Curriculum Vitae

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PERSONAL INFORMATION:

Name: **Zahra Ibrahim El-Gali, Ph. D.**

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ACADEMIC QUALIFICATION:

Ph.D. Agriculture Sciences /Agriculture Botany, Alexandria University, Faculty of Agriculture, July 2003, Seed pathology, Thesis title: ″Histopathological and Biochemical studies on *Phaseolus vulgaris* seeds infected by some seed-borne fungi″.

M. Sc. Agriculture Sciences/ Plant Protection, Omer Al-Mukhtar University, Faculty of Agriculture, July 1996, Mycotoxins, Thesis title: ″ Aflatoxin contamination of some seeds crops in Al-Jabale Alakhtar area″.

B. Sc. Agriculture Sciences/ Plant Protection, Omer Al-Mukhtar University, Faculty of Agriculture, July 1991. ″Isolation and Identification causes of strawberry leaf spots″.

PUBLICATION:

Articles in refereed journals:

1- **El-Gali, Z.I. (2008).** Evaluation susceptibility of some chick-pea cultivars to root- rot and damping-off disease caused by *Macrophomina phaseolina* Arab J. Plant Prot., 26: 160-162. (In Arabic).
2- **El-Gali, Z.I. (2008).** A study of strawberry leaf spots in Jabel El-Akhdar area, Libya. Arab J. Plant Prot., 26: 160-162. (In Arabic).

3- **El-Gali, Z.I. (2008).** Control of decay of apple fruits used by Calcium and Sodium chloride salts. Al-Mukhtar J. of Science, 20:97- 111. (In Arabic).
4- **El-Gali, Z.I. (2010).** Cultural, Morphological and Physiological studies on some isolates of *Sclerotinia sclerotiorum*. Libyan J. of Pl. Prot.1: 11-16. (In Arabic).
5- **El-Gali, Z.I. (2011).** Effect of seed infection with fungi on phenol level and defense-related enzymes activity in bean seeds. Persian Gulf Crop Protection 1(1): 44- 51.
6- **El-Gali, Z.I., Mohamed, N.A. and Larbod, A.A. (2012).** Variability in virulence of five isolates of *Botrytis cinerea* on three onion cultivars. J. Plant Prot. and Path., Mansoura Univ., 3(11): 1129-1136. (In Arabic).
7- **El-Gali, Z.I., Mohamed, N.A. and Larbod, A.A. (2012).** The potential role of some plant extracts of antifungal properties against the efficacy of *Trichoderma viride* for controlling gray mold of onion caused by *Botrytis cinerea*. J. Plant Prot. and Path., Mansoura Univ., 3(11): 1157-1163.
8- **El-Gali, Z.I., Mohamed, N.A. and Larbod, A.A. (2012).** Evaluation of the efficiency of two antioxidants and growth regulators against *Botrytis cinerea* J. Plant Prot. and Path., Mansoura Univ., 3(11): 1121-1127. (In Arabic).
9- **El-Gali, Z.I. (2012)**. Studies on the seed transmission of *Fusarium solani* f. sp. *phaseoli* in Bean. . Libyan J. of Pl. Prot., 1(2): 63- 76. (In Arabic).
10- **Larbod, A.A., El-Gali, Z.I. and Mohamed, N.A. (2012).** Detection and Identification of Fungi and Bacteria onion rot after harvesting. Libyan J. of Pl. Prot., 2(1): 94- 104. (In Arabic).
11- **El-Gali, Z.I. (2012).** Role of Rhizobacteria in suppression of Rhizoctonia root- rot disease of bean. Persian Gulf Crop Protection 1(6): 33- 40.
12- **El-Gali, Z.I., Mohamed, N.A. and Larbod, A.A. (2013).** Role of auxins and antioxidants in infection lessening with grey mold on onion. Al-Mukhtar J. of Science 28 (1): 117-109. (In Arabic).
13- **El-Gali, Z.I. (2014).** Comparison of natural soil sterilization methods and their effects on soil inhabitant fungi. Nature and Science 12(4): 72-78.
14- **El-Gali, Z.I.; Abdullrahman, E.M. and , Obeady, N.A. (2014).** Isolation and identification of airborne fungi in Indoor/Outdoor of Home in El-Beida City (Libya). Int. J. Adv. Res., 2(5): 835-843.
15- **El-Gali, Z.I. (2014).** Detection of fungi associated with some spices in original form. Global Journal of Scientific Researches. 2(3): 83-88.
16- **El-Gali, Z.I. and Abdullrahman, E.M. (2014).** Distribution of some molds in the atmospheric air of El-Beida city, Libya. Int. J. Innov. Appl. Res. 2(6):1-7.
17- **El-Gali, Z.I. and Abdullrahman, E.M. (2014).** Seasonal Distribution of Indoor and Outdoor Fungi in the Air of El-Beida city, Libya. New York Science Journal, 7(6): 94-100.
18- **El-Gali, Z.I. and Abdullrahman, E.M. (2014).** First Report About The Atmospheric Fungi in El-Beida City, Libya. Researcher 6(6):83-89.

