

PERSONAL:

Born: January 29, 1967, at Cairo, Egypt.

ADDRESSES:

Home address: 11 Amr Mohamed St., King Faisal, Al-Haram 12111, Giza, Egypt.

Work address: Department of Botany and Microbiology, Faculty of Science, Cairo University, 12613, Giza, Egypt

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<http://www.linkedin.com/pub/prof-tarek-moussa/29/221/5b4>

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EDUCATIONAL BACKGROUND:

1989 B.Sc. : Botany, Faculty of Science, Cairo University, Egypt.

1994 M.Sc. : Microbiology, Faculty of Science, Cairo University, Egypt.

Thesis title *“Preliminary studies on the production of pathogenicity enzymes by some sugarbeet pathogenic fungi under the stresses of salinity and herbicidal treatment.”*

The thesis was evaluated by **Prof. Dr. H. Hindorf**, University of Bonn, Germany (h.hindorf@uni-bonn.de).

2000 Ph.D. : Microbiology, Faculty of Science, Cairo University, Egypt.

Thesis title *“Towards the biological control of some root-rot fungal pathogens of sugarbeet in Egypt.”*

The thesis was Evaluated by **Prof. Dr. A. Hüttermann**, University of Göttingen, Germany (ahuette@gwdg.de); **Prof.**

Prof. Dr. K. Lindstrom, University of Helsinki, **Finland**
(Kristina.lindstrom@helsinki.fi).

PRESENT OCCUPATIONS:

- 2010 till now** : **Professor of Microbiology**, Department of Botany and Microbiology, Faculty of Science, Cairo University, Egypt.
- 2014 till now** : **Professor of Microbiology**, Biological Sciences Department, Faculty of Science, University of Jeddah, Jeddah, Saudi Arabia.

PREVIOUS OCCUPATIONS:

- 1989-1994** : **Demonstrator**, Department of Botany and Microbiology, Faculty of Science, Cairo University, Egypt.
- 1994-2000** : **Assistant Lecturer**, Department of Botany and Microbiology, Faculty of Science, Cairo University, Egypt.
- 2000-2005** : **Assistant Professor**, Department of Botany and Microbiology, Faculty of Science, Cairo University, Egypt.
- 2006-2009** : **Supervisor on the training courses on cultivation of mushroom for non-specialist peoples**, Department of Botany and Microbiology, Faculty of Science, Cairo University, Egypt.
- 2000-2010** : **Supervisor of Computer and Internet Lab.**, Department of Botany and Microbiology, Faculty of Science, Cairo University, Egypt.
- 2005-2010** : **Associate Professor of Microbiology**, Department of Botany and Microbiology, Faculty of Science, Cairo University, Egypt.
- 2009-2010** : **Associate professor of Microbiology**, Department of Botany, Faculty of Science, Sirte University, Sirte, Libya.
- 2010-2014** : **Professor of Microbiology**, Biological Sciences Department, Faculty of Science, King Abdulaziz University, Jeddah, Saudi Arabia.

MEMBERSHIP OF SCIENTIFIC SOCIETIES AND ORGANIZATIONS:

1. Egyptian Botanical Society, Egypt.
2. Egyptian Microbiological Society, Egypt.
3. Egyptian Phytopathological Society, Egypt.
4. Union of Arab Biologists, Egypt.
5. The Science Advisory Board, USA (<http://www.scienceboard.net>).

MEMBERSHIP OF EDITORIAL BOARD OF SCIENTIFIC JOURNALS:

1. Asian Journal of Plant Sciences (<http://www.scialert.net>).
2. Egyptian Journal of Botany.
3. American Journal of Food Technology (<http://www.scialert.net>).
4. Biotechnology (<http://www.scialert.net>).
5. Journal of Applied Sciences (<http://www.scialert.net>).
6. Asian Journal of Plant Pathology (<http://www.scialert.net>).
7. Trends in Molecular Sciences (<http://www.scialert.net>).
8. Journal of Applied BioSciences (<http://www.bioscience.elewa.org>).
9. Insight Biotechnology (<http://insightknowledge.co.uk/jhome.php?jid=2040-8331>).
10. Journal of Forest Products and Industries (<http://researchpub.org/journal/jfpi>).
11. Journal of Animal and Plant Sciences (<http://sfx.cceu.org.cn/cgi-bin/tgxx.cgi?>).

