



CURRICULUM VITAE

Prof. Dr. Tarek A. A. Moussa



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, Faculty of Science, Cairo University, 12613, Giza, Egypt

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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, Faculty of Science, Cairo University, Egypt.

PREVIOUS OCCUPATIONS:

1989-1994 : **Demonstrator**, Department of Botany, Faculty of Science, Cairo University, Egypt.

1994-2000 : **Assistant Lecturer**, Department of Botany, Faculty of Science, Cairo University, Egypt.

2000-2005 : **Assistant Professor**, Department of Botany, Faculty of Science, Cairo University, Egypt.

2006-2009 : **Supervisor on the training courses on cultivation of mushroom for non-specialist peoples**, Department of Botany, Faculty of Science, Cairo University, Egypt.

2000-2010 : **Supervisor of Computer and Internet Lab.**, Department of Botany, Faculty of Science, Cairo University, Egypt.

2005-2010 : **Associate Professor of Microbiology**, Department of Botany, Faculty of Science, Cairo University, Egypt.

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/jfpi.html>).
11. Journal of Animal and Plant Sciences (<http://sfx.cceu.org.cn/cgi-bin/tgxx.cgi?issn=1018-7081>).

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 Affaires, 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).
- 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).
- 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. (GR. 34/22) (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).

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).

REVIEWER 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.

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". Omaina 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*)". Khiroud Doley, 2012. University of Pune, India.

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)

“Environmental clean-up of oil residue using microbial surfactants”. Registered November 2010 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. Hanan Mohamed Kamal

“Molecular characterization of diketide synthase encoding gene from *Aspergillus*”. Registered November 2010 at Faculty of Science, Cairo University.

7. 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.

8. 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.
9. Asmaa Mohamed Mohamed AboElAref (*In Preparation*)
"Detection of group B *Streptococcus* using different techniques". Registered January 2011 at Faculty of Science, Cairo University.
10. Nahla Tohamy (*In Preparation*)
"Prevalence of fecal carriage of enterobacteriaceae producing ESBL among healthy adults". Registered January 2011 at Faculty of Science, Cairo University.
11. Eman Sayed Mostafa
"Biotechnological production, purification and characterization of the enzyme naringinase". Registered June 2012 at Faculty of Science, Cairo University.
12. 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. Omaima Abdel-Atti Sharaf (*Awarded January 2013*)

"Bioremediation of polycyclic aromatic hydrocarbons in agricultural ecosystems". Registered September 2006 at Faculty of Science, Cairo University.

B. Running Theses

1. Safaa Al-Deen Ahmed Al-Qaysi (*In Preparation*) (Iraq)

"Control of pathogenic *Streptomyces* species using thaxtomin utilizing fungi and nitric oxide synthase inhibitors". Registered July 2010 at Faculty of Science, Cairo University.

2. Reem Ahmed Ibrahim Al-Hazzim (Kuwait)

"Genetic diversity of *Rhizoctonia solani* isolates infecting potato plant". Registered October 2010 at Faculty of Science, Cairo University.

3. Baydaa Hussein Alwan (Iraq)

"Biological properties of some bacterial toxins as antitumor agents". Registered March 2010 at Faculty of Science, Cairo University.

PUBLICATIONS

Papers in Peer Reviewed Journals

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).
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).

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.
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
7. 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.
8. 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.
9. 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.
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.
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.
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).
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.

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.
18. 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).
19. 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.
20. 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.
21. 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.
22. Moussa, T. A. A. (2011). Cloning and sequencing of phenol oxidase I (*pox1*) gene from *Pleurotus ostreatus*. *Afr. J. Biotechnol.* **10** (8), 1299-1308. (I.F. 0.565). DOI: 10.5897/AJB10.581.

