



Assiut University

Botany & Microbiology Department



EGYPT

EMAN MOSTAFA MOHAMED ABD EL AAL

CURRICULUM VITAEI



Faculty of Science

2020-2021

1. BASIC INFORMATION

Name: EMAN MOSTAFA MOHAMED ABD EL AAL

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2. PERSONAL INFORMATION

Date of Birth: 2/1/1963

Country of Birth: Assiut - Egypt

Place of Work: Botany & Microbiology Department; Faculty of Science; Assiut University.

Nationality: Egyptian

3. EDUCATIONAL AND SCIENTIFIC DEGREES

Bachelor of Science & Botany: 1985 from Assiut University Egypt.

Master of Science & Microbiology: 1990 from Assiut University Egypt.

Philosophy Degree Microbiology: 1993 from Assiut University Egypt.

Assistant Professor Microbiology: 1998 from Assiut University Egypt.

Professor of Fungal physiology: 2012 from Assiut University Egypt.

4. OCCUPATIONAL INFORMATION'S

From 1985 I'm worked in Botany and microbiology Department. Faculty of Science, Assiut University, Egypt.

- As Demonstrator: From 1985 to 1990
- As Assistant Lecturer: From 1990 to 1993
- As Lecturer: From 1993 to 1996
- As Assistant Professor in Botany Department: From 1996 – 2002
- As Professor in Botany & Microbiology Department: From 2002 -2020
- Education El-Ehsaa in Kingdom of Saudi Arabia
- As Assistant Professor in Microbiology: From 1998 – 2010
- As Professor in Microbiology: From 5-6-2012



5. ACADEMIC AND SCIENTIFIC EXPERENCES

▪ Teaching for under-graduate: General

▪ General botany, general microbiology, mycology, yeast, microbial physiology, applied biotechnology, metabolic engineering, biochemical, fermentation processes, environmental microbiology, microbial toxins, and microbial metabolism (1ry and 2ry metabolism) and metabolic pathways.

Teaching: Post-graduate (MSc & PhD students)

▪ **Research fields:** fungi and yeast physiology and metabolism, mycotoxins (isolation & identification), factors affecting on fungal and yeast growth, pollution of different foods and feeds by fungi and mycotoxins, factors affecting microbial on growth as well as bio-production of important bioactive microbial products such as: baker yeast, alcohol, organic acids, antibiotic, antihypercholesterol, antioxidant, anticancer, limnomodulators, food colorant, and other on semi-industrial and industrial scale with the regulation of these products.

Courses for Student Post Graduate & Course Coordinators

Course Title	Teaching for	Code No.	Year
Advanced microbial biotransformation	PhD	742 B	2019-2020
Selected topics related to microbiology (Yeast)	PhD	752 B	2019-2020
Advanced microbial secondary metabolism	MSc	629 B	2019-2020
Advanced microbial toxins	MSc & diploma	513 B	2015-2017

Courses for Student Under Graduate (Bachelor)

Course Title	Teaching for	Code No.	Years
Fungal physiology	4 th & 3 rd	363 B	2017-2020
Microbial primary metabolism	3 rd Level	392 B	2019-2020
Microbial secondary metabolism	4 th & 3 rd	497 B	2019-2020
Medical Mycology & Microbial toxins	4 th	408 B	2019-2020
Microbial toxins	4 th	401 B	2019-2020



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▪ **Supervising on:** 4 MSc. and 3 Ph.D. thesis in the field of physiology of fungi, mycotoxins, pollution, control of mycoflora and mycotoxins in foods & feeds as well as biotechnology for bio-production of some valuable compounds.

Thesis	Student name	Year	Specialization	Thesis Title	Supervisors
Ph D	Somaya Mohamed Nassar	2019	Microbiology (Fungal physiology)	Yeast bioactivity	Prof: Eman Mostafa Mohamed Dr: Maysa Ahamed Ali
MSc	Somaya Mohamed Nassar	2018	Microbiology (Fungal physiology)	Physiological studies on yeasts producing some bioactive metabolites	Prof: Eman Mostafa Mohamed Dr: Iman Sayed Ahmed Khallaf
MSc	Mayada Aref Abd-El Fattah	2011	Microbiology (Fungal physiology)	Production of Cephalosporin C by some <i>Acromonium species</i>	Prof: El-Kady IA Dr: Sabah Mohamed Sabre Dr: Eman Mostafa Mohamed
Ph D	Amani Abd El Khalic Sayed Abd EL Rahman	2006	Microbiology (Fungal physiology)	Monitoring and control of the toxigenic fungi in Assiut city hospital Restraints	Prof: Yahiya Abd El badea Dr: Ahamed Mohamed Nassar Prof: Eman Mostafa Mohamed
MSc	Ragaa Sayed Mohamed Kotby	1995	Microbiology (Fungal physiology)	Lipids and Sterols Production by Dematiaceous Fungi Isolated from some Herbs	Prof: Ismael Abd-El-Razek El-Kady, Dr: Abd-El-Naser Ahmed Zohri, Dr: Eman Mostafa Mohamed

