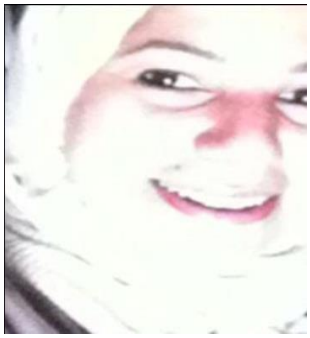


Curriculum Vita

I- Personal information:	dr.walaa@o6u.edu.eg lolowation@gmail.com linkedin.com/in/walaa-alshareef-8a70baa5
1) Full Name:	Walaa Ahmed Ameen Alshareef
2) Title:	Associate Professor of Microbiology and Immunology
3) Nationality:	Egyptian
4) Date of birth:	2/7/1978
5) Place of birth:	Saudi Arabia
6) Marital status:	Married
7) Address:	Faculty of Pharmacy, October 6 University
8) E-Mail:	dr.walaa@o6u.edu.eg
9) H-Index (according to Scopus):	7
10) Website:	https://scholar.google.com/citations?pli=1&authuser=1&user=TUBG3ScAAAAJ
11) ORCID:	0000-0003-3487-9044
12) Scopus author ID:	▪ Walaa Al-Shareef
II- Education:	(October 6 University, 2002)
III- Professional occupations:	• 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 - 2019.

- Manager and Principal of Biotechnology Unit, Faculty of Pharmacy, October 6
- University, Egypt, Sep2014 - 2020.
- Main member of Biotechnology Unit, Faculty of Pharmacy, October 6
- University, Egypt, 2021- present
- Main member in Measuring and Assessment Center, October 6 University, Egypt, Jul2020 - Present.

IV- Experience:

- Associate professor of Microbiology and Immunology, Faculty of Pharmacy, October 6 University, Egypt, 2021 - Present.
- Lecturer, Department of Microbiology and Immunology, Faculty of Pharmacy, October 6 University, Egypt, Sep2014 - 2020.
- 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.

a) Teaching experience:

- 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

• 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

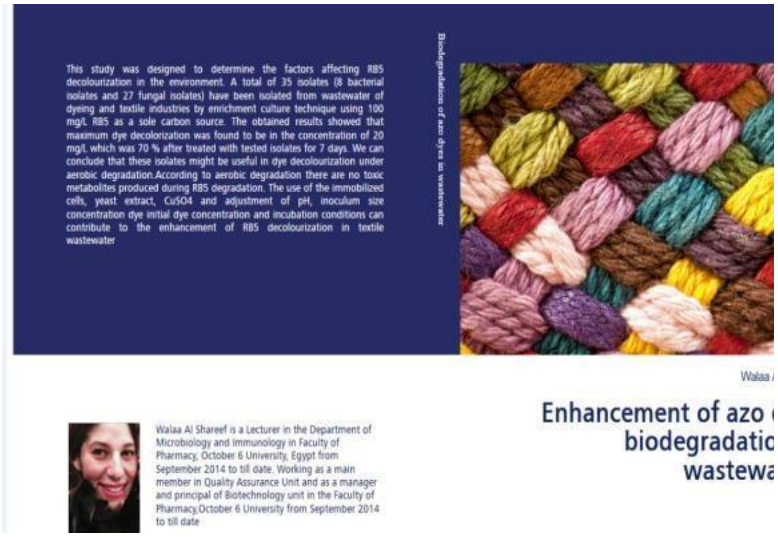
• Bachelor's Degree in Pharmaceutical Sciences, Faculty of Pharmacy, October 6 University, Egypt, 2002, Excellent Degree with honor.

1. 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

b) Research experience and list of publications:

1. Therapeutic Switching of Rafoxanide: a New Approach To Fighting Drug-Resistant Bacteria and Fungi
2. Antibacterial Activity of Nanoclay - Modified Glass Ionomer versus

Nanosilver - Modified Glass Ionomer
3. Miniaturized solid-state sensor for inline monitoring of the microbial biodegradation of a biohazardous textile azo dye (Direct Red-81)
4. What Is behind the Correlation Analysis of Diarrheagenic E. coli Pathotypes?
5. Comparative Analysis of Human and Animal E. coli: Serotyping, Antimicrobial Resistance, and Virulence Gene Profiling
6. Clonal Diversity and Epidemiological Characteristics of ST239-MRSA Strains
7. Thymol Nano-emulsion: A New Therapeutic Option for Extensively Drug Resistant Foodborne Pathogens
8. The metabolomic analysis of five Mentha species: cytotoxicity, anti-Helicobacter assessment, and the development of polymeric micelles for enhancing the anti-Helicobacter activity
9. 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
10. 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
11. 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
12. Thymol Nanoemulsion: A New Therapeutic Option for Extensively Drug Resistant Foodborne Pathogens https://www.mdpi.com/2079-6382/10/1/25
13. Bioassay-guided isolation of potential bioactive constituents from pomegranate agrifood by-product https://www.sciencedirect.com/science/article/abs/pii/S0308814620308554
14. The emergence of carbapenemase blaNDM genotype among carbapenem- resistant Enterobacteriaceae isolates from Egyptian cancer patients https://link.springer.com/article/10.1007/s10096-020-03839-2
15. Evaluation of antimicrobial Effectiveness of EndoVac and Laser for treatment of infected permanent root Canals https://edj.journals.ekb.eg/article_76012.html
16. 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/

