

Dr: Mohamed F. Awad



Assistant Professor of Applied Mycology
Botany and Microbiology Department,
Faculty of Science, Al-Azhar University, Assiut
Branch, 71524 Assiut, Egypt. Fax:
002088325436

Work phone: 002088325647, 002088312193

Mobile: 00201112290707, 00201032930300

Email: mo_fadl2004@yahoo.com
drmofadl@gmail.com

Associate Professor of Mycology
Biology Department, Faculty of Science, Taif University, Saudi Arabia

Mobile:00966561326724, 00966549196796

Email: mo.fadl@tu.edu.sa

Personal Profile

Date of Birth : November 18th, 1975
Nationality : Egyptian
Mother Tongue: Arabic
Foreign language: English, Deutsch
Gender : Male

Highly motivated, good interpersonal and communication skills, with experience in microbiological sciences, Mycology, Fungal taxonomy, Isolation and purification of fungi, Fungal ecology, Fungal physiology, Fungal secondary metabolites, , Fungal biotechnology and Mycopathology.

Education

- **B.Sc.** in Botany, Faculty of Science, Al-Azhar University Assiut, Egypt (1999) with general grade very good.
- **Pre-M.Sc.** Degree in microbiology, Botany and Microbiology Department, Faculty of Science, Al-Azhar University, Cairo, Egypt (2001).

- **M.Sc.** in Microbiology (fungi) under title “Production of Cholesterol Oxidase from Microbial Origin “Botany and Microbiology, Department, Faculty of Science, Al-Azhar University, Assiut, Egypt (2006).
- **PhD** Microbial Biotechnology, (Mycological studies of the activated sludge from MBRs related to the biological activity of fungi in raw wastewater treatment), September (2011) Chair of Chemical and Process Engineering, Technical University, Berlin, Germany. <https://depositonce.tu-berlin.de/handle/11303/3304>

Employment

1. Demonstrator in Botany and Microbiology Department, Faculty of Science, Al- Azhar University, Assiut, Egypt (2000).
2. Assistance lecturer in Botany and Microbiology Department, Faculty of Science, Al-Azhar University, Assiut, Egypt (2006).
3. Lecturer in Botany and Microbiology Department, Faculty of Science, Al-Azhar University, Assiut, Egypt (2012).
4. Assistant Professor of Mycology in Biology Department, Faculty of Science Al-Azhar University, Assiut, Egypt (2017).
4. Assistant Professor of Mycology in Biology Department, Faculty of Science, Taif University, Saudi Arabia (2014)

Activities

➤ Conferences

- **Awad, M. F** and. M. Kraume. Occurrence of fungi in activated sludge from MBRs. Fourth Saudi Science Conference Contribution of Science Faculties in the Development Process of KSA. Proceeding book. POS-MIC-67, 93. March 21-24th, Al-Madinah Al-Munawwarah, KSA
- **Awad, M. F.** and M. Kraume. Mycological survey of aerobic and anoxic activated sludge in MBRs. International Conference on water- International Water Association. Apr. 11-14, 2010. Lisbon, Portugal.

- **Awad, M. F.** and M. Kraume. The Occurrence of fungi in activated sludge from MBRs. International Conference on Ecological Science- Issue 71. ISSN: 1307-6892. Proceeding book 813-816. World Academy of Science, Engineering and Technology. November 24-26, 2010. Venice- Italy (2010).
- **Awad, M. F.** and M. Kraume. The occurrence of fungi in activated sludge from MBRs. Society for Industrial Microbiology 60th Annual Meeting and Exhibition. August 1-5. 2010. San Francisco, USA.
- **Awad, M. F.** and M. Kraume. Mycoflora of activated sludge with MBRs in Berlin, Germany. International Conference on Agricultural and Biosystems Engineering WASET, Issue 78. ISSN: 376x-3778. Proceeding book 773-778. July 13-15, 2011, Amsterdam, Netherlands.
- **Awad M. F.** Mycological studies of the activated sludge from MBRs related to the biological activity of fungi in raw wastewater treatment. The First International WATERBIOTECH Conference “Biotechnology for Africa's sustainable water supply” October 9, 10 and 11, 2012 Cairo, Egypt.
- **Awad M. F.** Mycoflora of patients with malignancies in Assiut city. The First International Conference on New Horizons in Basic and Applied Sciences. Sep. 21-23, 2013. Hurghada, Egypt.
- **Awad M. F.** Biodegradation Potentials of Automobile Workshop Soil Mycoflora on Flow Station Petroleum Sludge in Taif. KSA. The Second International Conference on New Horizons in Basic and Applied Sciences. Aug. 1-6. 2015. Hurghada, Egypt.
- **Awad M. F.** Survey of Invasive Fungi from Patients with Malignancies. Thirty Meeting of the Saudi Society for the Life Sciences under the Conservation and Development Economics of the Red Sea. Apri.7-9.2015. Tabuk University, Tabuk. Saudi Arabia.
- **Awad M. F.** Mycoflora Associated with the Goat’s Hair and Sheep Wool in Taif, Saudi Arabia and the Ability of Some Fungal Isolates for Keratinase Activity. International

Conference on Biological, Environmental Sciences and Applications. March.23-25.2017. Luxor. Egypt.

