

## **CURRICULUM VITAE**

of

**Dr. Yaser Mohamed Hafez**

**Associate Professor of Plant Pathology**

**Deputy Director of International FLDC for North Africa and Middle East**

**Deputy Director of Plant Pathology and Biotechnology Laboratory**



### **PERSONAL DETAILS**

Name : Yasser Mohamed Hafez  
Date of birth : 11/04/1973.  
Nationality : Egyptian (**European residence**).  
Marital Status : Married  
Address in Home Country : Dept. of Plant Pathology, Faculty of Agriculture,  
Kafrelsheikh University, Egypt.

### **COURSES AND QUALIFICATIONS**

#### **In Egypt:**

|    | <b>Name of courses</b>                             | <b>Time</b>       | <b>Place</b>                         |
|----|--|-------------------|--------------------------------------|
| 1  | Professional Ethics                                | 3-5 Sept. 2005    | FLDP Tanta University                |
| 2  | Thinking Skills                                    | 12-15 Sept. 2005  | FLDP Tanta University                |
| 3  | New Trends in Teaching                             | 17-20 Sept. 2005  |                                      |
| 4  | Communication Skills                               | 1-4 Oct. 2005     |                                      |
| 5  | Scientific Research Management                     | 18-20 March 2006  |                                      |
| 6  | Decision Making and Problem-Solving                | 1-3 April 2006    |                                      |
| 7  | Teaching Assessment                                | 19-21 Sept. 2006  | FLDP Kafrelsheikh University         |
| 8  | Quality in Teaching Process                        | 23-25 August 2008 | University                           |
| 9  | Self Assessment for Higher Education Organizations | 22-26 August 2010 | NAQAAE- FLDC Kafrelsheikh University |
| 10 | Scientific Conferences Organization                | 14-16 Dec. 2010   | FLDC Kafrelsheikh University         |
| 11 | Train of Trainers (TOT1)                           | 23-27 Feb. 2011   | NCFLD- Ministry of Higher Education  |
| 12 | Credit Hours System                                | 26-28 July 2011   | FLDC Kafrelsheikh University         |

#### **In Europe:**

|   | <b>Name of Courses</b>          | <b>Time</b>      | <b>Place</b>        |
|---|---------------------------------|------------------|---------------------|
| 1 | Time and Conference Management  | 16-18 July 2009  | Zurch, Switzerland  |
| 2 | Strategic Planning              | 5-8 Oct. 2009    | Geneva, Switzerland |
| 3 | Leadership Skills               | 9-12 Nov. 2009   | Vienna, Austria     |
| 4 | Technological Teaching Skills   | 7-9 Dec. 2009    | Bonn, Germany       |
| 5 | Quality in the Teaching Process | 10-12 Dec. 2009  | Bonn, Germany       |
| 6 | Training of Trainers (TOT 1)    | 4-11 Jan. 2010   | Istanbul, Turkey    |
| 7 | Teamwork Management             | 15-18 Feb. 2010  | Istanbul, Turkey    |
| 8 | Training of Trainers (TOT 2)    | 15-20 March 2010 | Istanbul, Turkey    |
| 9 | Quality management              | 5-8 April 2010   | Brussels, Belgium   |

### **Specific Courses**

|   | <b>Name of Courses</b>                       | <b>Time</b>             | <b>Place</b>   |
|---|--|-------------------------|--|
| 1 | Computer Managaement                         | April 1997              | Tanta University , Faculty of Busseness  |
| 2 | Internet Skills                              | 1998-2000               | Tanta University, Information Center   |
| 3 | University Teacher Preparation               | September 1997          | Tanta University, Faculty of Education   |
| 4 | English Course                               | 3 Feb.- 7 April 2001    |  |
| 5 | Greenhouse and Plant Protection              | 13-22 Sept. 1994        | Tanta University, Faculty of Agriculture, Kafrelsheikh and Ide Center, Netherlands |
| 6 | Horticulture Crops Production and Protection | 6-11 Sept. 1997         |  |
| 7 | Database (Publisher)                         | 28 August- 8 Sept. 2010 | Information and Development Center Kafrelsheikh University                         |
| 8 | Front Page                                   |                         |  |
| 9 | Macromedia Flash                             |                         |  |