TRAINING COURSES ATTENDED:

- 25-28 March 1996** : “**Biodiversity Data Management**”. Egyptian Environmental Affairs Agency, National Biodiversity Unit (NBU), **Egypt**.
- 22 June-3 July 1997** : “**Molecular Biology & Development**”. Zagazig University, Benha Branch, Faculty of Science, Department of Botany, **Egypt**.
- 13-16 December 1997** : “**Electron Microscopy (Technique & Interpretation)**”. Electron Microscope Research Service Unit, Faculty of Science, Cairo University, **Egypt**.
- 9-14 March 2002** : “**Workshop for Biotechnology: Science and Ethics**”. Collaboratively Organized by DAAD (Cairo Office) and Assiut University, Assiut, **Egypt**.
- 11-13 December 2004** : “**Scientific Research Methods**”. Faculty and Leadership Development Center, Cairo University, **Egypt**.

- 13-18 November 2005** : **“Molecular Biology Training Course”**. Organized by Development of Molecular Biology Courses Project, Higher Education Enhancement Project Fund (HEEPF), at Faculty of Science, Cairo University, **Egypt**.
- 19-23 November 2005** : **“Elimination and reuse heavy metals from wastewater”**. National Research Center, **Egypt**.
- 12-13 April 2006** : **“Credit hours system”**. Faculty and Leadership Development Center, Cairo University, **Egypt**.
- 9 May- 4 July 2006** : **“Summer school on protein crystallography and drug design”**. Collaboratively Organized by Faculty of Science, Cairo University and Academy of Scientific Research & Technology (ASRT), at Faculty of Science, Cairo University, **Egypt**.
- 24 December 2008** : **“Preparation of questionnaires and analysis in order to ensure quality”**. Quality Assurance and Accreditation Center, Cairo University, **Egypt**.
- 26-28 January 2009** : **“Research team management”**. Faculty and Leadership Development Center, Cairo University, **Egypt**.
- 30 Aug.-1 Sept. 2009** : **“Use technology in teaching”**. Faculty and Leadership Development Center, Cairo University, **Egypt**.
- 7-9 June 2010** : **“Financial and legal aspects”**. Faculty and Leadership Development Center, Cairo University, **Egypt**.
- 7-9 June 2010** : **“Quality standards in the teaching process”**. Faculty and Leadership Development Center, Cairo University, **Egypt**.
- 1st October 2011** : **“Master The Cloud with the power of convergence”**. Deanship of Information Technology, King Abdulaziz University with cooperation with Hewlett-Packard Saudi Arabia, Jeddah, **Saudi Arabia**.
- 23-24 October 2011** : **“Basis of preparation supported research and research skills”**. Center for Teaching and Learning Development, King Abdulaziz University, Jeddah, **Saudi Arabia**.

6 December 2011 : **"Data Bases (SAGE, GALE, SCIENCE DIRECT, SCOPUS)**. Deanship of Library Affairs, King Abdulaziz University, Jeddah, **Saudi Arabia**.

NATIONAL AND INTERNATIONAL RESEARCH PROJECTS:

1994-1996 : **"Survey of fungal flora in Egypt"**. National Biodiversity Unit (NBU). Egyptian Environmental Affairs (EEA), **Egypt**. (**Research group member**).

2003-2006 : **"Iron assimilation and pathogenicity of Aspergillus"**. Austrian Science Foundation (FWF-Project P15959-MB07), **Austria**. (**Research group member**).

2006-2008 : **"Siderophores and virulence of Aspergillus fumigates"**. Austrian Science Foundation (FWF-Project P18606-B11), **Austria**. (**Research group member**).

2009-2011 : **"Transcriptional networks controlling virulence in filamentous fungal pathogens (TRANSPAT)"**. Austrian Science Foundation (FWF-Project I 282-B09) (ESF/ERA-NET-Pathogenomics), **Austria**. (**Research group member**).

2009-2012 : **"Iron homeostasis-maintenance in A. fumigates"**. Austrian Science Foundation (FWF-Project P21643-B11), **Austria**. (**Research group member**).

2010-2012 : **"Production and regulation of lovastatin, a raw material of pharmaceutical industry for treatment of hyperlipidemia"**. Science and Technology Development Fund (STDF), Ministry of Higher Education and State of Scientific Research, **Egypt**. (**PI**)

2012 : **"Biological control of some wheat diseases in Saudi Arabia"**. Distinct Study Project funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, under grant no. (16-965-D1432) (**PI**).

