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Personal data:

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Academic studies

- 2011:** **Ph. D. in Pharmaceutical Microbiology** from Faculty of pharmacy Tanta University.
- 2006:** **Master Degree in Pharmaceutical Microbiology** from Faculty of pharmacy Alexandria University.
- 2002:** Bachelor of Pharmacy, Faculty of Pharmacy, Alexandria University.
With general grade **Excellent with honour degree.**

Title of Ph D: Microbiological studies on diabetic foot infections.

Title of M Sc: Optimization of the biotechnological production of cyclosporin A.

Publications :

1. Abozahra* R, Abdelhamid SM, Elsheredy AG, Abdulwahab KE,, Baraka K. Genotyping and Molecular Characterization of Carbapenem-resistant *Acinetobacter baumannii* Strains Isolated from Intensive Care Unit Patients. *Microbiology and Biotechnology Letters*. 2021;49:239-248. <https://doi.org/10.48022/mbi.2008.08012>
2. Abozahra, R., El-Kholy MA., Baraka, K. Virulence genotyping of drug resistant *Pseudomonas aeruginosa* clinical isolates in Egypt using

multiplex PCR. Gene Reports. 2021; (22) 101000.
<https://doi.org/10.1016/j.genrep.2020.101000>

3. Abozahra, R., Mokhles, M., Baraka, K. Molecular genotyping of *Giardia lamblia* assemblages by conventional PCR in rural and urban areas in Egypt.. *Microbes and Infectious Diseases*, 2021; 2(2): 378-385. doi: 10.21608/mid.2021.55720.1103
4. Abozahra R, Abdelhamid SM, Wen MM, Abdelwahab I, Baraka K. A Nanoparticles based Microbiological Study on the Effect of Rosemary and Ginger Essential Oils against *Klebsiella pneumoniae*. *The Open Microbiology Journal*. 2020. 14 (1)
5. Abozahra R, Abdelhamid SM, Khairy K, Baraka K. Detection and phylogenetic analysis of Human bocavirus in children diagnosed with acute respiratory tract infection. *Journal of Medical Microbiology*. 2020. 69 (9), 1197-1202
6. Abozahra R, Mokhles M and Baraka K. Prevalence and Molecular Differentiation of *Entamoeba histolytica*, *Entamoeba dispar*, *Entamoeba moshkovskii*, and *Entamoeba hartmanni* in Egypt. *Acta Parasitologica*. 2020. DOI 10.1007/s11686-020-00241-y
7. El-Sawaf G, Eissa M, Ghazal A, Metwally D, **Abozahra R** and Rafla W. Molecular Diagnosis of Human Metapneumovirus Infection Among Egyptian Infants With Acute Bronchiolitis. . *International Journal of Current Microbiology and Applied Science*. 2017. 6(3): 2430-2437.
8. Abdelhamid S and **Abozahra R**. Expression of the fluoroquinolones efflux pump genes *AcrA* and *mdfA* in *Escherichia coli* clinical isolates. *Polish Journal of Microbiology*. 2017. 66(1): 23-28.
9. Aboushleib H and **Abozahra R**. Quorum quenching effect of some natural products in *Acinetobacter baumannii* clinical isolates. *New Egyptian journal of Microbiology*. 2016. 45: 115-126
10. El-Nakeeb M, Omar H, **Abozahra R** and Badr E. Comparative Study of Different Methods of Detection of β -lactamase Production in Gram Negative Bacterial Isolates and Studying Induction of Resistance to Cefipime. *International Journal of Current Microbiology and Applied Science*. 2016: 5 (11). 106-120.
11. Soliman M, **Abozahra R**, Gaafar A, Younes A, Affr N. Determination of *mecA* expression and other resistance mechanisms in methicillin-

resistant *Staphylococcus aureus* isolated from *Oreochromis niloticus* (Nile tilapia). *African Journal of Microbiology Research*. 2016; 10(14). 481-485.

