

Curriculum Vitae

Maysa Mohammed Ahmed Ali

**Associate Professor at Botany and
Microbiology Department, Assiut University,
Assiut, Egypt.**



Personal Information:

Name: Maysa Mohammed Ahmed Ali
Date of Birth: 27-07-1983
Martial Status: Married
Work: Associate professor at Botany and Microbiology Dept. Assiut Univ., Assiut, Egypt.
Address: Botany and Microbiology Department, Faculty of Science, Assiut University., Assiut, Egypt.
E-Mail: Dr.maysa33@yahoo.com, dr.maysa@aun.edu.eg
Mobile: +2 01000990408
Contact Address : Department of Botany and Microbiology, Faculty of Science, University of Assiut , Assiut 71515, EGYPT
Fax 20882342708

Academic Degrees:

- 1. B. Sc. in (Botany)**, Botany and Microbiology Department, Faculty of Science, Assiut University, Assiut, Egypt Grade: Excellent with honor, June 2004.
- 2. M. Sc. Botany (Microbiology)**, Botany and Microbiology Department, Faculty of Science, Assiut University, Assiut, Egypt, 2010.

3. Ph. D Botany (Microbiology), Botany and Microbiology Department,
Faculty of Science, Assiut University, Assiut, Egypt. 2014

4. Associate Professor (Microbiology), Faculty of Science, Assiut University,
Assiut, Egypt. 2022.

Research interests:

1. Applied Microbiology.
2. Yeast Identification
3. Treatment of wastes
4. Environmental Biotechnology.
5. Biomass Energy.
6. Renewable Energy

Research Related Experiences:

1. Have a good experience in isolation of yeast from, plants, soil, water & waste water
2. Treatment of different types of wastes to produce reduced sugars
3. Production of biofuels (Ethanol, Hydrogen, Biodiesel) from treated wastes by different microorganisms (Yeast, Bacteria, and Algae)
3. Biodiversity of yeast based on 16s rRNA gene and other housekeeping genes amplification and sequencing.
4. Comparison of 16s rRNA sequences of different bacteria with standard sequences present in the gene bank and construction of phylogenetic trees to determine the degree of homology in between.
5. Isolation of DNA from yeast.
6. Using Genbank (<http://www.ncbi.nlm.nih.gov/>) tools for accurate identification of microorganisms using BLAST (Basic Local Alignment

Search tool).

7. Isolation and identification of mycotoxins

8. Gas Chromatography and HPLC.

Teaching Experiences:

- Microbial Toxins
- Physiology of fungi
- Food microbiology
- Plant kingdom
- Microbial metabolism
- Plant anatomy
- Plant morphology
- Microbial Biotechnology
- Plant Physiology
- Yeast
- Industrial Microbiology
- Mycology

Languages:

- Arabic (maternal language).
- English (read, write, speak).

Supervisor on M.SC Thesis under The Following

Title

- Aya Hassan Ahmed " Studies on production of biofuels from latex yielding plants using microorganisms"

Supervisor on Ph. D Thesis under The Following

Title

- **Somaya Mahmoud Mohammed “ Further physiological studies on yeasts producing some bioactive metabolites”**
-

Awards

- **The highest research award with impact factor 2022 Assiut University**
-

Conferences

- The second conference for Young Scientists & quote;Basic Science & Technology" 18 – 19 October (2008), Assiut University.
 - The first International conference of Biological Science, 4 -5 March (2009), Assiut University.
 - The 7th International Conference for Development and the Environment in the Arab World. Held in Assiut University. 23 – 25 March 2014.
 - Second International Conference on "Basic and Applied Mycology", 14 -15 March (2015), Assiut University Mycological Centre (AUMC). Assiut,Egyp.
 - The 8th International Conference for Development and the Environment in the Arab World. Held in Assiut University. 22 – 24 March 2016.
 - The 10th International Conference of Pharmaceutical Science, Faculty of Pharmacy , Assiut University. 13 -14 April 2016.
 - The 5th conference for Young Scientists & quote;Basic Science & Technology, Faculty of Science, Assiut University. 29 October – 1 November 2016.
 - The 9th International Conference Of Plant Science and Microbial Biotechnology (ICPMB). 6-7 November (2019), Botany and Microbiology department, Faculty of Science, Sohag University.
 - The 10th International Conference for Development and the Environment in the Arab World. Held in Assiut University. 8-10 November, 2020.
 - The 11th International Conference for Development and the Environment in the Arab World. Held in Assiut University. February, 2022.
-

Workshops

- Workshop on "Techniques in Molecular Biology", 28 January – 2 February (2006), Faculty of Science Sohag University.
-

- Workshop on "some application of bioinformatics in molecular biology", 12 February (2008), The Molecular Research Unit of Assiut University.
- Workshop on "Microbial Production of Ethanol", 5 – 7 November (2008), Sugar Technology Research Institute (STRI) Assiut University.
- The 18th workshop on "Yeast fungi: Biodiversity and their role in biotechnology and in human, animal and plant diseases", 16-18 March (2015), Assiut University Mycological Centre (AUMC). Assiut, Egypt.
- Training Course of "Application of Molecular Markers in Biology", 29 -31 May (2016), Molecular Biology Laboratory at Faculty of Agriculture Assiut University.
- Work shop on "Essential steps in data analysis for international publishing" 1-3 March (2022), Botany and Microbiology department, Assuit university.
- Training Course of “ Plant tissue culture: theoretical basis and practical applications” , 26 – 27 March (2022), Central Laboratories, Faculty of Agriculture Assiut University.

