



AHMED ISMAIL

NATIONALITY
Egyptian

DATE OF BIRTH
APRIL 24, 1982

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El Emam ELbokhary street,
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9 Gamaa Street. Giza. Egvpt

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9 Gamaa street, Giza, Egypt

GOOGLE SCHOLAR
H-INDEX= 6

NO. OF CITATIONS = 679

NO. OF PUBLICATIONS = 22

Curriculum vitae

QUALIFICATION & EDUCATION

- 2003** • BSc in Plant Pathology (Cum laude) University of Ain Shams-Cairo, Egypt.
- 2007** • Post-graduate Specialization Diploma in Integrated Pest Management of Mediterranean fruit tree crops with grade (Cum Maxima Laude) from CIHEAM –Mediterranean Agronomic Institute, Bari, Italy.
- 2008** • MSc in "Detection, Characterization and Biological Control of soil-borne diseases of olive" with grade (Cum Maxima Laude) Mediterranean Agronomic Institute in collaboration with University of Bari, Italy.
- 2012** • PhD in "Studies on the fungal diseases of mango with particular reference to diseases caused by *Botryosphaeriaceae*" with Grade (Cum Maxima Laude) University of Catania, Catania, Italy.

EMPLOYMENTS

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| Technical consultant
(2018 -2020) | • Palladium Limited Company, Riyadh, Kingdom of Saudi Arabia. |
| Researcher
(2013 - 2018) | • Plant Pathology Research Institute, Agricultural Research Center. 9 El Gama street, 12619, Giza-Egypt. |
| Assistant Researcher
(2009 - 2013) | • Plant Pathology Research Institute, Agricultural Research Center. 9 El Gama street, 12619, Giza-Egypt. |
| Researcher Assistant
(2009) | • Plant Pathology Research Institute, Agricultural Research Center. 9 El Gama street, 12619, Giza-Egypt. |

Agricultural Engineer (2003-2009)	<ul style="list-style-type: none"> Mango Project funded by MERC organization Plant Pathology Research Institute, Agricultural Research Center 9 El Gama street, 12619, Giza-Egypt
PhD student visitor (March to October 2011)	<ul style="list-style-type: none"> Fungal Biodiversity Center-CBS, Uppsalalaan 8, 3584 CT Utrecht the Netherlands.
Post-doctor period (February to June 2015)	<ul style="list-style-type: none"> Institute of Sciences of Food Production (ISPA) of the National Research Council (CNR), Bari, Italy.

SPECIALIZATION

Main fields of study	<ul style="list-style-type: none"> Plant Pathology Biological Control Chemical control Integrated Pest Management (IPM) Mycology Molecular Biology Bioinformatics
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LANGUAGE SKILLS

Languages	<ul style="list-style-type: none"> Arabic (mother language) English (writing and speaking fluently) Italian (writing and speaking fluently)
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EXPERINECES

Plant pathology and Field applications	<ul style="list-style-type: none"> Responsible of Laboratory and field activities of MERC-project funded from MERC-organization with other partner (USA) on Mango fungal disease (Malformation) from 08/2003 to 07/2005. Supervisor of organic farms of El Kanana Farms (Wadi El Natroon, Beheira Governorate) from 2012 until 2014
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- Responsible of Integrated Pest Management Program (IPM) division of El Kanana Farms (Wadi El Natroon, Beheira Governorate) from 2012 until 2014.
- Setting of fertilization and management program for vegetables and fruit tree crops such as Mango, Citrus, Olive, Banana, Peach, Fig and Guava.
- Supervisor of some fruit tree nurseries located in Abu Rawaash, Giza.
- Supervisor of two mango orchards located in Wadi El mollak, Ismailia
- Supervisor of Banana orchard located in Wadi El Natroon, Behiera.
- Biological control in Vitro and in vivo experiments.
- Chemical control in Vitro and in Vivo experiments.
- Preparation of different fungal growing media (PDA, CMA, MEA, etc.) as well as different working salt solutions.

Laboratory activities

- Knowledge of using several laboratory instruments (Incubators, centrifuges, agitators, Gel electrophoresis power supply, Agarose gel preparation, Laminar flow, Autoclaves, balances, etc.)

Molecular Biology applications

- Good experience in most of molecular biology techniques; DNA and RNA extraction from living organisms, PCR, Real-Time PCR, DNA sequencing, cloning, etc.).

IT SKILLS

Bioinformatics applications and programs

- Very good experience in using most of popular bioinformatics programs such as: MEGA v.3, 4 and 5, MAFT v.6, phylogenetic analysis using PAUP* v.4.b10 analysis, Bayesian analysis of Phylogeny by MrBayes v.3.1.1, MrModel analysis and Tree View v 1.6.6.

