A., El-Naggar M. A., Moslem M.A., Yassin, M.A. Al-Arfaj A.A. (2014). Mycoflora Colonization and Mycotoxin Accumulation in Cotton Seeds. Journal of Pure and Applied Microbiology. Vol. 8 (Spl. Edn. 2), p. 283-290.
13. El-Samawaty A. M. A., Yassin M.A., Moslem M.A. and Omar M. R (2014). Suppression of the Cotton Seedlings Pathogen *Rhizoctonia solani* by Some Plant Extracts. Journal of Pure and Applied Microbiology. Vol. 8(Spl. Edn. 2), p. 191-196.
14. El-Samawaty A. M. A., Moslem M. A., Yassin M. A., Al-Arfaj A.A (2014). Contamination of Cashew Nut with Myco-toxigenic Fungi. Journal of Pure and Applied Microbiology, 8 (5):3923-3931.
15. Aly, A.A., El-Samawaty A. M. A. and Yassin, M.A. (2014). Non-differential Interaction between Isolates of *Rhizoctonia solani* and Egyptian Cotton Cultivars. *Res. on Crops* 15 (3) : 655-661
16. El-Samawaty A. M. A., Yassin M.A., Moslem M.A and Sayed S.R.M. (2014). Fungal Endophytes Survey of Some Legume Seeds. Journal of Pure and Applied Microbiology. Vol. 8(Spl. Edn. 2), p. 153-160
17. Moslem, M.A., Yassin M.A., El-Samawaty A. M. A., Sayed S.R.M. and Amer O.E. (2013). Mycotoxin-producing *Penicillium* spp. involved in blue mold of apple fruits. Journal of Pure and Applied Microbiology.7 (1):187-193.
18. El-Samawaty A. M. A. (2013) Inducing Resistance in a Flax Cultivar Susceptible to Rust Disease Caused by *Melampsora lini*. Journal of Pure and Applied Microbiology., Vol. 7(Spl. Edn. 1), p: 1831-1836
19. Yassin, M.A., Moslem M. A., El-Samawaty A. M. A. and Sayed S.R.M. (2013). Unconventional control method of mycotoxigenic *Penicillium* spp. associated with apple blue mold. Fresenius Environmental Bulletin 22(3a): 813 – 817.
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21. Yassin, M.A., Moslem M. A., El-Samawaty A. M. A., El-Shikh M. S. (2013). Effectiveness of *Allium sativum* in Controlling Sorghum Grain Molding Fungi. Journal of Pure and Applied Microbiology, 7(1):101-107.
22. El-Samawaty A. M. A., Moslem M.A., Yassin M.A., Sayed S. R. M. and El-Shikh M.S. (2013). Control of Grape Blue Molding Penicillia by *Allium sativum*. Journal of Pure and Applied Microbiology.7(2):1047-1053
23. .M. R. Omar, E. Z. Gomaa, A. A. Alyi, and A. M. A. EL-Samawaty (2013) Differential antagonism of *Bacillus* spp. against isolates of *Macrophomina phaseolina* *Romanian Biotechnological LettersVol. 18, No. 5,* 8703-8714.
24. El-Samawaty, A. M. A., Yassin M.A., Moslem M.A., Omar M.R. (2013). Effectiveness of Some Plant Extracts against *Fusarium* spp. Causing Cotton Seedlings Damping-off. Life Science Journal, 10(4):510-515.
25. Yassin, M.A., El-Samawaty A. M. A., Moslem M.A, El-Naggar M.A. (2013). Mycobiota of Almond Seeds and the Toxigenicity of Some Involved Genera. Life Science Journal, 10(4):1088-1093.
26. Yassin, M.A., El-Samawaty A. M. A., Moslem M.A. and El-Naggar M.A. (2013). Myco-Contaminants Associated with Pistachio Nut and Aspergillii Mycotoxicity. Journal of Pure and Applied microbiology.Vol. 7 (Spl. Edn.): 361-367.
27. Heba Mohamed, Aly Abd EL-Hady, Mahmoud Mansour and Abd El- Rahim El-Samawaty (2012) Association of oxidative stress components with resistance to flax powdery mildew. *Tropical Plant Pathology*, vol. 37(6):386-392.