12. Aboushleib H, Omar H, **Abozahra R**, Baraka K. Molecular detection of a novel quorum sensing system regulating some virulence factors in *Stenotrophomonas maltophilia* clinical isolates in Egypt. *Egyptian journal of biotechnology*. 2015. 50: 107-118.
13. Gaafar A.Y., Soliman M. K., Ellakany H. F., Affr N. A., Elbialy A. K., Mona S. Zaki , Younes A. M and **Abozahra R**. Comparative pathogenecity of methicillin-resistant *Staphylococcus aureus*(MRSA) in Nile tilapia (*Oreochromis niloticus*) and *Tilapia zilli*. *Life Science Journal* 2015;12(3):186-194.
14. Aboushleib H, Omar H, **Abozahra R**, Elsheredy A, Baraka K. Correlation of quorum sensing and virulence factors in *Pseudomonas aeruginosa* isolates in Egypt. *Journal of infection in developing countries*. 2015; 9(10):1091-1099.
15. **Abozahra R**. Quorum Sensing and Interspecies Interactions in *Stenotrophomonas maltophilia*. *British Microbiology Research Journal*. (2013). 3(3): 414-422.
16. El-Banna T, Abd El-Aziz A, Abo-Kamar A, Ghazal A and **Abozahra R**. In vitro activities of three kinds of antibiotics against *Staphylococcal* biofilm and planktonic cultures. *Afr. J. Microbiol. Res.* (2010). 4(21): 2275-2282.
17. Abd El-Aziz A, El-Banna T, Abo-Kamar A, Ghazal A and **Abozahra R**. In vitro and in vivo Activity of some Antibiotics against *Staphylococcal* Biofilm and Planktonic Cells Isolated from Diabetic Foot Infections. *Journal of American Science*. (2010). 6(12): 760-771.
18. H. El Enshasy, Y. Abdel Fattah, A. Atta, M. Anwar, H. Omar. S. Abou Elmagd, and **R. Abou Zahra**. (2007). Kinetics of cell growth and cyclosporin A production by *Tolypocladium inflatum* when scaling up from shake flask to bioreactor. *J.Microbiol. Biotechnol.* **18(1)**: 128-134.
19. Y. Abdel Fattah, H. El Enshasy, A. Atta, M. Anwar, H. Omar. S. Abou Elmagd, and **R. Abou Zahra**. (2007). Application of factorial experimental design for optimization of cyclosporin A production by

Tolypocladium inflatum in submerged culture. J.Microbiol. Biotechnol. **17(12)**: 1930-1936.

Posters and Presentations:

- Aboushleib H, Omar H, **Abozahra R**, Elsheredy A, Baraka K. Correlation of quorum sensing and virulence factors in *Pseudomonas aeruginosa* isolates in Egypt. First PUA international conference on Advances in Pharmaceutical Sciences. Pharos University in Alexandria, Egypt. 27-29, October 2015.
- El-Banna T, Abd El-Aziz A, Abo-Kamar A, Ghazal A and **AboZahra R**. In vitro activity of some antibiotics against *Staphylococcal* biofilm and planktonic cultures. Biovision 2010

Working Experience:

- 2018-2020:** **Acting vice dean for Education and Student affairs**, Faculty of Pharmacy- Damanhour University.
- 2017 -2021:** **Associate Professor** in the Microbiology and Immunology Department Faculty of Pharmacy- Damanhour University.
- 2011 -2017:** **Lecturer** in Microbiology and Immunology Department Faculty of Pharmacy- Damanhour University.
- 2011:** **Lecturer** in Microbiology Department Faculty of Pharmacy- Pharos University.
- 2006 - 2011:** **Assistant lecturer** in Microbiology Department Faculty of Pharmacy- Pharos University.
- 2003 – 2006:** **Researcher** in Mobarak City for Scientific Research and technology Applications (Genetic Engineering and Biotechnology Research institute).
- 2002:** **Demonstrator** in Pharmacognosy department in Faculty of Pharmacy-Alexandria University.
- 2002–2003:** Medical Representative in Novartis pharmaceutical Company.

Supervisions

1. **Ph.D. thesis:** Molecular detection of the virulence and antibiotic resistance determinants in some selected Gram-negative nosocomial isolates. **Student:** Kholoud Maher Baraka. Microbiology Dept., Faculty of Pharmacy, Alexandria University. 2015
2. **M.Sc. thesis:** Microbiological study of bacterial resistance to cefepime, a fourth generation Cephalosporin. **Student:** Eman Mohammed Hassan Badr. Microbiology Department, Faculty of Pharmacy, Alexandria University. 2016
3. **M.Sc. thesis:** Molecular study of Giardia and Entamoeba Species in Egypt. **Student:** Moustafa Mokhles El-Sayed. Microbiology and Immunology Department Faculty of Pharmacy Damanhour University. 2020
4. **Ph.D. thesis:** A Nanotechnology based microbiological study on the effect of some herbal essential oils against common Enterobacteriaceae. **Student:** Ibrahim Ashraf Ibrahim Abdelwahab. Microbiology and Immunology Department Faculty of Pharmacy Damanhour University. 2020.
5. **M.Sc. thesis:** Detection of human bocavirus infection in children with acute respiratory tract infection in Egypt. **Student:** Karim Khairy Hanna Bekhit. Microbiology and Immunology Department Faculty of Pharmacy Damanhour University. 2020.