2012 : **"Chemical composition of Peganum harmala in Saudi Arabia and their biological activities"**. Funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, under grant no. (316-372-1432). (**CoPI**).

- 2012** : ***"Dietary Intake of Pesticides Based on Vegetable Consumption: A Case Study, Jeddah, Kingdom of Saudi Arabia"***. Distinct Study Project funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, under grant no. (965-001-D1433) **(CoPI)**.
- 2013** : ***"Biodiversity of Arbuscular mycorrhizal fungi (AMF) in some wild plants and their application to ecosystem restoration in Mecca region"***. Funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, through a research group "Plant Biology" under grant no. (34/22/RG) **(CoPI)**.
- 2013** : ***"Using of microbial growth promoters to increase growth and yield of some cultivated plants under Kingdom of Saudi Arabia environmental conditions"***. Funded by King Abdulaziz City for Science and Technology (KACST), Riyadh, under grant no. (A-C-11-0647) **(CoPI)**.
- 2013** : ***"Bioremediation of hydrocarbon-polluted soils by black fungi"***. Distinguished Scientists Project funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, under grant no. (1-965/1434-HiCi) **(CoPI)**
- 2014** : ***"Screening of mycotoxins in food and feed stuffs in local markets, Jeddah, Saudi Arabia"***. Distinct Study Project funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, under grant no. (101-965-D1432) **(PI)**.
- 2014** : ***"Next Generation Biosensors for the Environment and Health: Direct Current Response from Microbial Circuits"***. Distinguished Scientists Project funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, under grant no. (77-130-35-HiCi) **(PI)**.
- 2015** : ***"Biodiversity of microbial and plant life using next generation sequencing technology in Makkah region"***. Funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, through a research group "Plant Biology" under grant no. (3-130-36-RG) **(PI)**.

2015 : "**Bioremediation and health risks of black fungi in hydrocarbon-polluted environments**". Funded by the Deanship of Scientific Research (DSR), King Abdulaziz University, Jeddah, through a research group "Plant Biology" under grant no. (30-130-36-RG) (PI).

AWARDS:

1996 : UNESCO fellowship for Young scientists "**Man and Biosphere (MAB)**".

1 February- 31 July 2008: Governmental fellowship (sponsored by Ministry of higher Education and Scientific Research) at Division of Molecular Biology, Biocenter, Innsbruck Medical University, Innsbruck, Austria.

November 2008 : Nominated and considered for inclusion in the Twenty Sixth Edition, 2009 of **Who's Who in the World®**.

REVIEWER IN INTERNATIONAL JOURNALS

1. Cell Biochemistry and Biophysics (Springer).
2. SpringerPlus (Springer)

EXAMINER FOR M.SC. AND Ph.D. THESES

M.Sc. Theses

1. "**Effect of radiation on the antimycotic activity of some drugs and natural products on *Candida* species**". Basant Mohamed Ibrahim Hashem, **2009**. Cairo University.
2. "**Comparative study between different methods for detection and enumeration of pathogenic bacteria from aquatic environment**". Mohamed Azab Rashed El-Lathy, **2009**. Cairo University.
3. "**Role of lanthanum and antagonistic organisms on wheat resistance to pathogenic fungi**". Fatma Sayed Mohamed, **2011**. Cairo University.
4. "**Detection of group B *Streptococcus* using different techniques**". Asmaa Mohamed Mohamed AboElAref, **2014**. Cairo University.
5. "**Antimicrobial effect of some medicinal plants against pathogenic microorganisms**". Abdullah Abed Baz, **2014**. King Abdulaziz University, Saudi Arabia.

6. "Biotechnological production, purification and characterization of the enzyme naringinase". Eman Sayed Mostafa, **2016**. Cairo University, Egypt.

Ph.D. Theses

1. "Study and evaluation of de-emulsification capacity of some biosurfactants". Shereen Mohamed Samir, **2007**. Alexandria University, Egypt.
2. "Bioremediation of polycyclic aromatic hydrocarbons in agricultural ecosystems". Omaima Abdel-Atti Sharaf, **2012**. Cairo University, Egypt.
3. "Improvement of fungal disease resistance in potato using gene(s) transfer and *in vitro* selection". Rehab Mahmoud Hafez, **2012**. Cairo University, Egypt.
4. "Biological control of soil-borne root diseases in ground-nut by inoculating microbial inoculants (AM fungi and *Trichoderma*)". Khirood Doley, **2012**. University of Pune, India.
5. "The biological and physiological responses of fungi to some disinfectants combined with copper". Awad A. A. El-Shoura, **2015**. Menoufiya University, Egypt.
6. "Prognostic biomarkers of colorectal carcinoma in Saudi patients". Maryam H. S. Al-Zahrani, **2016**. King Abdulaziz University, Saudi Arabia.