▪ I produced **thirty nine scientific papers and two Reviews article** in the following:

6. LIST OF PUBLICATIONS

1. **Eman Mostafa Mohamed (2019):** Fungal and yeast carotenoids. **Review.** Journal of Yeast and Fungal Research. 10(2): 30-44. DOI: 10.5897/JYFR2019.0192.
2. **Eman Mostafa Mohamed, Maysa Ahmed, Somaya Nassar (2019):** Isolation and molecular identification of yeasts in different food stuff and determine their abilities for phenols and flavonoids productivity by HPLC analysis. International Journal of Ecotoxicology and Ecobiology. 4(3): 71-79.
3. **Eman Mostafa Mohamed, Iman Sayed-Ahmed Khallaf, Somaya Mahmoud Nassar (2018):** Antibacterial activities of some yeast strains and GC/MS analysis of *Rhodotorula mucilaginosa* AUMC₁₃₅₆₅ bioactive metabolites. Assiut University Journal of Botany and Microbiology 47(2):55-70.
4. **Eman Mostafa Mohamed (2016):** Flavoring and medicinal values of the yellow pigment produced by *Monascus ruber* 4066 strain cultivated on static malt agar medium. International Research Journal of Biochemistry and Biotechnology. 3(1): 37-41.
5. **Eman Mostafa Mohamed (2015):** Physiological studies on the *Monascus ruber* red pigment and GC/MS analysis. International Research Journal of Biological Sciences. 4(10), 1-9.



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6. **Fatma Ali Farghaly and Eman Mostafa Mohamed (2015):** Nutritional value and antioxidants in fruiting bodies of *Pleurotus ostreatus* mushroom. *J. of Advances in Biology* 7(1): 1146-1152.
7. **Eman Mostafa Mohamed and Fatma Ali Farghaly (2014):** Bioactive compounds of fresh and dried *Pleurotus ostreatus* mushroom. *International Journal Biotechnology for Wellness Industries*. 3, 4-14.
8. **Eman Mostafa Mohamed and M. Saad Abbady (2014):** Secondary metabolites and bioactivity of the *Monascus* pigments. **Review Article**. *Global Journal Biotechnology & Biochemistry* 9 (1): 01-13, 2014. DOI: 10.5829/idosi. gjbb.2014.9.1.8268.
9. **Moharram AM, Eman Mostafa Mohamed and Ismail MA (2012):** Chemical profile of *Monascus ruber* strains. *Food Technology and Biotechnology*. 50: 490-499. **Impact factors: 0.976**
10. **Eman Mostafa Mohamed (2012):** Chemical profile, agaritine content and selenium in *Agaricus bisporus*. *Brazilian Archives of Biology and Technology*. 55(6): 911-920. **Impact factors: 0.397**
11. **Soumia Darwish MI, Eman Mostafa M, Afifi M and El-Shanawany AA (2009):** Production of amylase enzymes by filamentous fungi, *Assiut Univ. J. of Botany* 38 (2):1-18.
12. **El-Kady IA, Eman Mostafa Mohamed and Shima RH Ragab (2009):** kojic acid production by some fungi using agro-industrial by-products, *Assiut Univ. J. of Botany*. 38 (1): 1-18.
13. **El-Shanawany AA, Eman Mostafa Mohamed and Sadat KM (2008):** Citric Acid Production by *Aspergillus niger* Van Tighem. *Assiut Univ. J. of Botany*. 37 (2): 127-140. **Impact factors:**
14. **Amal MI Eraky and Eman Mostafa Mohamed (2007):** Virulence of *Fusarium oxysporum* F.sp. *Lycopersici* on tomato plants in relation to toxins production. *Assiut Univ. J. of Botany*. 36 (1): 113-125. **Impact factors**
15. **Eman Mostafa Mohamed (2006):** The relationship between morphological characters and citrinin production by some fungal isolates. *Assiut Univ. J. of Botany*. 35 (2) 15-23. **Impact factors:**
16. **Eman Mostafa Mohamed (2006):** Distinguishing characters of some isolates belonging to section *Flavi* and their ability for aflatoxins production. *Assiut Univ. J. of Botany*. 35 (1): 295- 308. **Impact factors:**
17. **Eman Mostafa M, Barakat A and El-Shanawany AA (2005):** Relationship between aflatoxin synthesis and *Aspergillus flavus* development. *African J Mycology and Biotechnology*. 13(2): 35-51. **Impact factors:**



