Vitae and Publications

Name: Fikry Galal Mohamed Fahmy
Position: Professor, Ex. Head of Plant Pathology Department
Telephone: (088) 332281 - (088) 339128
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Place and Date birth: January 18, 1947 Tanta, Egypt.
Education:
a- B. Sc. in Plant Pathology (1970) Alexandria Univ., Egypt.
b- M. Sc. in Plant Pathology (1975) Assiut Univ., Egypt.
c- Ph. D. in Biology (virus diseases) (1982) Leningrad (Saint – Petersburg State Agricultural University, Russia).
Employment and Research Experience:
(1970 - 1975): Demonstrator of Plant Pathology, College of Agric., Assiut Univ.
(1975 - 1978): Assistant Lecturer of Plant Pathology, same.
(1978 - 1982): Member of fellowship towards study of Ph.D. degree in Leningrad, (Saint – Petersburg State Agricultural University, Russia).

(1982 - 1987): Lecturer of Plant Pathology, College of Agric., Assiut Univ.
(1987 - 1992): Associate Professor of Plant Pathology, same.
(1993 - present): Professor of Plant Pathology, same.
Head of plant Pathology Department (2002 – 2005)
Research interests:
- Research on bacterial diseases (crown gall caused by *Agrobacterium tumefaciens*) 1971 - 1975.
- Research on bacterial diseases of sugar beets 1975 - 1978.
- Research on potato (*Solamum tuberosum* L.) 1978 - present.
- Research in eliminating virus particles using modifications in media and a new antibiotic (Novoimanin) 1979 - 1982.
- Member team USA\ Egyptian projects white rot disease of onion & maize late wilt and root rot 1983 - 1985.
- Member USA\D SEEP team, virologist applied research vector (*Pentalonia nigronorvosa*) and plant (*Musa* sp.) for eliminating " Bunch-top" disease, Assiut Governorate 1985 - Present.

- Member of Egyptian Society of Sugar Technologists.
- Prize of Prof. Dr. Soleman Hozien (1992).
- Honorary of Assiut Governorate (1992).
- Visiting Professor 1994 (Bashkier State University and Bashkier Agrarian University ., Russia.
- Prize of the best article for the agricultural development, Univ. of Assiut, Fac. of Agric. 1997.

- Head team research project " Production of potato seeds around the year through biotechnology techniques, 1997. Regional Council for Research and Extension.

- Visiting Professor 1998 (Institute Fur Pflanzenpathologie und Pflanzenschutz der Goerg-August - Universitat, Gottingen., Germany).

- Prize of the best article for the agricultural development, Univ. of Assiut, Fac. of Agric. 1998.

- Participate in The First International Conference On Sugar and Future ,February 15-18 ,1999 Luxor ,Egypt .

- Participate in The TEMPS-MEDA REGIONAL CONFERENCE " Higher Education CO-Operation and intercultural dialogue across the Mediterranean " Alexandria 13-14 October 2003.

Participate in The Conference of "New approach techniques for improving and producing Agricultural crops" 1-3 December 2003, Cairo, Egypt.

- Member, academic group of " Mycological Center" University of Assuit , Assuit Egypt (from 8/4/ 2004 –Present).

Participate in Minia International Conference "Towards a Safe and Clean Environment " 15-18 April 2005, Al- Minia, Egypt.

- Participate in The Conference of The Third International Conference Of Plant Protection Research Institute, 26-29 November 2005, Cairo, Egypt.
Cairo, Egypt.

Founder's member of Basic and Applied Mycological Society, University of Assiut 2005.

Nominated by" Al-BALQA APPLIED UNIVERSITY" as external examiner for the promotion of associate professors in the field of Plant Virology.

Participate in The Sixth International Conference for "Development and Enviroment in the Arab World " 24-26 March 2012, Assiut , Egypt.

Participate in The seventh International Conference for "Development and Enviroment in the Arab World " 24-26 March 2014, Assiut , Egypt.

Participate in The Sixth International Conference of Virology ,November 29- December 2,2016 Hurghada ,Egypt .