INTERNATIONAL CONFERENCES AND MEETINGS PARTICIPATE:

- 6th International Congress of Plant Pathology, **28 July-6 August 1993**, National Research Council Canada, **Montreal, Canada**.
- IT Primer Workshop on "Basic Web Technology Skills for Courseware Development". **14-18 October 2001**, Collaboratively Organized by UNESCO, ISESCO and the University of Bahrain. **Manama, Bahrain**.
- 11th International Conference of Union of Arab Biologists, **7-9 September 2004**, Faculty of Science, Cairo University, **Cairo, Egypt**.
- SESAME 5th Users' Meeting, **29 November-2 December 2006**, **Alexandria, Egypt**.
- 3rd Saudi Science Conference (New Horizons in Science and their Applications), **10-13 March 2007**, College of Science, King Saud University, **Riyadh, Saudi Arabia**.
- SESAME 6th Users' Meeting, **17-19 November 2007**, **Amman, Jordan**.
- 3rd International Conferences of Environmental Research Division, National Research

Center "Environmental Science & Technology" **1-3 April 2008**, Environmental Research Division, National Research Center, **Cairo, Egypt**.

- SESAME 7th Users' Meeting, **20-21 November 2008**, Cairo University, **Cairo, Egypt**.
- 4th International Conference on Scientific Research and their Applications, **17-19 December 2008**, Cairo University, **Cairo, Egypt**.
- 1st International Conference on "Biotechnology and Environmental Safety" **14-16 April 2009**, National Research Centre, **Cairo, Egypt**.
- 3rd International Conference of Genetic Engineering and Biotechnology Research Division "Biotechnology for Better Life" **3-5 November 2009**, National research Centre, **Cairo, Egypt**.
- 4th International Conference on Applied Mathematics, Simulation, Modeling (ASM'10), **July 22-25, 2010**, **Corfu Island, Greece**.
- 1st International Biotechnology Innovation Conference, **21-23 November 2010**, Faculty of Science, Cairo University, **Cairo, Egypt**.

THESES SUPERVISED BY Prof. Dr. TAREK A. A. MOUSSA:**M.Sc. Theses****A. Awarded Theses****1. Ramy Sayed Yehia ([Awarded April 2007](#))**

“Production and biological evaluation of laccase from edible mushroom *Pleurotus ostreatus*”. Registered [April 2005](#) at Faculty of Science, Cairo University.

2. Amal Amin Hamed ([Awarded September 2007](#))

“Molecular characterization of tomatinase enzyme isolated from Egyptian *Fusarium oxysporum* isolates”. Registered [February 2003](#) at Faculty of Science, Cairo University.

3. Basant Mohamed Ibrahim Hashem ([Awarded December 2009](#))

"Effect of radiation on the antimycotic activity of some drugs and natural products on *Candida* species”. Registered [September 2005](#) at Faculty of Science, Cairo University.