Computer sciences

- Experience in using computer programs (Microsoft office applications, Photoshop, Statistical analysis...etc.

- Working knowledge of relational database concepts.
- Knowledge of Windows operating systems and Infrastructure.

PERSONAL SKILLS

- Strong interest for Information Technology and its regulations;
- Excellent communication skills, and ability to interact appropriately with colleagues, vendors and partners verbally and in writing;
- Attention to detail, and ability to meet tight deadlines;
- Problem solving skills to develop solid solutions to resolve complex issues;
- Ability to present and explain technical information to diverse audiences.

ATTENDED CONFERENCES, COURSES AND SEMINARS

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| 2018 | • 4th International Conference on Biotechnology Applications in Agriculture (ICBAA), 4 – 7 April 2018, Hurghada, Egypt. |
| 2018 | • The international conference on biotechnology and environment, 28 – 30 March 2018, Alexandria, Egypt. |
| 2017 | • Sahara international exhibition, 27 – 30 September 2017, Nasr City, Egypt. |
| 2017 | • 12 th Arab congress of Plant Protection, 4-9 November 2017, Hurghada, Egypt. |
| 2015 | • The Second International Workshop on Ascomycete Systematics, CBS Symposium Week, 22-24 April 2015, Amsterdam, Netherlands. |
| 2014 | • Training course on “Management and Usage of agrifood resources with the aim of fostering sustainable agriculture and forestry as well as reduction of the effects of climate changes. (from May to November 2014) CNR, Bari, Italy |
| 2014 | • The 16 th EMBL PhD Symposium; Inspired by Biology: Exploring Nature’s Toolbox. 23 rd – 25 th October 2014, Heidelberg, Germany. |

- International conference on: From seed to Food-Cooperation, Sustainable Agriculture and Food safety, 18-October 2014 CIHEAM-BARI, Italy
- **Seminar on** Il Fondo Europeo di Sviluppo, opportunita per il settore privato. 17-October, 2014 CIHEAM-BARI
- **Biodiversita** e Biotechnologie : due risorse per l'agricoltura del mediterraneo, European Biotech week (Second edition), 10 October 2014, CIHEAM-BARI, Italy
- ALLBio/ **SeqAhead** Workshop on: Epigenetics, coding and non-coding RNAs- Challenging NGS data, 25-26 June 2014 Bari, Italy.
- 3rd Annual Meeting PGB network "From genetic diversity to molecular plant breeding through "OMIC" studies "13, June 2014. Bari, Italy

2011

- 1Fungus=1Name CBS Symposium in 19-20/04/2011 Royal Netherlands Academy of Arts and Science, Amsterdam-The Netherlands.
- **Seminar on:** Transformation of Neosortorya by: Timon Wajak at CBS Fungal Biodiversity Centre Uppsalalaan,8 Utrecht, the Netherlands
- **Seminar on:** How is QBOL PROGRESSING? By: Ewald Gronewald at CBS Fungal Biodiversity Centre Uppsalalaan,8 Utrecht, the Netherlands
- **Seminar on:** How color affect the science; Phenotypic characterization of Aspergillus westerdijkiae of closely related species By: Neriman Yilmaz at CBS Fungal Biodiversity Centre Uppsalalaan,8 Utrecht, the Netherlands
- **Seminar on:** Chromoblastomycosis by Fonsecaea: infection routes, detection and therapy By: Mohammad Najafzadeh at CBS Fungal Biodiversity Centre Uppsalalaan,8 Utrecht, the Netherlands
- **Seminar on:** The genus Phytophthora an overview by Henk Brouer at CBS Fungal Biodiversity Centre Uppsalalaan, 8 Utrecht, the Netherlands
- **Seminar on:** Mating type-loci of co-occurring Aschochyta and Phoma species by: Lute Harm

Zwiers at CBS Fungal Biodiversity Centre Uppsalalaan,8 Utrecht, the Netherlands

- **Seminar on:** Quarantine barcoding of life from concept to results presented William Quaedvlieg at CBS Fungal Biodiversity Centre Uppsalalaan,8 Utrecht, the Netherlands
- **Course on:** Lab safety by: Ewald, Francis and Snippe-Claus at CBS Fungal Biodiversity Centre Uppsalalaan,8 Utrecht, the Netherlands

- 2010**
- La conservazione della biodiversita oltre il 2010, Anno internazionale della Biodiversita, 14 Dicembre 2010. Facolta di Agraria, Via santa sofia 100, Catania, Italy.
 - Egyptian Italian-Science Forum 2010 (EGIT-SCIF 2010), 13-15/11/2010, University of Messina, Messina, Italy.