### **Trainer:**

**Training several training courses such as:**

|   | <b>Name of Courses</b> | <b>Time</b> | <b>Place</b>   |
|---|------------------------|-------------|--|
| 1 | Strategic Planning     |             | FLDC Kafrelsheikh University   |
| 2 | Communication skills   |             |  |
| 3 | Time management        |             |  |
| 4 | Conference management  |             |  |
|   |                        |             | Administrative staff   |
|   |                        |             | Staff member (Administrator-lecturer- Associate Professor) of the University |

### **EDUCATION AND QUALIFICAIONS**

1979 – 1985 : Primary School.  
1985 – 1988 : Preparatory School.  
1988 – 1991 : Secondary School.  
1991 – 1995 : Dept. of Plant Botany (Plant Pathology),  
Faculty of Agriculture, Tanta University, Egypt.  
Grade : I was granted the degree of B.Sc. in Agricultural  
Sciences with grade “ **Excellent with Honour grade**”  
Subjects : Plant Pathology.  
1995 – 1996 : Service in the Egyptian Army.  
1996 – 1999 : MSc. Degree in Plant Pathology, Tanta University, Egypt.  
MSc. Thesis Title : “Biological Control and Serological Studies in *Ralostonia solanacearum* the causal  
agent of Potato Brown Rot Disease in Egypt”  
2001 – 2005 : Scholarship from Hungarian Ministry of Higher Education (MOB) to study PhD in  
Plant Protection Institute, Hungarian Academy of Sciences.  
2005 : **Ph. D. Degree with 100%** in Plant Pathology and Pathophysiology  
from Szent Istvan University, Gödöllő, Hungary.  
PhD. Thesis Title : “ Biochemical and Molecular Studies on the Role of Reactive Oxygen Species and  
Antioxidants in Plant Disease Resistance”  
2005, July 28 : Assistant Professor of Plant Pathology..  
2010, August 23 : Associate Professor of Plant Pathology.  
2010, October 15 : Deputy Director of Faculty for Leadership Development Center (FLDC).  
2011, April 2 : Deputy Director of Plant Pathology and Biotechnology Laboratory.  
2011- Oct. : Consultant in the Industrial and Mining projects Authorities belong to  
Ministry of Industry and Foreign Trade.

### **CAREER HISTORY AND EXPERIENCES**

- 1- Training in plant protection in Turkey (Sept. 30 to Oct. 17, 1993).
- 2- Teaching (Demonstrator) these courses: Microbiology and Plant Pathology courses (Fungi, Bacteria, virus and Nematode), Faculty of Agriculture, Tanta University, Kafr El-Sheikh, Egypt (Sept., 1995 to Nov., 1999).
- 3- Participated in two International training courses in Egypt (2 weeks) in the field of Plant Protection, organized by the Innovation and Practical Training Center of Plant Production (ICP-Plant) Ede, The Netherlands.
- 4- Assistant Lecturer, Faculty of Agriculture, Tanta University, Kafr El-Sheikh, Egypt (Nov., 1999 to Nov., 2001).
- 5- Teaching practical subjects (1990 to 2001).
- 6- Supervisor in the scientific club belongs to the Ministry of youth and sports for 2 years (2000-2001).
- 7- Researcher in the Dept. Plant Pathophysiology, Plant Protection Institute, Hungarian Academy of Sciences, Hungary (Nov., 2001 to June, 2005).
- 8- Lecturer in the Dept. of Plant Botany (Plant Pathology)., Faculty of Agriculture, Kafr El-Sheikh, Egypt (June, 2005 to Sept., 29, 2006).
- 9-Teaching courses of Plant Pathology, Microbiology and Bacteriology, Bacterial, Fungal and Viral Diseases (1996-2001; 2005-2006-2010).
- 10- Associate professor of Plant Pathology (26 August 2010).
- 11- Supervisor of two MSc. and one PhD students.
- 12- Deputy Director of Plant Pathology and Biotechnology Laboratory (2 of April 2011).

### **ACHIEVEMENTS**

- 1- I was awarded Bsc., MSc. and PhD. Degrees and Associate Professor in Plant Pathology.
- 2- One of the editors of the Egyptian book in English and Arabic entitled: Photographic Atlas in Plants. Part I Systematic Botany (2001).
- 3- Awarded from Free Radical Society UK, in the Free Radical Congress in Germany 2003 (the best researcher between 80 Counties in all over the World).
- 4- Member of the scientific team **who discover the Microcyclic conidiogenesis** in the powdery mildews (published online in European Journal of Plant Pathology 2010).
- 5- A warded from Kafrelsheikh University three times 2008/2009- 2009/2010 and 2010/2011 for scientific publishing in Impact Factor Journals and International Journals.