4. Mohamed Azab Rashed El-Lathy ([Awarded April 2009](#))

- “Comparative study between different methods for detection and enumeration of pathogenic bacteria from aquatic environment”**. Registered [October 2005](#) at Faculty of Science, Cairo University.
5. Lena Ahmed Saleh El-Faqueeh ([Awarded April 2010](#))
“Isolation, purification and evaluation of some antitumor compounds from *Pleurotus ostreatus*”. Registered [January 2008](#) at Faculty of Science, Cairo University.
6. Fatma Sayed Mohamed ([Awarded May 2011](#))
"Role of lanthanum and antagonistic organisms on wheat resistance to pathogenic fungi". Registered [October 2008](#) at Faculty of Science, Cairo University.
7. Al-Shimaa Saber Mohamed ([Awarded June 2011](#))
“Evaluation of antifungal potential of ozone against some dermatophytes”. Registered [March 2005](#) at Faculty of Science, Cairo University.
8. Rabab Husein Ibrahim ([Awarded July 2012](#))
“Induction, purification and characterization of the antileukemic fungal asparaginase”. Registered [October 2007](#) at Faculty of Science, Cairo University.
9. Nadia Abdrabo Abd El-Khalek Samak ([Awarded April 2013](#))
"Bioremediation and oil recovery using microbial surfactants". Registered [November 2010](#) at Faculty of Science, Cairo University.
10. Asmaa Mohamed Mohamed AboElAref ([Awarded March 2014](#))
"Detection of group B *Streptococcus* using different techniques". Registered [January 2011](#) at Faculty of Science, Cairo University.
11. Nahla Tohamy ([Awarded January 2015](#))
"Prevalence of fecal carriage of enterobacteriaceae producing ESBL among adults". Registered [January 2011](#) at Faculty of Science, Cairo University.
12. Hanan Mohamed Kamal ([Awarded September 2015](#))
"Molecular characterization of diketide synthase encoding gene from *Aspergillus*". Registered [November 2010](#) at Faculty of Science, Cairo University.
13. Eman Sayed Mostafa ([Awarded April 2016](#))
"Biotechnological production, purification and characterization of the enzyme naringinase". Registered [June 2012](#) at Faculty of Science, Cairo University.

B. Running Theses

1. Asmaa Reda Salim Ali Abu Gariba ([Postponed](#))

- “Biochemical characterizers of antimicrobial peptides expressed in some animals”**. Registered [April 2006](#) at Faculty of Science, Cairo University.
2. Yasmin Emad Mahmoud Mohamed (*Postponed*)
“Enhancement of fungal biodegradation of oil-polluted soil by gamma and solar radiation”. Registered [May 2006](#) at Faculty of Science, Cairo University.
3. Shaimaa I. M. Abouraya (*Postponed*)
“Control of some pathogenic fungi of cultivated mushroom”. Registered [December 2006](#) at Faculty of Science, Cairo University.
4. Noha Mohamed Samir (*Postponed*)
“Production of citric acid from some *Aspergillus* spp. by solid state fermentation”. Registered [July 2007](#) at Faculty of Science, Cairo University.
5. Mai Reda Sayed Ali (*Postponed*)
“Isolation and characterization of antimicrobial proteins from sugarbeet plants as a response to fungal infection”. Registered [January 2008](#) at Faculty of Science, Cairo University.
6. El-Sayed Abd El-Aal El-Sayed (*Postponed*)
"Development and application of 3D structure prediction workflows and protein-protein interaction networks for HCV proteins with laboratory validation". Registered [January 2011](#) at Faculty of Science, Cairo University.
7. Eman Abd El-Kareem Abd El-Faheem Ahmed (*Postponed*)
"New antimicrobial compound (s) produced by *Epicoccum* spp.". Registered [January 2011](#) at Faculty of Science, Cairo University.
8. Marwa Hosny Mohamed Hasan
"Isolation and biochemical characterization of some siderophores produced by *Aspergillus fumigatus*". Registered [June 2012](#) at Faculty of Science, Cairo University.

Ph.D. Theses

A. Awarded Theses

1. Shereen Mohamed Samir (*Awarded August 2007*)
"Study and evaluation of de-emulsification capacity of some biosurfactants". Registered [September 2001](#) at Faculty of Engineering, Alexandria University.
2. Ramy Sayed Yehia (*Awarded July 2010*)

- “Studying the fibrinolytic activity from the edible mushroom *Pleurotus ostreatus*”. Registered [July 2007](#) at Faculty of Science, Cairo University.
3. Mostafa Mohamed Mohamed Ali (*Awarded November 2010*) (Libya)
“Comparative study on phenotypic and molecular characterization and virulence factors of *Escherichia coli* from Egypt and Libya”. Registered [March 2007](#) at Faculty of Science, Cairo University.
4. Rehab Mahmoud Hafez (*Awarded November 2012*)
“Improvement of fungal disease resistance in potato using defensin gene transfer and *in vitro* selection”. Registered [July 2007](#) at Faculty of Science, Cairo University.
5. Omaira Abdel-Atti Sharaf (*Awarded January 2013*)
“Bioremediation of polycyclic aromatic hydrocarbons in agricultural ecosystems”. Registered [September 2006](#) at Faculty of Science, Cairo University.
6. Safaa Al-Deen Ahmed Al-Qaysi (*Awarded December 2013*) (Iraq)
"Control of pathogenic *Streptomyces* species using thaxtomin utilizing fungi and nitric oxide synthase inhibitors". Registered [July 2010](#) at Faculty of Science, Cairo University.
7. Baydaa Hussein Alwan (*Awarded October 2014*) (Iraq)
"Biological properties of some bacterial toxins as antitumor agents". Registered [March 2010](#) at Faculty of Science, Cairo University.
8. Reem Ahmed Ibrahim Al-Hazzim (*Awarded December 2014*) (Kuwait)
"Genetic diversity of *Rhizoctonia solani* isolates infecting potato plant". Registered [October 2010](#) at Faculty of Science, Cairo University.