SUPERVISIONS

- Master thesis with title: Biological control of *Sclerotium rolfii* wilt/root rot disease on potato. Student: (Heba Mahmoud Soliman, Zagazig University).
- PhD thesis with title; Management of *Alternaria* diseases on tomato in Egypt and South Africa. Student (Samah Fawzy El-Ghobashy, Cairo University).

Memberships

- Member in Egyptian Society for Biological Control of Pests.
- Member in Italian Society of Plant pathology.

Reviewers for:

- International Journal of Pest Management.
- Journal of Plant Pathology.

PUBLICATIONS

- 1- El-Gazzar, N., **Ismail, A.M (2020)**. The potential use of Titanium, Silver and Selenium nanoparticles in controlling leaf blight of tomato caused by *Alternaria alternata*, Biocatalysis and Agricultural Biotechnology, doi: <https://doi.org/10.1016/j.bcab.2020.101708>.
- 2- El-Gazzar, N., Almaary, K.S. **Ismail, A.M.** and Polizzi, G. **(2020)**. Influence of *Funneliformis mosseae* enhanced with titanium dioxide nanoparticles (TiO₂NPs) on *Phaseolus vulgaris* L. under salinity stress. PLoS ONE 15(8): e0235355. <https://doi.org/10.1371/journal.pone.0235355>.
- 3- **Ismail, A.M.**, Afifi M.M.I. **(2019)**. Efficacy of some biotic and abiotic factors in controlling common bean rust disease caused by *Uromyces appendiculatus*. *Egyptian Journal of Phytopathology*, 47 (1): 1-17.
- 4- Essa T.A., Kamel S. M., **Ismail, A.M.** Omara R. I. **(2018)**. Partial Resistance Stability of Some Common Potato Cultivars to Natural Late Blight Infection Caused by *Phytophthora infestans* under Egyptian Condition. *Egyptian Journal of Phytopathology*, 46 (2): 227-242.
- 5- Essa, T. A., Kamel, S. M., **Ismail, A.M** and El-Ganainy S. M. **(2018)**. Characterization and chemical control of *Neopestalotiopsis rosae* the causal agent of strawberry root and crown rot in Egypt. *Egyptian Journal of Phytopathology*, 46: 1-19.
- 6- El Gobashy S.F, Mikhail W.Z.A., **Ismail A.M**, Zekry A, Moretti A, Susca A, Soliman A.S. **(2018)**. Phylogenetic, toxigenic and virulence profiles of *Alternaria* species causing leaf blight of tomato in Egypt. *Mycological Progress*, 17(11): 1269–1282.
- 7- Said, M. Kamel, **A. M. Ismail**, R.I. Omara and M.F.A. Ahmed **(2017)**. Influence of humate substances and fungicides on the control of onion downy mildew. *Egyptian Journal of Phytopathology*, 45(1): 17-30.

- 8- S. M. Kamel, **A.M. Ismail**, M.M.I. Afifi and T.A Essa (2017). Humic Substances: A Powerful Tool for Controlling Fusarium Wilt Disease and improving Growth of Cucumber Plants. *Journal of Plant Pathology*, 99(1): 61-67.
- 9- Ketta H.A, S.M.Kamel, **A.M. Ismail** and E.S.Ibrahem (2016). Control of downy mildew disease of Cucumber using *Bacillus chitinosporus*. *Egyptian Journal of Biological Pest Control*, 24 (4): 839-845.
- 10-S. Elanainy, Y. Ahmed, M. Soliman, **A. Ismail**, A. Tohamy, E. Randall, D. Cooke (2016). A shift in the population of *Phytophthora infestans* on Egyptian potato crops. *Phytopathology*, pp ,106:140.
- 11- **A.M. Ismail**, T.A. Essa, S.M. Kamel, G. Perrone (2016). FIRST REPORT OF CURVULARIA SPICIFERA CAUSING LEAF SPOT ON TOMATO (SOLANUM LYCOPERSCIUM L.) IN EGYPT. *Journal of Plant Pathology*, 97 (1) 167-171.
- 12- G. Perrone, D. Magistà, **A.M. Ismail** (2016). FIRST REPORT OF COLLETOTRICHUM KAHAWAE subsp. CIGGARO ON MANDARIN IN ITALY. *Journal of Plant Pathology*, **97** (1), 167-171.
- 13- P.W. Crous, M.J. Wingfield, J.J. Le Roux, D.M. Richardson, D. Strasberg, R.G. Shivas, P. Alvarado, J. Edwards, G. Moreno, R. Sharma, M.S. Sonawane, Y.P. Tan, A. Altés, T. Barasubiye, C.W. Barnes, R.A. Blanchette, D. Boertmann, A. Bogo, J.R. Carlavilla, R. Cheewangkoon, R. Daniel, Z.W. de Beer, M. de Jesús Yáñez-Morales, T.A. Duong, J. Fernández-Vicente, A.D.W. Geering, D.I. Guest, B.W. Held, M. Heykoop, V. Hubka, **A.M. Ismail**, et al. (2015) Fungal Planet description sheets: 371–399. *Persoonia*, 35:264-327.
- 14- **A.M. Ismail**, G. Cirvilleri, T. Yaseen, F. Epifani, G. Perrone and G. Polizzi (2015) Characterization of Colletotrichum species causing anthracnose disease of mango in Italy. *Journal of Plant pathology*, 97 (1): 167-171.