6- Suggested to be in the scientific committee from the Vice president of the International Federation of Inventors' Associations (IFIA) since Jan. 2011.

#### **MEMBERSHIP OF SCIENTIFIC SOCIETIES AND COMMITTEES:**

- 1- Egyptian Society of Plant Pathology (Egypt).
- 2- Hungarian Plant Biology Society (Hungary).
- 3- Scientific Society for environment protection (Kafrelsheikh University, Egypt).
- 4- International Society of Free Radical Research (UK).
- 5- Hungarian Plant Protection Society (Hungary).
- 6- The American Phytopathological Society (APS) in USA.
- 7- European Organization of Quality in Hungary (EOQ MNB).
- 8- Member of the TNA (Training Need Analysis) committee of the University Staff, Leadership and Administrative staff in Kafrelsheikh University since October 2010.
- 9- Member of the International FLDC committee in Kafrelsheikh University since August 2011.
- 10- Member in the Library committee in Fac. of Agric. KFS University since Sept. 2010.
- 11- Member in the Arab Society of Biotechnology 2011.

#### **MEMBERSHIP OF SOCIAL COMMUNITIES:**

- 1- Member in the board of the Egyptian community in Hungary.
- 2- Secretary of the Egyptian community in Hungary during 2010-2011.
- 3- Represents the researchers and Universities professors in the Egyptian community in Hungary.
- 4- Member in the Arab community in Hungary.
- 5- Member in Kafrelsheikh Sport club.
- 6- Member in Kafrelsheikh University Staff Club.
- 7- Member in the Community of staff members of Kafrelsheikh University.

#### **RESEARCH VISIT:**

- 1- Research visitor to Plant Protection Institute, Hungarian Academy of sciences, Budapest, Hungary 24 of Dec. 2010- 9 of Jan 2011.
- 2- Visitor to European Organization of Quality, Budapest, Hungary for one day during 24 of Dec. 2010- 9 of Jan 2011.
- 3- Participate of the International meeting with the president of the Hungarian Universities Council under the hospitality of Egyptian Embassy in Budapest, Hungary for one day during the period 24 of Dec. 2010- 9 of Jan 2011.
- 4- Research visitor to Plant Protection Institute, Hungarian Academy of sciences, Budapest, Hungary 2 of July. 2011- 8 of July 2011.

#### **SCIENTIFIC PROJECTS MEMBERSHIP:**

##### **● Before obtaining PhD degree in Hungary:**

1. A study of molecular mechanisms involved in systemic acquired resistance. By the Hungarian Scientific Research Fund (OTKA). OTKA Project No. T042801 (2002-2005).
2. Gene expression on the level of mRNA in plants and its connection with viral and herbicide resistance. Project No. OTKA T037341 (2002-2004).
3. Pathological, biochemical and molecular mechanisms of the general, non-specific resistance of plants. Project No. OTKA Ts 040835 (2002-2004).
4. Breeding of corn with high antioxidant capacity by in vitro selections which are resistant to stresses and infections. Project No. OTKA T037391 (2002-2005).

##### **● After obtaining PhD degree in Hungary:**

- 5- EU-INCO Project of the 5th Framework entitled "Sustainable production of apple and pear in Asia: understanding biology of scab and powdery mildew for developing integrated approaches of disease management " (2001- 2006).
- 6- National project sponsored by (OTKA) entitled " Integrated control of common ragweed (*Ambrosia artemisiifolia*) with special regards to fungal biocontrol agents" (2004-2007).

- 7- Application of plant resistance forms for immunizing plants against pathogenic infections and for breeding disease resistant transgenic crops. Project No. OTKA AT048866 (2005-2009).
- 8- Prooxidant and antioxidant plant genes in non-host resistance-functional identification by gene silencing. Project No. OTKA K 061498 (2009-2010).
- 9- Role of reactive oxygen species in limiting viral and fungal pathogens in resistant plants. Project No. OTKA K 77705 (2009-2012).