PUBLICATIONS**Year 1996**

1. El-Abyad, M. S.; Abu-Taleb, A. M. and **Abdel-Mawgoud, T.** (1996). Effect of the herbicide pyradur on host cell wall-degradation by the sugarbeet pathogens *Rhizoctonia solani* Kühn and *Sclerotium rolfsii* Sacc. *Can. J. Bot.* **74**: 1407-1415. (I.F. 1.397).

Year 1997

2. El-Abyad, M. S.; Abu-Taleb, A. M. and **Abdel-Mawgoud, T.** (1997). Response of host cultivar to cell wall-degrading enzymes of the sugarbeet pathogens *Rhizoctonia solani* Kühn and *Sclerotium rolfsii* Sacc. under salinity stress. *Microbiol. Res.* **152**: 9-17. (I.F. 1.771).

Year 2001

3. **Moussa, T. A. A.** and Shanab, S. M. M. (2001). Impact of cyanobacterial toxicity stress on the growth activities of some phytopathogenic *Fusarium* spp. *Az. J. Microbiol.* **53**: 267-282.

Year 2002

4. Shalaby, A. M.; Rizk, M. A. and **Moussa, T. A. A.** (2002). Effect of igran on the rhizosphere mycoflora of *Vicia faba* plants grown in soils infested with *Orabanche crenata* and amended with *Rhizobium leguminosarum*. *Pak. J. Biol. Sci.* **5**: 517-520.
5. **Moussa, T. A. A.** and Rizk, M. A. (2002). Biocontrol of sugarbeet pathogen *Fusarium solani* (Mart.) Sacc. by *Streptomyces aureofaciens*. *Pak. J. Biol. Sci.* **5**: 556-559.
6. **Moussa, T. A. A.** (2002). Studies on biological control of sugarbeet pathogen *Rhizoctonia solani* Kühn. *J. Biol. Sci.* **2**: 800-804. DOI: 10.3923/jbs.2002.800.804

Year 2003

7. Rizk, M. A. and **Moussa, T. A. A.** (2003). Allelopathic potential of sunflower towards maize rhizosphere microflora infested with *Cephalosporium maydis*. *New Egypt. J. Microbiol.* **4**: 98-107.
8. Rizk, M. A. and **Moussa, T. A. A.** (2003). Impact of gamma irradiation stresses. I. Response of gamma-irradiated sugarbeet seeds to infection by soil-borne fungal pathogens. *Plant Pathol.J.* **2**: 28-38.
9. **Moussa, T. A. A.** and Rizk, M. A. (2003). Impact of gamma irradiation stresses. II. Control of sugarbeet pathogens *Rhizoctonia solani* Kühn and *Sclerotium rolfsii* Sacc. *Plant Pathol.J.* **2**: 10-20.

Year 2004

10. **Moussa, T. A. A.** and Abo-Ellil, A. H. (2004). Inhibitory effects of camel urine on pathogenic fungi. *J. Union Arab Biol.* **13 (B):** 53-67.

Year 2006

11. **Moussa, T. A. A.**; Ahmed, G. M. and Abdel-Hamid, S. M.-S. (2006). Optimization of cultural conditions for biosurfactant production from *Nocardia amarae*. *J. Appl. Sci. Res.* **2:** 844-850.

Year 2007

12. **Moussa, T. A. A.** and Tharwat, N. A. (2007). Optimization of cellulase and β -glucosidase induction by sugarbeet pathogen *Sclerotium rolfsii*. *Afr. J. Biotechnol.* **6:** 1048-1054. (I.F. 0.565).

Year 2008

13. **Moussa, T. A. A.** and Ali, D. M. I. (2008). Isolation and identification of novel disaccharide of α -L-Rhamnose from *Penicillium chrysogenum*. *World Appl. Sci. J.* **3:** 476-486.