- 15- A. M. Ismail**, G. Cirvilleri, G. Polizzi, P. W. Crous, J. Z. Groenewald and L. Lombard (2013) Characterization of *Neofusicoccum* species causing mango die back in Italy. *Journal of Plant Pathology*, 95 (3): 549-557.
- 16- A.M. Ismail** G. Cirvilleri and G. Polizzi (2013). Characterization and pathogenicity of *Pestalotiopsis uvicola* and *Pestalotiopsis clavispora* causing grey leaf spot of mango (*Mangifera indica* L.) in Italy. *European Journal of Plant Pathology*, 135:619–625.
- 17- Abd El-sayed M.H.F, Shata R.M, Ismail A.M and Hanna E. Amal (2013).** Effectiveness of *Bacillus subtilis* and salycilic acid in suppression of tomato Fusarium wilt under greenhouse condition. *Egyptian Journal of Applied Sciences*, 28 (7): 250-267.
- 18- A. M. Ismail**, G. Cirvilleri, G. Polizzi, P. W. Crous, J. Z. Groenewald and L. Lombard (2012). *Lasiodiplodia* species associated with dieback disease of mango (*Mangifera indica*) in Egypt. *Australasian Plant Pathology*, 41(6): 649-660.
- 19- Ismail A. M, D'Onghia A.M, and Nigro F. (2011).** Influence of organic growing media in combination with microbial bio-agents (Clonotri or Sublic) on the growth parameters of olive (*Olea europea* L.) plantlets in the nursery. *Agriculture and Biology Journal of North America*, 2(5): 767-772.
- 20- Hawksworth DL, Crous PW, Redhead SA, Reynolds DR, Samson RA, Seifert KA, Taylor JW, Wingfield MJ, Abaci Ö, Aime C, Asan A, Bai F-Y, Beer ZW de, Begerow D, Berikten D, Boekhout T, Buchanan PK, Burgess T, Buzina W, Cai L, Cannon PF, Crane JL, Damm U, Daniel H-M, Diepeningen AD van, Druzhinina I, Dyer PS, Eberhardt U, Fell JW, Frisvad JC, Geiser DM, Geml J, Glienke C, Gräfenhan T, Groenewald JZ, Groenewald M, Gruyter J de, Guého-Kellermann E, Guo L-D, Hibbett DS, Hong S-B, Hoog GS de, Houbraken J, Huhndorf SM, Hyde KD, Ismail A, Johnston PR, Kadaifciler DG, Kirk PM, Kõljalg U, Kurtzman CP, Lagneau P-E, Lévesque CA, Liu X, Lombard L, Meyer W, Miller A, Minter DW, Najafzadeh MJ, Norvell L,**

Ozerskaya SM, Öziç R, Pennycook SR, Peterson SW, Pettersson OV, Quaedvlieg W, Robert VA, Ruibal C, Schnürer J, Schroers H-J, Shivas R, Slippers B, Spierenburg H, Takashima M, Taşkın E, Thines M, Thrane U, Uztan AH, Raak M van, Varga J, Vasco A, Verkley G, Videira SIR, Vries RP de, Weir BS, Yilmaz N, Yurkov A, Zhang N. (2011). The Amsterdam Declaration on Fungal Nomenclature. *IMA Fungus*, 2:105–112.

21- D'Onghia A.M., **Ismail A.**, Yassen T., Ippolito A. and Nigro F. (2009). Guano biofertilizer in the biological control of Verticillium wilt of olive plantlets. In: *Journal of Plant Pathology*. International Congress of Italian Society of Vegetable Pathology (SIPaV). Locorodondo (Bari-Italy), 28 September-1 October (2009), Pisa Edition ETS, vol.91(4): p.198, ISBN/ISSN: 1125-4653.

22- Yassen T., **Ismail A.**, D'Onghia A.M., Ippolito A. and Nigro F. (2009). Effect of fungal and bacterial based bioproducts in controlling Verticillium wilt of olive in the nursery. In: *Journal of Plant Pathology*. International Congress of Italian Society of Vegetable Pathology (SIPaV). Locorodondo (Bari-Italy), 28 September-1 October (2009), Pisa Edition ETS, vol.91(4): p.230, ISBN/ISSN: 1125-4653.