18. El-Shanawany AA, **Eman Mostafa Mohamed** and Barakat A (2005): Fungal population and mycotoxins in silage in Assiut and Sohag governorates in Egypt , with a special reference to characteristic aspergilli toxins. *Mycopathologia*. 159: 281-289. *Impact factors: 3.3*
19. El-Kady IA and **Eman Mostafa Mohamed** (2004): Hydroxylation of progesterone by some *Trichoderma* species. *Folia Microbiol*. 49(3): 285-290. *Impact factors: 098*
20. **Eman Mostafa Mohamed**, Zohri AA and Ragaa SM Kotby (2001): Lipid, sterol and ergosterol accumulation in isolates of dematiaceous hyphomycetes. *Czech. Mycol*. 53(2):149-159. *Impact factors: 0.172*
21. Zohri AA and **Eman Mostafa Mohamed** (2000): Ethanol production from dates in Saudi Arabia on industrial scale , *Mycobiology (KOREA)* , 28(2), 76 - 81, 2000
22. Zohri AA and **Eman Mostafa Mohamed** (2000): Biotransformation of steroids by some thermophilic and thermotolerant fungi grown on yeast–starch and molasses media. *Bull. Fac. Sci., Assiut Univ*. 29 (2_b): 425-431.
23. **Eman Mostafa Mohamed and Zohri AA** (2000): Progesterone side-chain degradation by some species of *Aspergillus flavus* group. *Folia Microbiol*. 45(3): 243-247. *Impact factors: 0.98*
24. El-Maraghy MSS, Zohri AA and **Eman Mostafa Mohamed** (1998): Accumulation of lipid and sterol by some isolates of *Aspergillus niger* and *Aspergillus flavus* groups utilizing whey under the influence of trace elements. Proceedings of the third Saudi symposium on food and nutrition .King of Saudi Arabia, King Saudi University College of Agriculture, Food Science & Nutrition Department Riyadh 07-114. (26-29/10).
25. **Eman Mostafa Mohamed and Zohri AA** (1997): Utilization of sugar cane molasses for lipid, sterol and ergosterol production by *Cochliobolus spicifer* Nelson. *African J. of Mycology and Biotechnology*. 5(2): 63-72. *Impact factors:*
26. El-Kady IA, Zohri AA, **Eman Mostafa M** and Ragaa SM Kotby (1997): Phyllosphere and phylloplane fungi of some Herbal plants belonging to Labiatae, Solanaceae and Umbelliferae in Egypt. *Qatar Univ. Sci. J*. 17(2): 247-264. *Impact factors:*
27. Zohri AA, Sabah Saber M and **Eman Mostafa Mohamed** (1997): Effect of the selenite and tellurite on the morphological growth and toxin production of *Aspergillus parasiticus* var. *globosus* IMI 120920. *Mycopathologia*. 139: 51-57. *Impact factors:*



28. **Eman Mostafa Mohamed (1996):** Lipid and sterol accumulation in twenty species of *Penicillium* on whey. Proceeding of the first International Conference on Fungi: Hopes & Challenges. (1): 99-104. Egypt, The Regional center for *Mycology and Biotechnology* (2-5 September).
29. **El-Kady IA, Zohri AA, Eman Mostafa Mohamed and Ragaa SM Kotby (1996):** Lipid and sterol production by moulds on sugar cane molasses by –product. Proceeding of the first International Conference on Fungi: Hopes & Challenges. vol. (1): 87-98. Egypt, The Regional center for Mycology and Biotechnology (2-5 September).
30. **Khalil AM and Eman Mostafa Mohamed (1996):** Microbiological transformation of progesterone by some zoosporic fungi .*J Basic Microbiol.* 36(4): 255-259. *Impact factors:*
31. **El-Maraghy MSS and Eman Mostafa Mohamed (1996):** The inhibitory effect of different kinds of spices on the growth and toxin production by toxigenic fungi. The first International Conference on basic sciences and advanced technology. Egypt Assiut, Assiut University, Faculty of science (9-11 November).
32. **El-Kady IA, El-Maraghy SS and Eman Mostafa Mohamed (1995):** Natural occurrence of mycotoxins in different spices in Egypt. *Folia Microbiol.* 40(3): 297-300. *Impact factors:* 0.117
33. **El-Kady IA and Eman Mostafa Mohamed (1995):** Production of Cytochalasins C, D & E from dematiaceous hyphomycetes. *Folia Microbiol.* 40(3): 301-303. *Impact factors:* 0.117
34. **Eman Mostafa Mohamed (1995):** Progesterone transformation as a diagnostic feature in the classification of the *Aspergillus niger* group. *Letter in Applied Microbiology.* 20: 243-246. *Impact factors:* 1.8
35. **El-Kady IA, Eman Mostafa Mohamed and Zohri AA (1995):** Utilization of cheese whey for lipid and sterol production by some isolates of xerophilous fungi. *Folia Microbiol.* 40(2): 209-212. *Impact factors:* 0.117
36. **El-Kady IA, Moubasher MH and Eman Mostafa Mohamed (1995):** Accumulation of sugar alcohols by filamentous fungi. *Folia Microbiol.* 40(5): 481-486. *Impact factors:* 0.117
37. **El-Kady IA, Moubasher MH and Eman Mostafa Mohamed (1994):** Glycerol production by two filamentous fungi grown at different ionic and nonionic osmotic and cheese whey. *Folia Microbiol.* 39 (3): 203 – 207. *Impact factors:* 0.307