➤ **Scientific workshops:**

Mycotoxins: Problems, Detection and Control

Organization: Botany and Microbiology Department, Faculty of Science, Al-Azhar University, Assuit Branch. 09-11-June 2014.

➤ **Memberships:**

- Member of the Society of Basic & Applied Mycology (Egypt)
- Member of the Saudi Society for the Life Sciences.
- Member of the German Society for Mycology
- Member of Mycological Society of China.

Publications

1. **Awad, M. F.** and M. Kraume (2010): The Occurrence of Fungi in Activated Sludge from MBRs. International Journal of Chemical and Biological Engineering 3-4: 180 -183.
2. **Awad, M. F.** and M. Kraume (2011): Mycological survey of activated sludge in MBRs, Mycoses. 54:(5), 229-235.
3. **Awad, M. F.** and M. Kraume (2011): Mycoflora of activated sludge with MBRs in Berlin, Germany. World Academy of Science, Engineering and Technology 54 2011. <https://www.waset.org/journals/waset/v54/v54-111.pdf>.
4. **Awad, M. F.** and M. Kraume (2011): Keratinophilic fungi in activated sludge of wastewater treatment plants in Berlin, Germany. Mycology: An International Journal of Fungal Biology, 2 :(4) 276–282.
5. **Awad, M. F.** and M. Kraume (2011): Fungal diversity in activated sludge from membrane bioreactors in Berlin. Canadian Journal of Microbiology, 57: (8) 693-698.
6. **Awad M. F** (2011): Mycological studies of the activated sludge from MBRs related to the biological activity of fungi in raw wastewater treatment. Thesis. http://opus.kobv.de/tuberlin/volltexte/2011/3249/pdf/awad_moh_amedfadl.pdf.
7. Abo-Kadoum, M. A., Abo-Dahab, N. F., **Awad, M. F.** & Abdel-hadi, A. M. (2013). Marine derived fungus *Penicillium aurantiogriseum*: a producer of bioactive secondary metabolites. Journal of Basic & Applied Mycology (Egypt) 01/2013; 4(1):77-83.
8. Abdel-Hadi, A.M., Abo-Dahab, N.F., **Awad, M.F.**, and Marwa Farok Elkady (2014). Extracellular

synthesis of silver nanoparticles by marine derived fungus *Aspergillus terreus* MALEX. Biosciences, Biotechnology Research Asia. 11(3):1179-1186.

9. Abdel-Hadi A.M., **Awad, M.F.**, Abo-Dahab, N., El-Shanawany, A., Abdelkader, M., and M. AboKadoum, M. (2015). Viridicatin and Dehydrocyclopeptine, two bioactive alkaloids isolated from marine derived fungus *Penicillium aurantiogriseum* AUMC 9759. Issues in Biological Sciences and Pharmaceutical Research. 3 :(11), 115-122.
10. **Awad, M.F.**, Abdel-Hadi, A.M., Abdulraouf, U.M., Zaki, E.M., and Mohamed H. Mohamed, H.M. (2016). Survey of Invasive Fungi from Patients with Malignancies. Int.J.Curr.Microbiol.App.Sci. 5(5): 532-542.
11. **Awad, M.F.**, Abdel-Hadi, A.M., Abdulraouf, U.M., Zaki, E.M., and Mohamed H. Mohamed, H.M. (2016). Invasive fungal infections and patients with malignancies in upper Egypt. International Journal of Microbiology and Mycology. 4(4):1-13.
12. **Awad, M.F.** (2017). Mycoflora in contaminated soil of automobile workshops and their abilities for biodegradation of used motor oil. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 8(1); 2005-2013.
13. **Awad, M.F.** (2017). Mycoflora Associated with the Goat's Hair and Sheep Wool in Taif, Saudi Arabia. African journal of microbiology research. 11(11): 458-465.
14. Ebied, A.M., Issa, A.A., and **Awad, M.F.** (2018). Micro Flora Associated with Freshwater Medicinal Leeches in Taif City, Saudi Arabia. Annual Research & Review in Biology, 25(5): 1-14. DOI: 10.9734/ARRB/2018/40570.
15. Mazrou, Y.S.A., Makhlof, A.H., Elseehy, M.M., **Awad, M.F.**, and Hassan, M.M. (2020): Antagonistic activity and molecular characterization of biological control agent *Trichoderma harzianum* from Saudi Arabia. Egyptian Journal of Biological Pest Control.30 (4).1-8. <https://doi.org/10.1186/s41938-020-0207-8>.
16. Issa, A., Ali, E., Abdel-Basset, R., Hassan, S., **Awad, M.F.**, Ebied, A.E. (2020): Application of Three Cyanobacteria in Foods and Feeds Biotechnology: Phosphorus Affects. Pak J Biol Sci. 23(1):55-62. doi: 10.3923/pjbs.2020.55.62.
17. Issa, A., Ali, E.F., Abdel-Basset, R., **Awad, M.F.**, Ebied, A.M., and Hassan, S.A. (2020): The impact of nitrogen concentrations on production and quality of food and feed supplements from three cyanobacteria and potential application in biotechnology. Biocatalysis and Agricultural Biotechnology. 24, March 2020, 101533 <https://doi.org/10.1016/j.bcab.2020.101533>. Available online 6 February 2020.
18. Mazrou, Y.S., Makhlof, A.H., Elbealy, E.R., Salem, M.A., Farid, M.A., **Awad, M.F.**, Hassan, M.M. and Ismail, M. (2020): Molecular characterization of phosphate solubilizing fungi *Aspergillus niger* and its correlation to sustainable agriculture. Journal of Environmental Biology.