• **In Egypt:**

- 10- (New strategies to improve grain legumes for food and feed, GLIP-FP6)  
[http://www.grainlegumes.com/aep/press\\_area/glip\\_extended\\_to\\_non\\_eu\\_countries](http://www.grainlegumes.com/aep/press_area/glip_extended_to_non_eu_countries)  
 10 December 2006- 10 Feb. 2008 (52000 Euro).
- 11- Antioxidant in Oat for human feed and their uses as plant disease factors (www.aeci.es)  
 18- Jan. 2008- 18 Jan. 2010 (10000 Euro , Spain)
- 12- Consolidation of an inter University net for researchers, farmers and technicians on new approaches for crop protection and plant breeding for a sustainable production of cereals and legumes for human food and animal feeding. From 18 Jan. 2008- 18 Jan. 2011 (175000 Euro, Spain).
- 13- Member of Plant Pathology and Biotechnology Laboratory for Accreditation project (18 Months begin from 2011- April- 02 with 1 200 000 EGB fund.
- 14- Member in the CIQAP project of the Faculty of Agriculture, for two years to got the Accreditation from NAQAEE, Egypt.
- 15- Member in the graduated students Unit in Faculty of Agriculture, KFS University (2010).

### **LIST OF PUBLICATIONS**

• **During the M.Sc. in Egypt:**

- Hafez YM (1999) Biological Control and Serological Studies on *Ralstonia solanacearum* the Causal Agent of Potato Brown Rot Disease In Egypt. M.Sc. Thesis, Tanta University, Egypt, Pp. 1-80.
- Mehiar F, El-Kady S, Gabr MA, Hafez YM (2000) Serological differences between virulent isolates and avirulent mutants of *Ralstonia solanacearum*. J. Agric Res. Tanta University. 26: 122-131.

• **Before and after the Ph.D. in Hungary:**

**I- Publications in Reviewed International and National Journals:**

- 1- Bacso R, Hafez YM Király Z and Király L (2011) Inhibition of virus replication and symptom expression by reactive oxygen species in tobacco infected with *Tobacco mosaic virus*. Acta Phytopathol. Entomol. Hung. 46 (1): 1-10.
- 2- Kiss L, Pintye A.; Zseli G.; Jankovics T, Szentivanyi O, Hafez YM, Cook RT (2010) Microcyclic conidiogenesis in powdery mildews and its association with intracellular parasitism by *Ampelomyces*. European Journal of Plant Pathology, 126: 445-451.
- 3- Hafez YM (2010) Control of *Botrytis cinerea* by the Resistance Inducers Benzothiadiazole (BTH) and Hydrogen Peroxide on White Pepper Fruits under Postharvest Storage. Acta Phytopathol. Entomol. Hung. 45 (1): 13-29.
- 4- Hafez YM (2009) Induction of systemic acquired resistance against tobacco mosaic virus by local inoculation and benzothiadiazole. Egyptian Journal of Plant Pathology. 37 (2): 1-19.
- 5- Hafez YM, Király Z and Manninger K (2009) Hydrogen peroxide has a key role in resistance to leaf rust (*Puccinia triticina*) in several Egyptian and other wheat cultivars. Cereal Research Communications, 37: 161-164.
- 6- Hafez YM (2008) Effectiveness of the antifungal black seed oil against powdery mildews of cucumber (*Podosphaera xanthii*) and barley (*Blumeria graminis* f.sp. *hordei*). Acta Biologica Szegediensis, 52 (1): 17-25.
- 7- Hafez YM, Bayoumi YA, Pap Z and Kappel N (2008) Role of hydrogen peroxide and Pharmaplant-turbo against cucumber powdery mildew fungus under organic and inorganic production. International Journal of Horticultural Science, 14 (3): 39-44.
- 8- Király L, Hafez YM, Fodor J and Király Z (2008) Suppression of TMV-induced HR-type necrotisation in tobacco at high temperature is associated with down-regulation of NADPH oxidase and superoxide and stimulation of dehydroascorbate reductase. J. Gen. Virol. 89: 799-808.