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38. Moubasher MH and **Eman Mostafa Mohamed (1994)**: Nutritional and environmental factors affecting glycerol production by *Aspergillus wentii* IMI 023010. *Cryptogamie, Mycol.* 15(3): 175-186. **Impact factors: 0.117**
39. El-Kady IA and **Eman Mostafa Mohamed (1994)**: Inhibitory effects of spices on growth and aflatoxin production by *Aspergillus flavus*. *Proceedings of the second Saudi symposium on food and nutrition.* 146-158 Kingdom of Saudi Arabia, King Saudi University, College of Agriculture, Food Science Department (7-10 November).
40. El-Kady IA, El-Maraghy MSS and **Eman Mostafa Mohamed (1993)**: Antibacterial and antidermatophyte activities of some essential oils from spices. *Qatar Univ. Sci. J.* 13(1): 63-69. **Impact factors: 1.22**
41. El-Kady IA; El-Maraghy MSS and **Eman Mostafa Mohamed (1992)**: Contribution of the mesophilic fungi of different spices in Egypt. *Mycopathologia.* 120: 93-101. **Impact factors: 1.81**

7. TRAINING

International Workshop in the Field of Specialization (Microbiology)

6_a-Trainee

1. Mycotoxins and Phycotoxins **10-14 / 11 / 1990** in Academy of Scientific & Technology, Cairo, Egypt
2. International IUPAC Symposium on Mycotoxins and Phycotoxins **27-31/ 5 / 1996.** Istituto Superiore di Sanita Roma Italia
3. Gene Cloning and Recombinant DNA Technology **16-20 / 3 / 2003.** The Molecular Biology Research Unit of Assiut University, Assiut Egypt.
4. Medical Mycology **19-24 / 3 / 2005.** Assiut University Mycology Center AUMC.
5. Biodiversity of Indoor and Outdoor Air-Borne Fungi and their Role in Human, Animal, and Plant Diseases and in Food Deterioration **18-23 / 3 / 2006.** Assiut University Mycology Center AUMC , Assiut Egypt .

6_a- Participated of Scientific sessions and the whole activates of the workshop & conference

6. Microbial Production of Ethanol **5-7/ 11 / 2008.** Sugar Technology Research Institute Assiut University, Assiut Egypt .
7. The first International Conference of biological Sciences **4-5 / 3 / 2009.** Assiut University, Assiut Egypt .
8. Biodiversity of genera and species of fungi which deteriorate food materials with special attention to toxigenic and human , animal and plant pathogenic species **7-11/ 3 / 2009.** Assiut University Mycology Center AUMC, Assiut Egypt
9. The first International Conference on Basic and Applied Mycology **9-11\3\2010.** Assiut University Mycology Center AUMC, Assiut Egypt



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10. The second International Conference on Basic and Applied Mycology 9-11\3\2010. Assiut University Mycology Center AUMC, Assiut Egypt

Trainee

Title	Date
1-International Publishing of Research (R ₁)	24-26/11/ 2007
2-Use of Technology in Teaching (T ₁)	1-3 / 12 / 2007
3-Legal and Financial Aspects in University Environment (M ₃)	8-10/ 12 / 2007
4-Communication Skills (C ₁)	15-17/12 /2007
5-Research Team Management (R ₂)	29-31/12 / 2007
6- Credit Hour System (T ₂)	24-26 / 1 / 2008