

Walaa Ahmed Al-Shareef

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Microbiology Associate Professor with a demonstrated history of working in the academic field, seeking a position in which my skills, knowledge, and experience can further college students' education.

- **Head of Microbiology and Immunology Department**, Faculty of Pharmacy, October 6 University, Egypt, Jan2021 - Present.
- **Lecturer in the Department of Microbiology and Immunology**, Faculty of Pharmacy, October 6 University, Egypt, Sep2014 - Present.
- **Main member in Quality Assurance Unit**, Faculty of Pharmacy, October 6 University, Egypt, Sep2014 - Present.
- **Manager and Principal of Biotechnology Unit**, Faculty of Pharmacy, October 6 University, Egypt, Sep2014 - Present.
- **Main member in Measuring and Assessment Center**, October 6 University, Egypt, Jul2020 - Present.

- **Lecturer, Department of Microbiology and Immunology**, Faculty of Pharmacy, October 6 University, Egypt, Sep2014 - Present.
- **Assistant lecturer, Department of Microbiology and Immunology**, Faculty of Pharmacy, October 6 University, Egypt, Oct2010 - Aug2014.
- **Assistant lecturer, Department of Microbiology and Immunology**, Faculty of Dentistry, October 6 University, Egypt, Oct-2012 - Aug2014.
- **Assistant lecturer, Department of Microbiology and Immunology**, Faculty of Medicine, October 6 University, Egypt, Oct2011 - Aug2012.
- **Demonstrator, Department of Microbiology and Immunology**, Faculty of Pharmacy, October 6 University, Egypt, Oct2002 - Aug2010.

- **Course Certificate, Bioinformatics for Biologists**, Futurelearn, 2021.
- **Diploma's Degree, Genomic and Bioinformatics**, Cairo University, 2020/2021.
- **Associate Professor in Pharmaceutical Sciences**, Microbiology and Immunology, October 6 University, Egypt, 2021.
- **Ph.D. in Pharmaceutical Sciences**, Microbiology and Immunology, Cairo University, Egypt, 2014.

Ph.D. Thesis:

“Enhancement of azo dyes biodegradation by bioaugmentation and immobilization of microbial cells in wastewaters”.

Published in: **World Applied Sciences Journal**

<http://www.idosi.org/wasj/wasj32%282%2914/1.pdf>

Professional
Summary

Professional
Occupations

Experience

Education

- **Master's Degree in Pharmaceutical Sciences**, Microbiology and Immunology, Cairo University, 2010.
M.Sc. Thesis:
“*Impact of Post antibiotic effect induced by clindamycin and chlorhexidine on the virulence factors of oral streptococci and staphylococci*”
Published in: **International Journal of Microbiological Research**
<http://www.idosi.org/ijmr/ijmr4%282%2913/13.pdf>
- **Bachelor's Degree in Pharmaceutical Sciences**, Faculty of Pharmacy, October 6 University, Egypt, 2002, **Excellent Degree with honor.**

❖ **Independent Researchs**

1. **Enhancement of Antimicrobial and Antiproliferative Activities of Standardized Frankincense Extract Using Optimized Self-Nanoemulsifying Delivery System**
<https://www.mdpi.com/2218-0532/89/3/36>
2. **Study of tet(X) Gene Variants by Multiplex Polymerase Chain Reaction in Clinical Isolates of Klebsiella pneumonia Resistant to Tigecycline**
<https://benthamopen.com/EPUB/BMS-TOMICROJ-2020-63>
3. **The metabolomic analysis of five Mentha species: cytotoxicity, anti-Helicobacter assessment, and the development of polymeric micelles for enhancing the anti-Helicobacter activity**
<https://pubs.rsc.org/en/content/articlelanding/2021/ra/d0ra09334c#!divAbstract>
4. **Thymol Nanoemulsion: A New Therapeutic Option for Extensively Drug Resistant Foodborne Pathogens**
<https://www.mdpi.com/2079-6382/10/1/25>
5. **Guided isolation of potential bioactive constituents from pomegranate agrifood by-product**
<https://www.sciencedirect.com/science/article/abs/pii/S0308814620308554>
6. **The emergence of carbapenemase *bla*_{NDM} genotype among carbapenem- resistant *Enterobacteriaceae* isolates from Egyptian cancer patients**
<https://link.springer.com/article/10.1007/s10096-020-03839-2>
7. **Evaluation of antimicrobial Effectiveness of EndoVac and Laser for treatment of infected permanent root Canals**
https://edj.journals.ekb.eg/article_76012.html
8. **The Comparative Evaluation of the Post-Antimicrobial Effect of MTAD[®] and 2% Chlorhexidine Against *Enterococcus faecalis* of Permanent Teeth with Necrotic Pulp**
<https://pubmed.ncbi.nlm.nih.gov/31949529/>
9. **Validated HPLC Determination of the Potential Anti-Helicobacter pylori,**