Profession (Societies and Honors)
Member, Egyptian Phytopathological Society the Mediterranean.
Fellow, Leningrad Institute of Plant Protection.
Publications 1982 - Present:

Author of some scientific books:

1- Plant Tissue Culture (2004)

Publisher, House of Scientific books for Publishing and Distribution ,Abdeen , 50 El-Sheik Rehan ,Cairo.

2- Phytovirology (2007)
Publisher, House of Scientific books for Publishing and Distribution ,Abdeen , 50 El-Sheik Rehan ,Cairo

3- " Mushroom" In Press (2008), Publisher, House of Scientific books for Publishing and Distribution, Abdeen, 50 El-Sheik Rehan, Cairo.

3- Fahmy, F.G., A.M. El-Shabrawy and N. Kandeel. 1984: Reaction of certain tomato varieties to streak disease viruses under Assiut Governorate conditions. Proceedings of six th Congr. of Mediter. Phyto. Union, Cairo, Egypt p. 386.

1- Fahmy, F.G.M. 1982: Rapid reproduction of free-virus potato plants. L., LAU, p.83 (In Russian).

2- Fahmy, F.G.M. and Larina,E.I. 1982: Sanitation of potato from mosaic group viruses using the method of apical meristem. Proceedings of All. Uni. Res. Inst. Pl. Prot. Leningrad p.62.

4- Fahmy, F.G., R.F. Abdou and N. Kandeel 1984: Production of potato virus-free plants by means of callus method. Assiut J. of Agr. Sci. 15: N.3, 263-274.

5- Fahmy, F.G. and M.S. Mohamed 1984: Effect of onion root exudates, sulphide compounds and cultures filtrates of certain microorganisms on infectivity of tobacco mosaic and potato viruses. Egypt. J. Phytopathol. Vol. 61 No. 1-2, pp. 65-69.

6- Fahmy, F.G., F. G., Saleh and R. F. Abdou 1985: Induction of week strain of tobacco mosaic virus by chemical mutagens and its possible use in controlling mosaic of tomato. Assiut J. of Agr. Sci. 16: No. 2, 197-208.

7- Amein, A. M. , A.M. El-Shabrawy, F. G. Fahmy, and M.S. Mohamed 1985: Studies on corn seed-borne fungi. Assiut J. of Agri. Sci. 16: No. 1, 219-228.

8- Mohamed, M.S. and F.G. Fahmy 1985: Effect of certain crop residues on incidence of onion white rot and biological control of *Trichoderma harzianum* Rifai. Assiut J. of Agri. Sci. 16: No. 1, 209-218.

9- Fahmy, F.G., A.M. El-Shabrawy, N. Kandeel and A.M. Amein 1985: Reaction of certain tomato varieties and their F_1 hybrids to streak disease viruses and relationship between chemical composition of plants and disease resistance. Assiut J. of Agric. Sci. 16: (1), 231-240.

10- Fahmy, F.G., M.S. Mohamed and A.M. Abo El-Nasr 1986: Vaccination of sugarcane plants with weak or moderate

sugarcane mosaic virus strains against severe strain. Assiut J. of Agric. Sci. 17: (1), 27-35.

11- Ahmed Galal A. Salman, M.F. Abou-Ghadir, F. G. Fahmy and Khalaf M. Adam 1986: Artificial inducement of malformation on mango and the rol of *Eriophyes mangoferae* (Sayed) Acarifores: (Eriophyidae) and *Fusarium oxysporum* Schlecht in the disease incidence VIII International Congr. of Acarology Bangalore, India.

12- Larina E.L. and F.G. Fahmy 1986: The use of Novoimanin antibiotic for sanitation against mosaic viruses of potato. Proceedings All. Uni. Inst. Plant Prot. (VIZR), Leningrad.

13- Fahmy, F.G. and R.F. Abdou 1988: Regeneration of tolerant plants to potato group viruses through thought somatic hybridization of potato protoplasts. Assiut J. of Agric. Sci. vol .19 No. (50) : 307-319.

14- Abdou, R.F. and F.G. Fahmy 1988: Effect of certain chemical mutagens on potato plants produced from tissue culture for the indication of somaclones resistant to some potato viruses. Assiut J. of Agric. Sci. 19: 5, 67-75.