32. Moussa, T. A. A.; Almaghrabi, O. A.; Abdel-Moneim, T. S. (2013). Biological control of the wheat root rot caused by *Fusarium graminearum* using some PGPR strains in Saudi Arabia. *Ann Appl. Biol.* 163, 72-81. (I.F. 2.179).
33. Moussa, T. A. A.; Ali, D. M.; Khalil, N. M.; Mostafa, F. A. (2013). Cloning of glyceraldehyde-3-phosphate dehydrogenase (*gapdh*) gene from *aspergillus fumigatus*. *J. Food Agri. Environ.* 11(3&4), (Under Publication).
34. Khalil, M. S.; Moussa, T. A. A.; Abdel-Rahman, T. M. A.; Alwan, B. H. (2013). Production medium optimization for enhancement the exotoxin secretion by *Pseudomonas aeruginosa*. *J. Food Agri. Environ.* 11(3&4), (Under Publication).
35. Abdel-Rahman, T. M. A.; Al Badawy, N. F.; Abdel Moemen, S. M.; Moussa, T. A. A.; Yehia, R. S. (2013). Biochemical and molecular characterization of fibrinolytic enzyme purified from *Pleurotus ostreatus*. *BioMed Res. Int.* (Under Publication).

Abstracts in Conferences

1. El-Abyad, M. S.; Abu-Taleb, A. M. and Moussa, T. A. A. (1993). Impact of salinity stress on the response of host cultivar to cell wall-degrading enzymes of *Rhizoctonia solani* Kühn and *Sclerotium rolfsii* Sacc. *in vivo* and *in vitro*. 6th International Congress of Plant Pathology, 28 July-6 August 1993, National Research Council Canada, Montreal, Canada.
2. Moussa, T. A. A. and Abo-Ellil, A. H. (2004). Inhibitory effects of camel urine on pathogenic fungi. 11th International Conference of Union of Arab Biologists, 7-9 September 2004, Faculty of Science, Cairo University, Cairo, Egypt.
3. Moussa, T. A. A. (2007). Optimization of the induction factors of xylanase and β -xylosidase from sugarbeet pathogen *Sclerotium rolfsii*. 3rd Saudi Scientific Conference "New Horizons in Science and their Applications." 10-13 March 2007. Faculty of Science, King Saud University, Riyadh, Kingdom of Saudi Arabia.
4. Moussa, T. A. A. (2007). Molecular characterization of xylanase enzyme secreted by *Sclerotium rolfsii*. 6th SESAME Users' Meeting. 17-19 November 2007. SESAME Jordanian National Committee, Amman, Jordan.
5. Moussa, T. A. A.; Samhan, F. A.; El-Senousy, W. M.; El-Taweel, G. E.; Rashed, M. A. (2008). Salmonella presence in raw river Nile water. 3rd International Conferences of Environmental Research Division "Environmental Science and Technology" 1-3 April 2008, National Research Center, Cairo, Egypt.

6. **El-Lathy, M. A.; El-Taweel, G. E.; El-Sonosy, W. M.; Samhan, F. A. and Moussa, T. A. A. (2009).** Determination of pathogenic bacteria in wastewater using conventional and PCR techniques. 1st International Conference on "Biotechnology and Environmental Safety" 14-16 April 2009, National Research Centre, **Cairo, Egypt.**
7. **Saker, M. M.; Abo Ellil, A. H.; Moussa, T. A. A.; Abdel-Rahman, R. M. H. (2009).** Development of efficient regeneration system for potato transformation. 3rd International Conference of Genetic Engineering and Biotechnology Research Division "Biotechnology for Better Life" 3-5 November 2009, National research Centre, **Cairo, Egypt.**
8. **Moussa, T. A. A.; Ahmed, G. M.; Abdel-Hamid, S. M.-S. (2010).** Mathematical model for biomass yield and biosurfactant production by *Nocardia amarae*. 4th International Conference on Applied Mathematics, Simulation, Modeling (ASM'10), July 22-25, 2010, **Corfu Island, Greece.**
9. **Moussa, T. A. A.; Saker, M. M.; Heikal, N. Z.; Abo ELLil, A. H.; Abdel-Rahman, R. M. H. (2010).** Efficient transformation system for fungal disease resistance in potato. 1st International Biotechnology Innovation Conference. Faculty of Science, Cairo University 21-23 November 2010, Cairo university, **Cairo, Egypt.**