- 10. What is behind phylogenetic analysis of hospital-, community- and livestock-associated methicillin-resistant *Staphylococcus aureus*? (2018)**
<https://onlinelibrary.wiley.com/doi/pdf/10.1111/tbed.13170>

- 11. Improvement of the Decolorization of Azo Dye (Direct Red 81) by Immobilized Cells of *Bacillus pumilus* and Free Cells of *Aspergillus clavatus* in Textile Waste Waters. (2018)**
<https://researchgate.net/publication/325274542>

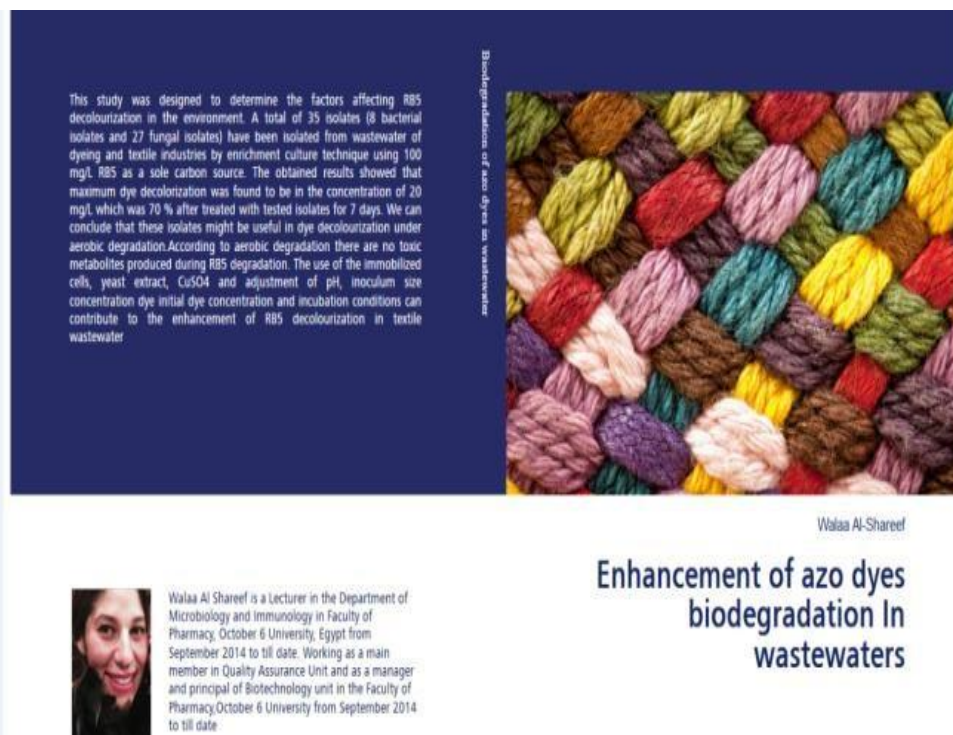
❖ Projects

▪ Ph.D. Thesis Project I:

“*Enhancement of azo dyes biodegradation in wastewaters*”

In Lambert (American and Germany publisher) and Amazon, October, 2016

<https://www.amazon.com/Enhancement-azo-dyes-biodegradation-wastewaters/dp/3659968838>



▪ Ph.D. Thesis Project II:

“*Decolorization of Reactive Black 5 by Micrococcus luteus and Candida albicans in Wastewaters*”

In *World Applied Sciences Journal* 32 (2): 153-163, 2014

▪ Ph.D. Thesis Project III:

“*MICROBIAL DECOLOURIZATION OF AZO DYE BY FREE AND IMMOBILIZED CELLS IN WASTEWATERS*”

In *Egypt. J. Biotechnol. Vol. 47, October 2014*

▪ M.Sc. Project:

“*Morphology Changes and Inhibition of Enzymes Production During PAE Induced by Clindamycin and Chlorhexidine Against Oral Streptococci*”