19- **El-Gali, Z.I. and Abdullrahman, E.M. and , Obeady, N.A. (2014).** Monthly and Seasonal Distribution of dustborne fungi in atmospheric of El-Beida city (Libya). Research Journal of Applied Sciences 9(9): 603-608.
20- **El-Gali, Z.I. and Abdullrahman, E.M. (2014).** Airborne and dust borne in the atmospheric air of El-Beida city, Libya. International Journal of Research Studies in Biosciences, 2(5): 30 – 37.
21- **El-Gali, Z.I. (2014).** First report of *Gymnosprangium cornutum* stem rust on *Juniper phoenicia* in Libya. American Journal of Research Communication. 2(8): 297-300.
22- **El-Gali, Z.I. (2014).** *Alternaria alternata* isolated from lemons (*Citrus lemon*) in Libya. European Journal of Academic Essays 1(9): 20-23.
23- **El-Gali, Z.I. (2014).** Control of *Penicillium digitatum* on orange fruits with calcium chloride dipping. Journal of Microbiology Research and Reviews, 2(6): 54-61.
24- **El-Gali, Z.I. (2014).** The Causative of Leaf Spot on Carob: Isolation and Identification. Persian Gulf Crop Protection, 3(4): 1-9.
25- **Mohamed, N.A., El-Gali, Z. I. and Akila, A. A. (2014).** First Record Of *Pythium oligandrum* from Libya Soli, Persian Gulf Crop Protection, 3(1): 79-86.
26- **El-Gali, Z.I., Mohamed, N.A. and Larbod, A.A. (2015).** Effective of some plant aqueous extracts and *T. viride* filtrate in controlling grey mold of onion after harvesting. Arab J. Plant Prot. 33(1): 60- 65.
27- **El-Gali, Z.I. (2015).** Seed-borne fungi of bean (*Phaseiolus vulgaris*) detection, pathogenicity and biological control. Int. J. Nano. Corr. Sci. Eng. 2(1): 33- 41.
28- **El-Gali, Z.I. (2015).** Antagonism capability in vitro of *Trichoderma harzianum* against *Alternaria alternata* on *Ceratonia siliqua*. EJPMR 2(2): 30- 44.
29- **El-Gali, Z.I. (2015).** The use of *Trichoderma harzianum* KRL- AG2 to control of some pathogenic fungi in vitro. Danish Journal of Agriculture and Animal sciences 6: 6-10.
30- **El-Gali, Z.I. and El-Zahaf, B.S. (2015).** Symptomatology of *Alternaria alternata ceratoni* blight of carob (*Ceratonia siliqua* L.) in adjoining areas for El-Beida city, Libya. Sky J. of Microbiol. Res., 30 – 35.
31- **El-Gali, Z.I. (2015).** Mycotoxins produced by *Alternaria alternata* isolated from *Ceratonia siliqua* leaf spot. World J. of Pharmaceutical and Life Sci., 1(2): 57-62.
32- **El-Gali, Z.I. (2015).** Influence of seeds and roots extracts and exudates of bean plant on growth of some pathogenic fungi. Open Access Library Journal, 2: 1-10.
33- **El-Gali, Z.I. (2015).** Efficacy of two fungicides against some soil and seed borne fungi. Ewemen Journal of Microbial Research, 1(1): 1- 8.