Workshops:

1. Academic standards and Educational programs work shop.
Date: 16 February 2017.
Venue: Damanhour University
2. Quality Management and Development
Date: 16 February 2017.
Venue: Damanhour University
3. Funding of scientific projects.
Date: 25 July 2016.
Venue: Faculty of Pharmacy, Damanhour University.
4. Advanced molecular biology (PCR & DNA sequencing) and bioinformatics.
Date: 29 August- 1 September 2015.
Venue: Medical technology center, Medical research institute, Alexandria University.
5. Molecular biology workshop.
Date: 19-23 October 2014.
Venue: Faculty of Medicine, Alexandria University.

6. Training workshop on “Bioinformatics”. A training workshop in biological databases, sequence alignment, gene prediction and phylogenetics.

Date: 9-10 December 2013.

Venue: Faculty of Agriculture, Alexandria University.

7. Workshop for training on SPSS software, Damanhour University

Date: November 2013

Venue: Damanhour University

8. Workshop for training on Frontpage software, Damanhour University

Date: November 2013

Venue: Damanhour University

9. Gene expression analysis: Genomics and proteomics workshop. Hosted by Egybiotech for Research and Biotechnology.

Date: 27-28 October 2013.

Venue: Royal Tulip hotel Alexandria.

10. Research essentials workshop. Organized by center for special studies and programs, Bibliotheca Alexandrina.

Date: 18-19 December 2012.

Venue: Bibliotheca Alexandrina.

Conferences:

- The Second PUA international conference on Multidisciplinary Approaches in Pharmaceutical Sciences. Pharos University in Alexandria, Egypt. 11-12, March 2020
- International conference on Pharmaceutical & Health Care Sciences. PHS 2019. 6-7 November 2019. Alexandria Egypt.
- BioVision Alexandria 2016. 12-14 April 2016. Bibliotheca Alexandrina.
- First PUA international conference on Advances in Pharmaceutical Sciences. Pharos University in Alexandria, Egypt. 27-29, October 2015.
- Pharmaceutical Biotechnology “The Revolution of Science”. 24-25 December 2014. IGRS Biotechnology Scientific Society. Alexandria.
- Biovision 2014. 7-9 April 2014. Bibliotheca Alexandrina.
- 18th Annual Scientific conference of the Egyptian Association of endocrinology, diabetes and atherosclerosis. 6-8 November 2013. Alexandria.
- The role of science, engineering and technology in achieving sustainable human development in the Arab Region. 30-31 December 2012. Bibliotheca Alexandrina.
- International conference on “Challenges Facing Health”. 7-8 November 2012. Bibliotheca Alexandrina.

- 7th conference of the laboratory medicine in Alexandria. “Bridging the Gap”. 26-28 September 2012.
- Biovision 2010. 11-15 April 2010. Bibliotheca Alexandrina.

Reviewed Articles for:

1. Journal of Medical Microbiology. (**Outstanding reviewer 2019**)
2. Journal of Medical Microbiology case reports.
3. Current Microbiology.
4. Access Microbiology.
5. African Journal of Microbiology Research.
6. Microbiology Research Journal International
7. International journal of microbiology and biotechnology.
8. International Journal of Tropical Disease & Health
9. Journal of Advances in Medicine and Medical Research
10. British Microbiology Research Journal.
11. International Journal of Microbiology Research.
12. Herald Journal of Microbiology and Biotechnology.
13. Universal Journal of Medicine & Dentistry.
14. Journal of Medicine and Medical Sciences.
15. Academic Journal and Research in Agricultural Science.
16. American Chemical Science Journal.
17. Journal of Pharmaceutical Research international.

Teaching Experience:

1. Participate in teaching lectures of Microbiology to undergraduate pharmacy students, Faculty of Pharmacy, Damanhour University.
2. Supervising Laboratory courses of Microbiology for undergraduate pharmacy students, Faculty of Pharmacy, Damanhour University.
3. Participate in teaching special Microbiology courses (Master, PhD) to postgraduate pharmacy students, Faculty of Pharmacy, Damanhour University.
4. Participate in teaching lectures and Laboratory courses of Microbiology

Additional Courses:

2002: "Professional Development Seminar"

It included Communication & Selling Skills, Essentials of Marketing & Small Business.

2001: Basic Selling Skills

1999: Sales Man Ship 1

Grade "A"

Sales Man Ship 2

Grade "A"

Marketing Management Grade "A"

Selling Management Function Grade "A"

From the Arab Academy of Science & Technology in Cooperation with A.U.C

Skills:

Language: English (**TOEFL** "Grade A")

Computer: **SPSS** (2014)

ICDL (10-03-2009)

 Excel "in the Arab Academy of Science & Technology"

Grade "A"

 Work with basic computer programs (MS Office, Word, Power
 Point)