- 9- Künstler A, Hafez YM and Király L (2007) Transient suppression of a catalase and an alternative oxidase gene during virus-induced local lesion formation (hypersensitive response) is independent of the extent of leaf necrotization. *Acta Phytopathol. Entomol. Hung.* 42, 185-196.
- 10- Bayoumi YA and Hafez YM (2006) Effect of organic fertilizers combined with benzo (1,2,3) thiadiazole-7-carbothioic acid S-methyl ester (BTH) on the cucumber powdery mildew and the yield production. *Acta Biologica Szegediensis*, 50 (3-4):131-136.
- 11- Pogany M, Harrach B, Hafez YM, Barna B, Kiraly Z and Paldi E (2006) Role of reactive oxygen species in abiotic and biotic stresses in plants. *Acta Phytopath. Entomol. Hung.*, 41: 23-35.
- 12- Belal E, Hafez YM and El-Kot G (2006) Management of post-harvest diseases of navel orange fruits during storage in Egypt. *J. Agric Res. Tanta University*. 32: 259-272.
- 13- El-Zahaby HM, Hafez YM, Király Z (2004) Effect of reactive oxygen species on plant pathogens in planta and on disease symptoms. *Acta Phytopath. Entomol. Hung.*, 39: 325-345.
- 14- Hafez YM, Fodor J, Király Z (2004) Establishment of systemic acquired resistance confers reduced levels of superoxide and hydrogen peroxide in TMV-infected tobacco leaves. *Acta Phytopath. Entomol. Hung.*, 39: 347-359.
- 15- Czalleng A, Bozsó Z, Ott PG, Besenyi E, Varga GJ, Szatmári Á, Hafez YM, Klement Z (2004) Isolation of *in planta*-induced genes of *Pseudomonas viridiflava*. *Acta Phytopath. Entomol. Hung.*, 39: 361-375.
- 16- Hassan F, Schmidt G, Hafez YM, Pogány M, Ankush J (2004) 1-MCP and STS as ethylene inhibitors for prolonging the vase life of carnation and rose cut flowers. *International Journal of Horticultural Science*, 4: 101-107.
- 17- Hafez YM, Király Z (2003) Role of hydrogen peroxide in symptom expression of barley susceptible and resistant to powdery mildew. *Acta Phytopath. Entomol. Hung.*, 38: 227-236.
- 18- Mehیار F, El-Kady S, Gabr MA, Hafez YM (2000) Serological differences between virulent isolates and avirulent mutants of *Ralstonia solanacearum*. *J. Agric Res. Tanta University*. 26: 122-131.

#### **II- Publications in Conference Proceedings:**

- 1- Király Z and Hafez YM (2007) Role of Prooxidants and Antioxidants in Controlling some Plant Diseases. 11<sup>th</sup> Congress of Phytopathology, Giza, Egypt, Pp. 289-298.
- 2- Hafez YM (2007) The mode of action of black seed oil from *Nigella sativa* against powdery mildews of barley and cucumber comparing to other plant oils. 11<sup>th</sup> Congress of Phytopathology, Giza, Egypt, Pp. 311-322.
- 3- Hafez YM, Künstler A and Király L (2007) Early accumulation of superoxide (O<sub>2</sub><sup>-</sup>) in infected plants exhibiting non-host resistance. 11<sup>th</sup> Congress of Phytopathology, Giza, Egypt, Pp. 283-287.
- 4- Hafez YM and Bayoumi YA (2007) Control of cucumber powdery mildew by spraying hydrogen peroxide and Pharmaplant-turbo under organic and conventional production of cucumber. 11<sup>th</sup> Congress of Phytopathology, Giza, Egypt, Pp. 299-310.
- 5- Király L, Hafez YM, Fodor J, and Király Z (2005) Induction of hypersensitive necrosis at high temperatures by generation of reactive oxygen forms in virus resistant tobacco. Proceedings of the 8<sup>th</sup> Hungarian Congress on Plant Physiology and the 6<sup>th</sup> Hungarian Conference on Photosynthesis, *Acta Biologica Szegediensis*, 49: 85-87.
- 6- Künstler A, Fodor J, Hafez YM, Király Z and Hevesi M (2005) Relationship between H<sub>2</sub>O<sub>2</sub> - detoxification, tolerance to H<sub>2</sub>O<sub>2</sub> and virulence of some phytopathogenic bacteria. Proceedings of the 8<sup>th</sup> Hungarian Congress on Plant Physiology and the 6<sup>th</sup> Hungarian Conference on Photosynthesis, *Acta Biologica Szegediensis*, 49: 89-90.
- 7- Hafez YM, Király Z (2003) Role of hydrogen peroxide in symptom expression and in plant immunization. Proc. 3<sup>rd</sup> Int. Plant Protection Symposium at Debrecen University. (ed. by G.J. Kövics), Pp. 72-78.
- 8- Hafez YM, Fodor J (2003) The effect of black seed oil from *Nigella sativa* against the powdery mildew disease caused by *Blumeria graminis* f.sp. *hordei*. Proc.3<sup>rd</sup> Int. Plant Protection Symposium at Debrecen University. (ed. by G.J. Kövics), Pp. 72-78.