34- **El-Gali, Z.I. (2015).** *Trichoderma harzianum* as a root treatment to control *Alternaria alternata ceratoni* leaf spot on *Ceratonia siliqua* L. Sky Journal of Agriculture Research, 4(8): 161- 166.
35- **El-Gali, Z.I. (2015).** Bioactivity of *Eugenia earyophllata* essential oil against fungi, *Aspergillus flavus* and *Aspergillus parasiticus* International Journal of Chemical, Material and Environmental Research. 2 (4): 46-51.
36- **El-Gali, Z.I. (2016).** Antifungal activity of some essential oils on fungal growth and aflatoxin production. International Journal of Phytopharmacy Research. 7(1): 13-17.
37- **El-Gali, Z.I. (2016).** First record of *Pestalotiopsis* spp. from affected leaves of mastic shrubs (*Pestacia lentiscus* L.) in northeastern of Libya. Int. J. of Bioassay 58: 4744- 4749.
38- **El-Gali, Z.I. (2016).** Evaluation of some common bean varieties for resistance against some seed-borne fungi. European Journal of Environmental Ecology, 2(4): 29-34.
39- **El-Gali, Z.I. (2016).** Isolation and identification of fungi associated with fruits sold in local markets. IJRSB., 4(11): 61- 64.
40- **El-Gali, Z.I. and Mohamed, M.S. (2017).** Sooty mold on lemon trees– first recording from El-Beida city, Libya. Review of Plant Studies, 4(1): 1-7.
41- **El-Gali, Z.I. (2017).** Incidences of fungal leaf diseases on mastic shrubs in Libya. International Journal of Research Studies in Biosciences. IJRSB, 5(8): 1-5.
42- **El-Gali, Z.I. (2017).** Effect of some ecological factors on growth of *Pestalotiopsis* spp. isolated from mastic shrubs leaves. Journal of Advanced Botany and Zoology, 5(3): 1- 5.
43- **El-Gali, Z.I. and Hamad, A.M. (2017).** Fungi associated with postharvest fruit rots of orange in local market of El-Beida city, Libya. Journal of Advanced Botany and Zoology, 5(4): 1- 4.
44- **El-Gali, Z.I., Elssaunossise, O.M. and Khlifa, H.A.(2018)** Studies on *Alternaria* and *Pestalotiopsis* fungi casing foliar diseases of *Pistacia lentiscus* in some locales at mid region of Al-Jabal Al-Akhdar. Al-Mukhtar J. of Science, 33(1): 18-25. (In Arabic).
45- **Lashger, I.M., El-Gali, Z.I. and Khalifa, H.A. (2018).** Isolation and identification of seed borne fungi in dry bean and determination of their location in seed . Al-Mukhtar J. of Science, 33(1): 11-17. (In Arabic).
46- **El-Gali, Z.I. and Hypa, N.M. (2018).** The efficiency inhibition for extracts and powders of three medical plants against *Sclerotinia sclerotiorum*. Journal of Arab American University, 4(2): 1-22. (In Arabic).
47- **El-Gali, Z.I. (2018).** Evaluation of some plant extracts and powders in control of bean damping-off by *Sclerotinia sclerotiorum*. Agriculture and Food Sciences Research, 5(1): 47-51.
48- **El-Gali, Z.I. (2018).** Antifungal Activity of Essential Oils from Some Medicinal Plants against Green Mold (*Penicillium digitatum*). International Journal of Advanced Research in Botany, 4(2):1-5.

49- **El-Gali, Z.I. (2018).** A brief study on *Sclerotinia sclerotiorum*, the cause of post-harvest white mold on some vegetable in Libya. Journal of Advanced Botany and Zoology, 7(1): 1- 3.
50- **El-Gali, Z.I. (2019).** Antifungal Activity of Clove Essential Oil against Green Mold *Penicillium digitatum*. I3 Biodiversity. 4: 1- 8.
51- **Bianco, A.M. and El-Gali, Z.I. (2019).** Control of Green mold (*Penicillium digitatum*) on orange fruits using by clove oil. The Libyan J. of Agric., 24(1): 59 - 71 *(In Arabic).*
52- **El-Gali, Z.I., Abdul-Rauaf, E.G. and El-Wahash, K.A. (2019).** Insects associated with sooty mold disease *Alternaria alternata* On Trees In Omer El-Mukhtar University Periphery– El-Beida- Libya. Syrian Journal of Agricultural Research (SJAR), 412- 426 *(In Arabic).*
53- **Abdul-Rauaff, E.G., El-Gali, Z.I. and El-Wahsh, K.A. (2019)**. Identification of Caused For Sooty Mold Disease On Trees In Omer Al-Mukhtar University Periphery – El-Beida- Libya. Al-Mukhtar J. of Sciences, 34(2): 141- 149. *(In Arabic).*
54- **El-Gali, Z.I. (2020).** Estimation of changes in trees infected with sooty mold disease *Alternaria alternate* – Libya. Journal of Arab American University, 4(1): ..-.. under publication *(In Arabic).*
55- **Abedalrahman, I.M. and El-Gali, Z.I. (2019).** *In Vitro* study for effect of some common disinfectants against *Penicillium* sp. Libyan J. Plant Protection, 9: 76- 84. *(In Arabic).*
56- **El-Kadi, MY. And El-Gali, ZI. (2020).** Isolate and identify of storage fungi in two varieties of peanut (*Arachis hypogaea* L.) and detection their ability for the toxins secretion. Syrian Journal of Agricultural Research 7(3): …- …. *(In Arabic).* Under publishing.
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Submitted paper:

- **Saad, AA. And El-Gali, Z.I. (…).** Studying In Vitro for inhibition of some phytopathogenic fungi by different techniques of *Trichoderma harzianum*

Articles under writing:

1- **El-Gali, Z.I. and El-Wahash, K.A.H. (……).** Diagnosis of Sooty Mold– First Report from El-Beida city, Libya.
2- **Hamed, MM. and El-Gali, ZI. (….).** Isolation and identification of storage fungi associated with corn and peanut seeds.