15- Fahmy, F.G. and M.O.M. Omar 1988: Effect of bee product propolis extracts on certain potato viruses. Forth Int. Confe. Of Apiculture in tropical climates, Cairo 1988.

16- Mohamed, M.S. and F.G. Fahmy 1988: Improvement of the biological control of *Trichoderma harzinum* Rifai to onion white rot. Egypt. J. Phytopathol., 20: (2), 177-185.

17- Fahmy, F.G. and M.O.M. Omar 1989: Potential use of "Propolis" to control white rot disease of onion. Assiut J. of Agric. Sci. vol . 20 No. (1) : 265-276.

18- Abo El-Nasr, A.M., F.G. Fahmy and M.R. Rushdi 1989: Elimination of sugarcane mosaic disease by tissue culture and hot water treatment. Assiut J. of Agric. Sci. vol . 20 No . (1) : 277-292.

19- Fahmy, F.G. and M.S. Mohamed 1989: Buphanisine as a new plant antiviral agent. Assiut J. of Agric. Sci. vol . 20, No . (3) : 279-292.

20- Abd-Elrazik, A.A., F.G. Fahmy, A.M. Amein and A.L. Amein 1990: Effect of soil solarization on seedling diseases of onion and population densities of fungi in soil. Sixth Congress for Plant Pathology, March 1990, Cairo.

21- Abd-Elrazik, A.A., F.G. Fahmy, A.M. Amein and A.L. Amein 1990: Role of onion seeds in transmission of damping-off causal fungi and chemical control of the disease. Assiut J. of Agric. Sci. vol. 21 No . (1) : 173-193 .

22- Fahmy, F.G. 1990: Sugarcane sub-colnes resistant to mosaic virus (MV) from callus tissue culture. Assiut J. of Agric. Sci. vol . 21 No. (2) : 59-73.

23- Fahmy, F.G. 1990: Some factors affecting the incidence of potato brown rot. Assiut J. of Agric. Sci. vol . 21 No . (5) : 221-230.

24- Abo El-Kasim, M.Kamal, F.G. Fahmy, A.A. Ali and M.A. Sellam 1990: Effect of preceding crops on the incidence of sesame wilt disease. Assiut J. of Agric. Sci. vol . 22 No . (1) : 99-113.

25- Fahmy, F.G. 1996: Tissue culture of sugarcane as a procedure to obtain viruses free plants and high yields. First International Symposium on sugar and Integrated Industries Present and Future. Luxor, Egypt.

26- El-Farash, E.M., H.M. El-Aref and F.G. Fahmy 1996: Exploring genotypic potential of selected sugarcane somaclonal for improve sugar content and yield. Assiut J. of Agric. Sci. vol. 27 No.(2) : 225 – 238 .

27- El-Aref, H.M., E.M. El-Farash and F. G. Fahmy. 1996: Genotypic variability among potential of selected sugarcane somaclonal for improve sugar content and yield. Assiut J. of Agric. Sci. vol.27 No.(2) :209 – 224.

28- Abd-El-Moneem, K. M. H., E. M. El-Farash and F. G. M. Fahmy. 1997: In Vitro selection for high yielding somaclones resistant to charcoal root-rot and wilt disease complex in sesame. Assiut J. of Agric. Sci. vol. 28 No.(2): 201-224 .

29- Taghian, A.S., K.M.H. Abd-El-Moneem and F.G.M. Fahmy 1997: Establishment of superior potato somaclone and differential gene expression during *Alternaria solani* and potato mosaic viruses' infection. Assiut J. of Agric. Sci. vol. 28 No . (4): 45 – 65.

31- Taghian,A.S., and F.G.Fahmy 1998: Genetical studies on sugarcane plants derived from tissue culture. Assiut J. of Agric. Sci. vol. 29, No. (1): 113-131.

32-Hoda Ahmed, A. M., K..M..H. Abd-El – Moneem ,A.D. Allam and F.G. Fahmy 2000: Biological control of root – rots and wilt diseases of cotton. Assiut J . of Agric. Sci., vol. 31 No.(2) : 269-286

33-Hoda Ahmed, A. M., K.M.H. Abd – El – Moneem , A. D. Allam and F.G. Fahmy 2000: Effect of soil solarization on incidence of root-rots and wilt diseases of cotton . Assiut J . of Agric. Sci ., vol . 31 No. (2) : 249-267 .