- 9- Hafez YM, Fodor J, Király L, Király Z (2003) Role of reactive oxygen species (ROS) and antioxidants in necrotization of tobacco leaves resistant to tobacco mosaic virus. In: the 4<sup>th</sup> Int. Conf. of PhD Students, Agriculture, Univ. Miskolc, Hungary, Pp. 67-72.
- III- Publications (abstracts) in Conference Proceedings:***
- 1- Király, L., Hafez, Y.M., Bacsó, R., Künstler, A. And Király, Z. (2011): Resistance to disease symptoms induced by pretreatment with low concentrations of H<sub>2</sub>O<sub>2</sub>. 10<sup>th</sup> International conference on reactive oxygen and nitrogen species in plants. July 5-8, Budapest, Hungary. Page 241.
  - 2- Hafez, Y. M., (2011): Role of superoxide radical produced by riboflavine L-methionine against tobacco mosaic virus infection. 12 congress of phytopathology, 3-4 May, Giza, Egypt. Page21.
  - 3- Hafez, Y. M., Abd El-Aal. Kh. A. A., El-Baghdady, N. A. and Omar, A. F. (2011): Role of reactive oxygen species (ROS) in non-host resistance against phytopathogens. 12 congress of phytopathology, 3-4 May, Giza, Egypt. Page21.
  - 4- Hafez, Y. M., Abd El-Aal. Kh. A. A., El-Baghdady, N. A. and Omar, A. F. (2011): Role of reactive oxygen species (ROS) in non-host resistance against phytopathogens. Saudi Biological Society, Twenty sixth seminar, Climate changes and biological diversities. 10-12 May. Al-Taef, Kingdom of Saudi Arabia.
  - 5- Hafez, Y. M. and El-Baghdady, N. A. (2011): Role of superoxide radical and hydrogen peroxide induced by riboflavineL-methionine and benzothiadiazole against barley powdery mildew fungus. Molecular Basis of Plant Stress. 21-23 September. Varna, Bulgaria. Abstract, p. 58, poster p-19.
  - 6- Király L, Hafez YM, Künstler A (2009) Enhanced superoxide (O<sub>2</sub><sup>-</sup>) accumulation during plant non-host resistance to biotrophic fungal pathogens. SFRR Plant Oxygen Group Meeting on Reactive Oxygen and Nitrogen Species, Helsinki, Finland. Abstract, p. 107, poster P-311.
  - 7- Bacso R, Hafez YM, Künstler A, Király L (2009) Induction of certain defense-associated genes is dampened during immunization of tobacco with hydrogen peroxide against localized viral symptoms. 4<sup>th</sup> Conference of polish Society of Experimental Plant Biology, Poznan, Poland. Abstract, p. 30, poster 2.8.
  - 8- Künstler A, Hafez YM and Király L (2008) Enhanced superoxide (O<sub>2</sub><sup>-</sup>) accumulation during plant non-host resistance 18-th Plant Protection Forum, Keszthely, Hungary, Abstract, p. 15., (in Hungarian).
  - 9- Király L, Künstler A and Hafez YM (2008) Alternative oxidase genes can be transiently suppressed during local lesion formation in different plant-virus interactions. First International AOX Symposium, Évora, Portugal. Abstract, p. 46.
  - 10- Künstler A, Hafez YM and Király L (2007) Role of superoxide (O<sub>2</sub><sup>-</sup>) plant non-host resistance. 4<sup>th</sup> Congress of the Hungarian Society for Free Radical Research Pécs, Hungary, Abstract. Folia Hepatologica 11(Suppl. 3), 25.
  - 11- Király Z and Hafez YM (2007) Prooxidants and antioxidants in specific and non-specific plant disease resistance. 4<sup>th</sup> Congress of the Hungarian Society for Free Radical Research Pécs, Hungary, Abstract. Folia Hepatologica 11(Suppl. 3), 23.
  - 12- Király Z, Hafez YM, Künstler A, Fodor J, and Király L (2006) Prooxidants and antioxidants in specific and non-specific plant disease resistance. Non-specific plant disease resistance. Symposium on Non-specific and Specific Innate and Acquired Plant Resistance, Budapest, Hungary, Aug. 31-Sept.3 Abstr. p.34.
  - 13- Király L, Hafez YM, Fodor J and Király Z (2006) Suppression of virus multiplication in Tobacco mosaic virus-resistant tobacco is associated with ambient temperatures but independent of HR-type necrotization induced by reactive oxygen species. 15<sup>th</sup> Congress of the Federation of European Societies of Plant Biology, Lyon, France. Abstract, p. 142, poster MIC01-037.
  - 14- Fodor J, Künstler A, Hafez YM, Király Z (2005) Antioxidant capacity and virulence of phytopathogenic bacteria. National Plant Protection Symposium, Budapest, Abstr. p.42.
  - 15- Hafez YM, Király Z (2004) Immunization of tobacco leaves with hydrogen-peroxide against oxidative stress caused by virus, bacterium and fungus infections. National Plant Protection Symposium, Budapest, abstr. p. 83.