Master Thesis Supervisor:

1- Larbod, A.A. Alternative safe programs for protecting onion from grey mold causing by *Botrytis cinerea*. M. Sc. Thesis, Omer Al-Mukhtar University. (2013).
2- Abdullrahman, I. M. Airborne and Dust-borne fungi in the atmospheric air of El-Beida in Libya. M. Sc. Thesis, Graduate Studies Academy. (2014).

3- -Zahaff, A.S. Use of *Trichodrema harzianum* to control *Alternaria alternata* leaf spots of carob trees. M. Sc. Thesis, Omer Al-Mukhtar University. (2016).

4- Khlifa H.A. Study of fungal diseases on leaves of mastic shrubs (*Pistacia lentiscus*) at mid region of Al-Jabal Al-Akhdar. (2017).

5- Hayba, N.M. Using of some medical and aromatic plant of El-Jabal Al-Akhdar region against damping-off diseases caused by *Sclerotinia sclerotiorum*.. (2018).

6- Mohamed A. Studying of the efficiency of some aromatic oils for control green mold (*Penicillium digitatum*) on orange fruits rot postharvest. (2018)**.**

7- Abdul-Rawaff, E.H. Studies on sooty mold diseases and their related with insects honeydew (2019).

8- Saad, A.A. Studying of *Trichoderma harzianum* mechanisms against some phytopathogenic fungi. (2019).

9- Younis, M.H. Effect of some technique processing for (*Arachis hypogea* L.) seeds on contamination degree with mold that mycotoxins production.(2019).

10- Khamis, M.M. Role of *Trichoderma harzianum* as an inducer for systemic resistance against mosaic disease in squash plants. (2020).

11- Abdul-Hamead, W.S. Application of *Trichoderma harziunum* as a biofertilizer for controlling bacterial angular leaf spot in cucumber plant. (2020).

12- Hamed, M.M. Detection and detoxification of aflatoxin in corn and peanuts. (2020).

13-

Master Thesis Co- Supervisor:

1- Al-Nabawani, S.: Isolation and Identification of fungi and their toxins association of Barley seeds. M. Sc. Thesis, Omer Al-Mukhtar University. (2010).

2- Akalia, A.A.: Morphological and physiological studies on *Pythium oligandrum.* Graduate Studies Academy. (2013).

Examiners of Master Thesis

1- Studies on Powdery mildew of cucumber in Libya. M.Sc. Thesis, Omer Al-Mukhtar University. (2006).

2- Isolation and identification of fungal rots from pea pods and their control by physical treatment. M.Sc. Thesis, Omer Al-Mukhtar University. (2015).

3- Survey and study of plant parasitic nematodes associated with some cucurbitaceae plants in Al-Jabal Al-Akdar region. (2017).

4- Study of fungal diseases on rose leaves in El-Beida city. (2019).

PROFESSIONAL EXPERIENCE:

1- Workshop on insects of Libya, Omer Al-Mukhtar Univ. 4-6 June 1996.

2- Fifth Arab congress of plant pathology, Lebanon, November 1997.

3- The 3rd International conference of fungi, Cairo, Egypt, OCT. 2002.

4- Programming techniques on Mushroom, Egypt, March 2003.
5- Fifth National biotechnology conference, March, 2009.
6- Programming techniques on Seed Pathology & Health Testing, Omer Al-Mukhtar Univ. 14-24 June 2009.
7- Ten Arab congress of plant pathology, Lebanon, October 2009.
8- Workshop on Pest and Disease of Tomato, Omer Al-Mukhtar Univ. 11-13 July 2010.
9- First Libyan congress of plant pathology, El-Beida, October, 12-13/2010).
10- Second Libyan congress of plant pathology, El-Beida, December , 15-17/2013).
11- Twelve Arab congress of plant pathology, Egypt, October 2007.

Scientific active:

1- Member of Seed Testing Association in Libya.(1994-1997).
2- Member of Arab Society for plant protection. (1994/).
3- Arbitration member of Libyan Journal of Plant Protection.
4- Member of Libyan Arab Society for plant protection. (2009).
5- Reviewer in journal of: *Persian Gulf Crop Protec*. (2011-2013).
6- Arbitration member of Al-Mukhtar Journal of Science.
7- President of Plant Protection Department (1/10/2012- 1/10/2013).
8- Coordinator of higher studies office at Plant Protection (1/5/2015- 1/10/2017).

Certificates and Award:

1- **BEST PUBLISHED RESEARCH AWARD IN THE JOURNAL OF ARAB AMERICAN UNIVERSITY - 2018**

Thanks

Z. I. EL-GALI