17. Validated HPLC Determination of the Potential Anti-Helicobacter pylori, Lepidine, in Lepidium sativum Seeds Assessed by Molecular Docking Study (2019) Research & Publications https://aprh.journals.ekb.eg/article_40852.html
18. 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
19. 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

c) Training and Attendance of conferences :

- Conferences

1. Challenges of National Research and Pharmaceutical Industry, Sep 2022, October 6 University, Cairo, Egypt.
2. Future perspectives on drug research & sustainable development, 11th & 12th July 2023, MUST, Cairo
3. The 24th Biennial Evergreen International Phage Meeting, entitled "Reshaping Pharma Sustainability and Innovation for Better Pandemic Response". On 3rd-4th, August 2021, Scotland (online).
4. The 10th International Scientific Conference, Faculty of Pharmacy, Cairo University, On 6^{th} ,7^{th} , July 2021.
5. The 6th International Conference, Faculty of Pharmaceutical and Drug Industries Research Division, October 23-24/2017.
6. 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.
7. The Microbiology for all Conference, MSA, October City, on 9th of March 2017.
8. 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.
9. 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.
10. 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.

11. 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.

12. 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.

13. The 1st International Scientific Conference, Faculty of Pharmacy, Cairo University, April 2010.
14. The 1st International Scientific Conference, Faculty of Pharmacy, Cairo University, on March 29, 2008.

- Workshops
  1. Machine learning Project, EG-CompBio Nile and GUC University), 2022
  2. Data analysis and Visualization by R, EG-CompBio Nile and GUC University), 2022
  3. MODA (MultiOmics Data (Analysis, EG-CompBio Nile and GUC University), 2023
  4. Single Cell Genomics Analysis, EG-CompBio Nile and GUC University), 2023
  5. Preparing of University Teacher, Feb 2020, Helwan University, Cairo, Egypt.
  6. Technology Transfer Bootcamp, July 2019, National Research Centre, Giza, Egypt.
  7. Strategic Planning for Colleges and Institutes of higher education, March 2019,
  8. National Authority for Quality Assurance and Accreditation of Education.
  9. Self-evaluation of colleges and institutes of higher education, 10-11March 2019,
  10. National Authority for Quality Assurance and Accreditation of Education.
  11. Scientific writing, 12-14 March 2019, National Authority for Quality Assurance and Accreditation of Education.
  12. Writing effective exam questions, April 2018, National Authority for Quality Assurance and Accreditation of Education.
  13. Natural Journal for Scientific Research, May 2018, National Authority for Quality Assurance and Accreditation of Education.
  14. Self-Evaluation for H.E. Faculties and Institutes, 7-9 March 2017, National Authority for Quality Assurance and Accreditation of Education.

	15. 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. 16. Exam System and Students Assessment Methods, 9-10 May 2016, National Authority for Quality Assurance and Accreditation of Education. 17. Basic Concepts of Molecular Biology, March & April 2016. 18. Operation and Maintenance of Fermenter Equipment, February 2016. 19. Teaching Strategies and Effective Learning, 16-17 November 2015. 20. Your Genome in Your Hand, on 14th and 15th January 2015. 21. Basic of Bioinformatics workshop, 7-8 December 2014. 22. Mini Option Real Time PCR, 2 January 2014. 23. Real-time PCR, Biotechnology Center, Faculty of Pharmacy, Cairo University, 27, 28November 2013. 24. Curriculum Mapping course, 6-10 December 2012, National Authority for Quality Assurance and Accreditation of Education. 25. The Methods of Teaching, April 2010, National Authority for Quality Assurance and Accreditation of Education.
V- Awards:	1. NA
VI- Memberships in the committee:	1. Main member in German Arab Research Network for Computational Life Science
VII- Other activities:	1. Editor at • MDPI (Antibiotics) • BMC Complementary Medicine and Therapies • Frontiers in Cellular and Infection Microbiology