Year 2009

14. **Moussa, T. A. A.** (2009). Optimization of the induction factors of xylanase and β -xylosidase from sugarbeet pathogen *Sclerotium rolfsii*. *J. King Saud Univ. (Science)* **21:** 33-40.
15. **Moussa, T. A. A.** (2009). Molecular characterization of phenol oxidase (*pox2*) gene from ligninolytic fungus *Pleurotus ostreatus*. *FEMS Microbiol. Lett.* **298:** 131-142. (I.F. 2.199). DOI:10.1111/j.1574-6968.2009.01708.x.
16. Yasmin, S.; Abt, B.; Schrettl, M.; **Moussa, T. A. A.**; Werner, E. R. and Haas, H. (2009). The interplay between iron and zinc metabolism in *Aspergillus fumigatus*. *Fungal Genet. Biol.* **46:** 707-713. (I.F. 2.961).
17. El-Lathy, M. A.; El-Taweel, G. E ; El-Sonosity, W. M.; Samhan, F. A.; **Moussa, T. A. A.** (2009). Determination of pathogenic bacteria in wastewater using conventional and PCR techniques. *Environ. Biotechnol.* **5:** 73-80.

Year 2010

18. El-Taweel, G. E.; **Moussa, T. A. A.**; Samhan, F. A.; El-Senousy, W. M.; El-Lathy, M. A. (2010). Nested PCR and conventional techniques for detection of *Salmonella* spp. in River Nile Water, Egypt. *Egypt. J. Microbiol.* **45:** 63-76.
19. Schrettl, M.; Beckmann, N.; Varga, J.; Heinekamp, T.; Jacobsen, I. D.; Jöchl, C.; **Moussa, T. A. A.**; Wang, S.; Gsaller, F.; Blatzer, M.; Werner, E. R.; Niermann,

- W.; Brakhage, A. A.; Haas, H. (2010). HapX-mediated adaption to iron starvation is essential for virulence of *Aspergillus fumigatus*. *PLoS Pathogens* **6** (9), pii: e1001124. (I.F. 8.978).
20. El-Taweel, G. E ; Rashed, M. A.; El-Senousy, W. M.; Samhan, F. A.; **Moussa, T. A. A.** (2010). Detection of Listeria group by conventional and PCR techniques from River Nile water. *Am. Eurs. J. Agric. Environ. Sci.* **7**: 48-54.
21. **Moussa, T. A. A.**; Ahmed, G. M.; Abdel-Hamid, S. M.-S. (2010). Mathematical model for biomass yield and biosurfactant production by *Nocardia amarae*. *WSEAS New Aspects of Fluid Mechanics, Heat Transfer and Environment* 27-33.

Year 2011

22. **Moussa, T. A. A.** (2011). Cloning and sequencing of phenol oxidase 1 (*poxI*) gene from *Pleurotus ostreatus*. *Afr. J. Biotechnol.* **10** (8): 1299-1308. (I.F. 0.565). DOI: 10.5897/AJB10.581.
23. Gaber, H. M. and **Moussa, T. A. A.** (2011). Regioselective synthesis and antimicrobial studies of novel bridgehead nitrogen heterocycles containing the thienopyrimidinone skeleton. *Eur. J. Chem.* **2** (2): 251-259.

Year 2012

24. Ali, M. M. M.; Mohamed, Z. K.; Klena, J. D.; Ahmed, S. F.; **Moussa, T. A. A.** and Ghenghesh, K. S. (2012). Molecular characterization of diarrheagenic *Escherichia coli* from Libya. *Am. J. Trop. Med. Hyg* **86** (5): 866-871. (I.F. 2.446). doi: 10.4269/ajtmh.2012.11-0330
25. Abdel-Rahman, T. M. A.; Khalil, M. S.; **Moussa, T. A. A.**; Al-Qaysi, S. A. (2012). Identification and characterization of *Streptomyces alkaliscabies* sp. nov. *J. Food Agri. Environ.* **10** (3&4): 476-483. (I.F. 0.517).
26. Saker, M. M.; **Moussa, T. A. A.**; Heikal, N. Z.; Abo ELLil, A. H. A.; Abdel-Rahman, R. M. H. (2012). Selection of an efficient *in vitro* micropropagation and regeneration system for potato (*Solanum tuberosum* L.) cultivar désirée. *Afr. J. Biotechnol.* **11** (98): 16388-16404 (I.F. 0.565).
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