41: 592-599. <http://doi.org/10.22438/jeb/41/3/MRN-1298>.

19. **Awad M.F.** and Ismail M. (2020). Nucleotide diversity among *Trichoderma spp.* collected from different locations and detection of within –species diversity. Asian Journal of Microbiology, Biotechnology and Environmental Sciences. 22(1): 38-43.
20. Mazrou, Y.S., Neha, B., Srutiben, G., Hardik, L., Kandalama, U.K., **Awad, M.F.**,and M.M. Hassan: Selection and characterization of novel zinc tolerant *Trichoderma* strains obtained by protoplast fusion. Journal of Environmental Biology. 41:
21. Issa, A., Ali, E., Abdel-Basset, R., Hassan, S., **Awad, M.F.**, Ebied, A.E. (2020): Antimicrobial Potential of Cyanobacteria Isolated from three sources in Western Saudi Arabia, against multidrug resistant pathogens. Egyptian Journal of Aquatic Research. In press.

Books Published

Awad, M.F.: Fungi and Cholesterol Oxidase Enzyme. VDM verlage. ISBN139783639165487 <http://www.amazon.com/Fungi-Cholesterol-Oxidase-Enzyme-Production/dp/3639165489>.

Supervision of the theses

- 1- **M.Sc. in Medical Microbiology (2014)**. "Mycoflora of patients with malignancies in Assiut city". Botany Department, Faculty of Science, Al-Azhar University, Assiut, Egypt.
- 2- **M.Sc. in Microbiology (2014)**. "Isolation and characterization of some bioactive compounds from marine fungi". Botany Department, Faculty of Science, Al-Azhar University, Assiut, Egypt.
- 3- **M.Sc. in Microbiology (Mycology) (2019)**. "Study the Prevalence of Candida Species Infection Responsible for the Vulvovaginitis in the Menopausal Women and the Possibility of Treatment by Anti-fungal, Al-Taif, KSA". Biology Department, Faculty of Science, Taif University, Saudi Arabia.
- 4- **M.Sc. in Microbiology (Mycology) (2019)**. "Experimental Study on the Secondary Metabolic Compounds Secreted from the Algicolous Marine Fungi Based on its Impact on Some Pathogenic Micro-organisms, Taif, KSA". Biology Department, Faculty of Science, Taif University, Saudi Arabia.

Peer reviewer for the following international journals

1. Mycology
2. African journal of microbiology research
3. Research Journal of Microbiology
4. Archives of Microbiology

References

Prof. Dr.-Ing. [Matthias Kraume](#), Head of Chair of Chemical & Process Engineering. Department of Process Engineering. Technische Universität Berlin. Secr. FH 6-1 Straße des 17. Juni 135, 10623 Berlin Germany. E-mail: sekretariat.vt@tu-berlin.de, matthias.kraume@tu-berlin.de

- <https://www.scopus.com/authid/detail.uri?authorId=36805521600>
- https://www.researchgate.net/profile/Mohamed_Awad3
- <https://scholar.google.com/citations?hl=ar&user=LFEn50QAAAAJ>
- <https://orcid.org/0000-0003-0467>
- <https://publons.com/dashboard/records/publication/authored/>