- 16- Király L, Hafez YM, Fodor J, Király Z (2004) Role of prooxidants and antioxidants in natural and INA-induced powdery mildew resistance of barley leaves. Int. Joint Workshop on PR-Proteins and Induced Resistance. Risø, Denmark, abstr. p. 119.
- 17- Király L, Ott P, Hafez YM, Cole AB, Schoelz JE (2004) Enhanced resistance to virus-and bacteria-induced necrotization and increases in salicylic acid and antioxidants are correlated with temporal expression of pathogenesis-related protein 1 (PR-1) in *Nicotiana edwardsonii* var. *columbia*. 14<sup>th</sup> FESPB Int. Congress, Cracow, Poland. Acta Physiologiae Plantarum. Abstr. p. 262.
- 18- Hassan F, Schmidt G, Hafez YM, Pogány M (2004) Effect of 1-methylcyclopropene (1-MCP) and silver thiosulfate (STS) on the vase life, ethylene production, chlorophyll and carbohydrate contents of carnation and rose cut flowers. Int. Conf. on Horticulture Post-graduate (PhD.) Study System and Conditions in Europe. Lednice, Czech Republic. Abstr. Pp. 22-23.
- 19- Hafez YM, Király L, Fodor J, Király Z (2004) Immunization of tobacco with hydrogen peroxide to oxidative stress caused by viral, bacterial and fungal infections. 14<sup>th</sup> FESPB Int. Congress, Cracow, Poland. Acta Physiologiae Plantarum. Abstr. p. 126.
- 20- Hafez YM, Fodor J, Király Z, Király L (2003) Influence of the *N* gene-encoded temperaturedependent hypersensitive necrosis in virus-infected tobacco. National Plant Protection Symposium, Budapest, abstr. p. 95.
- 21- Hafez YM, Fodor J, Király L, Király Z (2003) Role of reactive oxygen species and antioxidants in TMV-induced necrotization associated with resistance of an *N* gene encoding tobacco. Conference on Plant Stress, Reactive Oxygen and Antioxidants, Freising, Germany. Free Rad. Res., 37 Suppl. 2: 49.
- 22- Fodor J, Hafez YM, Hüchelhoven R, Király Z (2003) An inducer of plant resistance, 2,6-dichloroisonicotinic acid, inhibits dehydroascorbate reductase and superoxide dismutase and enhances H<sub>2</sub>O<sub>2</sub> level in barley leaves. Conference on Plant Stress, Reactive Oxygen and Antioxidants, Freising, Germany. Free Rad. Res., 37 Suppl. 2: 48.

● **Book:**

- 1- Abd El-Daiem K, El-Baghdady N, Hafez YM (2001) A Photographic Atlas in Plants. Part I Systematic Botany. Pp. 1-64.
- 2- Boraei H, Abd El-Daiem K and Hafez YM (2011) Adaptation is the secret of existence in plants and insects. *In press*.
- 3- Hafez, YM, Abd El-Daiem K and Omar, A. F (2012) Atlas of Plant Pathology. *In press*.
- 4- Abd El-Daiem K, Foad, S. A. and Hafez YM (2012) Plant Physiology. *In press*.
- 5- Abd El-Daiem K, Foad, S. A. and Hafez YM (2012) Plant Classification. *In press*.

● **Book chapter:**

Király Z, Hafez YM, Fodor J, Király L (2003) Role of reactive oxygen species in tissue necrotization of resistant tobacco against tobacco mosaic virus infection. In: Plant Life and Stress. Debrecen University, Pp.17-25.

المتقدم

رئيس مجلس القسم

(أ.د. محمد السعيد اب والي)

(أ.د. الشافعي ابراهيم الشافعي)