28. El-Samawaty, A. M. A., Omar M.R., El-Naggar M.A., Yassin M.A., and Amer O.E. (2012). Pathological Assessment of Seed Borne Fungi Involved in Cotton Seedlings Damping-off. Journal of Plant Sciences, 7(3):85-95.
29. Yassin, M.A., Moslem, M.A. and El-Samawaty A. M. A. (2012). Mycotoxins and Non-fungicidal Control of Corn Grain Rotting Fungi. Journal of Plant Sciences 7(3): 96-104.
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32. Osama E Amer, Mohamed A Mahmoud, M A El-Samawaty, Shaban R M Sayed
33. (2011) Non liquid nitrogen - based method for isolation of DNA from filamentous fungi. AFRICAN JOURNAL OF BIOTECHNOLOGY 10:14337-14341
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35. El-Samawaty, A. M. A., Yassin M.A., Moslem M.A., and Bahkali A.H., (2011). Bio-fungicidal activity of *Aloe Vera* sap against mycotoxigenic seed-borne fungi. Fresenius Environmental Bulletin, 20(6):1352-1359.
36. Moslem, M.A., Yassin M.A., El-Samawaty, A. M. A. and Sayed, S.R.M. (2011). New toxigenic *Penicillium* species associated with apple blue mold in Saudi Arabia. Fresenius Environmental Bulletin.20 (12):3194-3198.
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39. El-Samawaty, A. M. A and A. A. Galal (2009) Use of benzothiadiazole (BTH) for inducing systemic resistance in cotton seedlings against some soil-borin pathogenic fungi.J .Agric. Sci. Mansoura Univ., 34(4):3305-3315.
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43. El-Samawaty, A.M.A; A. Asran Amal, M. R. omar and K. A. Abd-Elsalam(2008). Anastomosis Group, Pathogenicity, and Cellulase production of Rhizoctonia solani from cotton.Pest Technology 2(2) Global Science Books.
44. El-Samawaty A.M.A, M.A.T. Abdel-Reheem, K.A. Abd-Esalam, and M.R. omar (2008).Use of random amplified polymorphic DNA(RAPD) to differentiate among isolates of Fusarium spp. Pathogenic on cotton. J BiolChem Environ Sci,3 (1):811
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46. El-Samawaty, A. M. A.; M. R. Omar and A. A. Gala (2008). Systemic acquired resistance in cotton genotypes against vascular wilt disease caused by *Fusarium oxysporum*f.sp. *vasinfectum.* Egyptian J. of Agri. Res.,86(4),1253-1264 M.R.omar
47. Zayed, S.M.E.; M.R. Omar and A. M. A. El-Samawaty (2008). Use of bicarbonate salts, fungicides and the bioinsecticide*Beauveriabassiana* to suppress sooty mold disease on cotton. J. Agric. Sci. Mansoura Univ., 33 (2): 1117-1126.
48. Abdel-latif, M.R.; Z.A. Shehata; A.A. Galal; A.M. Hussein and A. M. A. El-Samawaty (2007). Pathological studies on Fusarium species effecting cotton plants. . J. Agric. Sci. Mansoura Univ., 32 (6): 4395-4408.
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51. Abd-Elsalam K.A.; A. Asran-Amal and A. M. A. El-Samawaty (2007). Isolation of high-quality DNA from cotton and its fungal pathogens. Journal of plant diseases and protection, 114 (3): 113-116.
52. Aly, A.A., M.R. Omar, A. M. A. El-Samawaty and A.A. Ismail (2007). Use of culture analysis to differentiate among isolates of *Rhizoctonia solani* from cotton based on variation in virulence and in sensitivity to pesticides. J. Agric. Sci. Mansoura Univ., 32 (11): 8967-8975
53. Aly, A.A., E.M. Hussein, M.R. Omar and A. M. A. El-Samawaty (2007). Use of protein electrophoresis to quantify resistance of cotton to Fusarium wilt disease. J. Agric. Sci. Mansoura Univ., 32 (5): 3475-3488.
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