In *International Journal of Microbiological Research* 4 (2): 193-202, 2013

❖ **Conferences**

- 1- **The 10th International Scientific Conference**, Faculty of Pharmacy, Cairo University, On 6th-7th, July 2021.
- 2- **The 6th International Conference**, Faculty of Pharmaceutical and Drug Industries Research Division, October 23-24/2017.
- 3- **The 8th International Scientific Conference**, Faculty of Pharmacy, Cairo University, On 22 April 2017, for the poster presentation entitled “Screening of valid and expired non-sterile pharmaceutical products for any possible microbial contamination using microbiological testing and molecular biology techniques” as a Corresponding Author.
- 4- **The Microbiology for all Conference**, MSA, October City, on 9th of March 2017.
- 5- **The 13th National Conference of National Committee for Biochemistry and Molecular Biology** (Advances in Biochemistry and Molecular Biology in Diagnosis and Treatment), on 23-24 March 2016.
- 6- **The 22nd Conference of the Egyptian Society for Medical Microbiology (ESMM)** In Collaboration with Microbiology Department, Faculty of Medicine, Zagazig University, on April 16th, 2016.
- 7- **The 5th International Scientific Conference**, Faculty of Pharmacy, Cairo University for the poster presentation entitled “Enhanced decolorization of Reactive Black 5 by immobilized cells of *Penicillium roqueforti* and *Aspergillus fumigatus*”, on April 23-24, 2014.
- 8- **The 4th International Scientific Conference**, Faculty of Pharmacy, Cairo University for the poster presentation entitled:
“Biological Decolorization of The Azo dye, Reactive Black 5 by *Micrococcus luteus* and *Candida albicans* in wastewaters”, on April 24 -25, 2013.
- 9- **The 3rd International Scientific Conference**, Faculty of Pharmacy, Cairo University for the poster presentation entitled:
“A prolonged Post antibiotic effect of Clindamycin and Chlorhexidine against oral streptococci” , on April 25 -26, 2012.
- 10- **The 1st International Scientific Conference**, Faculty of Pharmacy, Cairo University, April 2010.
- 11- **The 1st International Scientific Conference**, Faculty of Pharmacy, Cairo University, on March 29, 2008.

❖ Workshops

1. **Preparing of University Teacher**, Feb 2020, Helwan University, Cairo, Egypt.
2. **Technology Transfer Bootcamp**, July 2019, National Research Centre, Giza, Egypt.
3. **Strategic Planning for Colleges and Institutes of higher education**, March 2019, National Authority for Quality Assurance and Accreditation of Education.
4. **Self-evaluation of colleges and institutes of higher education**, 10-11 March 2019, National Authority for Quality Assurance and Accreditation of Education.
5. **Scientific writing**, 12-14 March 2019, National Authority for Quality Assurance and Accreditation of Education.
6. **Writing effective exam questions**, April 2018, National Authority for Quality Assurance and Accreditation of Education.
7. **Natural Journal for Scientific Research**, May 2018, National Authority for Quality Assurance and Accreditation of Education.
8. **Self-Evaluation for H.E. Faculties and Institutes**, 7-9 March 2017, National Authority for Quality Assurance and Accreditation of Education.
9. **Educational Programs and Courses Specifications and Evaluation of Learning Outcomes for H.E. Institutes**, 27-29 September 2016, National Authority for Quality Assurance and Accreditation of Education.
10. **Exam System and Students Assessment Methods**, 9-10 May 2016, National Authority for Quality Assurance and Accreditation of Education.
11. **Basic Concepts of Molecular Biology**, March & April 2016.
12. **Operation and Maintenance of Fermenter Equipment**, February 2016.
13. **Teaching Strategies and Effective Learning**, 16-17 November 2015.
14. **Your Genome in Your Hand**, on 14th and 15th January 2015.
15. **Basic of Bioinformatics workshop**, 7-8 December 2014.
16. **Mini Option Real Time PCR**, 2 January 2014.
17. **Real-time PCR**, Biotechnology Center, Faculty of Pharmacy, Cairo University, 27, 28 November 2013.
18. **Curriculum Mapping course**, 6-10 December 2012, National Authority for Quality Assurance and Accreditation of Education.
19. **The Methods of Teaching**, April 2010, National Authority for Quality Assurance and Accreditation of Education.