34- Abd- Elrasoul ,M.M.A., F.G. Fahmy., Higgy, A.H., and Abd- Elrazik,A.A.2003: The use of tissue culture technique to obtain sugarcane virus – free plants. The Conference of "New approach techniques for improving and producing Agricultural crops" 1-3 December 2003, Cairo, Egypt.

35- Abd- Elrasoul ,M.M.A., F.G. Fahmy., Higgy, A.H., and Abd- Elrazik,A.A.2005: Race identification and biological control of *Ustilago scitaminea* the causal organism of sugarcane Smut disease in Upper Egypt. The Third International Conference Of Plant Protection Research Institute ,26-29 November 2005, , Cairo, Egypt.

36- Amal ,M.I.Eraky,Abd EL Hak ,O. and F.G.Fahmy.2006: Suppression of Fusarium wilt of tomato by chtitosan involving both antifungal activity and root protection. Assiut J . of Agric. Sci ., vol . 37 No.(3) : 141-152.

37- Amal ,M.I.Eraky,Abd EL Hak ,O. and F.G.Fahmy.2007: Efficiency of salicylic acid and oxalic acid for controlling Fusarium wilt of tomato. Assiut J . of Agric. Sci ., vol . 38 No.(2) : 97-110.

38- **EL Hak ,O.,, Amal ,M.I.Eraky,Abd EL Hak ,O and F.G.Fahmy.2008.** Efficiency of certain fungi in biocontrol of Fusarium wilt of tomato. Assiut J . of Agric. Sci ., (in press ,2008).

39- **Amal ,M.I.Eraky, Safynas Abd El-Salam M.Baker and F.G.Fahmy.2010.** Cytopathological studies on Alfalfa mosaic virus (AMV) in potato plants . Egypt.J.Phytopathol.,Vol.38,No.1-2,pp.137-148.

40-**Abdalla,O.A., Safynaz A. Mohamed , Amal I. Eraky and F.G. Fahmy. 2015.** Genetic Comparison Between Coat Protein Gene of *Alfalfa mosaic virus* Isolate Infecting Potato Crop in Upper Egypt and Worldwide Isolates. International Journal of Virology 11 (3):112-122.

41- **Safynaz A. E. Mohamed, Osama A. Abdalla, Amal I. Eraky and F. G. Fahmy**. **2016. Application of tissue culture technique integrated with thermotherapy, plant extracts and fungal culture filtrates to control certain potato viruses.** Assiut J . of Agric. Sci ., (in press ,2016).

42- **Osama A. Abdalla*, Amal I. Eraky, Safynaz A. Mohamed, F. G. Fahmy.** Molecular Identification of Viruses Responsible for Severe Symptoms on Potato (Solanum sp.) growing in Assiut Governorate (Upper Egypt). 2016.

International Journal of Virology Studies & Research ,P. 29-33.

43- Osama A. Abdalla*, Amal I. Eraky, Safynaz A. Mohamed, F. G. Fahmy. 2016. Phylogenetic Analysis of Potato Virus Y (PVY) Isolate from Upper Egypt Proves the Widespread of PVYNTN Strain Casing PTNRD Disease in Egypt 2016. Annals of Virology and Research, p.1-14.

44- Safynaz A. E. Mohamed and F.G.Fahmy . 2016 . Vaccination of potato plants against Alfalfa mosaic virus (AMV) by using mild strain vaccine of Potato virus Y in Upper Egypt. The 6th International Conference of Virology ,November 29- December 2,2016 Hurghada ,Egypt .

45- **Safynaz A. E. Mohamed and F.G.Fahmy . 2016 .** Lemon grass Cmbopogon citratus as host plant for cucumber mosaic virus (CMV) in Upper Egypt. The 6th International Conference of Virology ,November 29- December 2,2016 Hurghada ,Egypt .

M. Sc. Thesis (Studies on crown – gall disease caused by Agrobacterium tumefaciens .

Ph.D. Thesis (Methodical aspects to obtain and reproduce free- virus potato meristems.