Publications:

- 1- Optimization of the fermentation conditions for ethanol production by new thermotolerant yeast strains of *Kluyveromyces* sp. African Journal of Microbiology Research 7(37): 4550 – 4561(2013). Hashem, M.: Zohri, A. A. and **Maysa M. A. Ali**.
- 2- Production of ethanol from Egyptian sugar cane molasses using different fermentation strategies. Assiut Univ. J. of Botany (EGYPT) 43(1): 57 – 74(2014). A.A., Zohri, W. S. Ragab and **M. A. Ali**
- 3- Ethanol production from Egyptian sugar cane molasses by different yeast strains using batch fermentation. J. of Basic and Applied Mycology (EGYPT) volume 5:43 – 49 (2014). A.A., Zohri, W. S. Ragab and **M. A. Ali**
- 4- Utilization of cheese whey for bio-ethanol production. Universal Journal of Microbiology Research 2(4): 57-73 (2014). DOI: 10.13189/ujmr.2014.020401. A.A., Zohri, N. H. Gomah and **M. A. Ali**.
- 5- Single cell proteins (SCP) formation as addition value during ethanol production by Egyptian yeast strains. Accepted in Egyptian Sugar Journal, SugarTechnology Research Institute, Assiut University (EGYPT) 8: 00 – 00 (2016). Abdel-Naser A. Zohri, Mohamed Hashem and **Maysa M. A. Ali**.

- 6- Data on morphological features change of pre-hydrolysis treated sugarcane bagasse using in-situ sodium hydroxide-sodium bisulfate method. Accepted in Data in brief journal 24 (2019). (<http://creativecommons.org/licenses/by/4.0/>). Abdel-Naser Zohri, Mohamed Abdelwahab, **Maysa Ali**, Sara Ibrahim and Mohamed Abdelazim.
- 7- Isolation and Molecular Identification of yeasts in different food stuff and determination their abilities for phenols and flavonoid productivity by HPLC. International Journal of Ecotoxicology and Ecobiology. 4(3): 71-79 (2019). Eman Mostafa Mohamed, **Maysa Ahmed** and Somaya Nassar.
- 8- Continuous Ethanol Production from Molasses via Immobilized *Saccharomyces cerevisiae* on Different Carriers on Pilot Scale. Egypt. J. Bot. Vol. 60, No.3 pp. 879- 888 (2020). Abdel-Naser A. Zohri, **Maysa Mohammed Ahmed**, Omar Abdel-Aziz Moustafa Ibrahim
- 9- Optimization of Glycerol Production by a New Osmotolerant *Wickerhamomyces anomalus* AUMC 11687 Yeast Strain Using Response Surface. Egypt. J. Bot., Vol. 61, No. 1, pp. 53-60 (2021) **Maysa Ali**, Abdel-Naser Zohri
- 10- Latex-bearing plant (*Calotropis procera*) as a biorefinery for bioethanol production. Biomass Conversion and Biorefinery (2021). <https://doi.org/10.1007/s13399-021-01479-w>. Aya H. Mahmoud¹ & Haitham M. El-Bery & **Maysa M. Ali** & Eman S. Aldaby¹ & Asmaa M. M. Mawad & Ahmed A. Shoreit.
- 11- Enhancement of microalgae biomass, lipid production and biodiesel characteristics by mixotrophic cultivation using enzymatically hydrolyzed chitin waste. Biomass and Bioenergy. Volume 154, 2021. Mohamed Gomaa and **Maysa M. A. Ali**.
- 12- Production and application of natural food pigments by *Monascus ruber* using potato chips manufacturing wastes. Bulletin of Pharmaceutical Science. Assuit. Volume 44, 2021. Hossam E. F. Abdel-Raheem, Sedky H. A. Hassan and **Maysa M. A. Ali**.
- 13- Optimization of *Monascus purpureus* for natural food pigments production on potato wastes and their application in ice lolly. Hossam E. F. Abdel-Raheem , Sulaiman A. Alrumman , Samir I. Gadow , Mohamed H. El-Sayed , Dalia M. Hikal, Abd El-Latif Hesham and Maysa M. A. Ali. Frontiers in Microbiology, 01 June 2022. doi: 10.3389/fmicb.2022.862080.
- 14- Endophytic fungus *Neopestalotiopsis clavispora* AUMC15969: biosynthesis and characterization of exopolysaccharides and biodiesel production. Mostafa M. Koutb,

Elhagag A. Hassan, Nemmat A. Hussein, Fahd M. Abdelkarem, Hussein H. Abulreesh, Khaled Elbanna, Yulu Yang, El-Sayed Salama & Maysa M. Ali. Biomass Conversion and Biorefinery (2023).

15- Microalgal upgrading of the fermentative biohydrogen produced from *Bacillus coagulans* via non-pretreated plant biomass. Eman S. E. Aldaby, Aya H. A. Mahmoud, Haitham M. El-Bery, Maysa M. Ali, Ahmed A. Shoreit & Asmaa M. M. Mawad. *Microbial Cell Factories* (2023) 22:190.

16- Screening of yeast ability to decolorization and complete biodegradation of malachite green textile dye and investigation of. Nivien Allam; Eman Mostafa Mohamed; Somaya Mahmoud Nassar; Maysa Ahmed Ali. *Bulletin of Pharmaceutical Sciences Assiut University*. 11, Volume 47, Issue 1, June 2024, Page 179-195.