

Dr. Azza Mohamed Said Zakaria Hanafi

Job Title: Assistant Professor at Microbiology and Immunology Department

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PERSONAL DATA

- DATE OF BIRTH: 24 November 1972
- NATIONALITY: Egyptian
- MARITAL STATUS: Married.
- LANGUAGES: Excellent written and spoken command of English Language.
Holding the FCE (First Certificate of English) from Cambridge University.
Passed the TOEFL exam.

Arabic is the native language.

EDUCATION

- Ph.D. in Pharmaceutical Sciences, Department of Pharmaceutical Microbiology, Faculty of Pharmacy, Alexandria University, EGYPT. **2006-now**
- Master in Pharmaceutical Sciences, Department of Pharmaceutical Microbiology, Faculty of Pharmacy, Alexandria University, EGYPT. **1999-2006**
- Bachelor in Pharmaceutical Sciences, Distinction of Honor, Faculty of Pharmacy, Alexandria University, EGYPT. **1995-1999**
- Graduated at the English Girls College, Alexandria, EGYPT. **1990**

ACADEMIC EMPLOYMENTS

- Assistant Professor of Pharmaceutical Microbiology, Faculty of Pharmacy, University of Alexandria. **2006-now**
- Academic advisor for Undergraduate students, Faculty of Pharmacy, University of Alexandria.
- Assistant Lecturer of Pharmaceutical Microbiology, Faculty of Pharmacy, University of Alexandria. **1999-2006**
- Demonstrator (teaching assistant) of Pharmaceutical Microbiology, Faculty of Pharmacy, University of Alexandria. **1995-1999**

PHARMACY PRACTICE POSITIONS HELD

- Quality control microbiologist and researcher at Alexandria Company for Chemical Industries and Drugs. **Jan 1996 - March 1996**

RESEARCH EXPERIENCES

- Post-doctoral researcher, Department of Microbiology and Immunology, Faculty of Pharmacy, University of Alexandria, Egypt. **2006-now**
- Post-doctoral researcher, Faculty of Pharmacy, King Saud University, Riyadh, Saudi Arabia. **2010-2015.**
- Scientific Supervisor of Master theses in Pharmaceutical Microbiology, Faculty of Pharmacy, University of Alexandria, Egypt. **2016-now**
- Full-time Ph.D. student, Department of Pharmaceutical Microbiology, Faculty of Pharmacy, University of Alexandria, Egypt. Thesis entitled: **Microbiological Studies on the Effect of Ascorbic Acid on the Activity of Some Antimicrobial Agents Against Multiresistant Clinical Isolates**". **1999-2006**
- Full-time M.Sci. student, Department of Pharmaceutical Microbiology, Faculty of Pharmacy, University of Alexandria, Egypt. Thesis entitled: **"Adhesion of Some Microorganisms to Soft Contact lenses"**. **1996-1999**
- Intensive practical and theoretical postgraduate courses of Pharmaceutical Microbiology, Molecular biology, Antibiotics, Microbiological quality control, Faculty of Pharmacy, University of Alexandria. **2000-2002**
- Intensive postgraduate courses of computer, mathematics and statistics, physics and advanced instrumental analysis, Faculty of Pharmacy, University of Alexandria. **1996-1997**

TEACHING EXPERIENCES

- undergraduate Lectures in Sterilization and sterility testing.
- undergraduate Lectures in General Microbiology.
- undergraduate Lectures in Microbial Contamination and Quality Control.
- undergraduate Lectures in Antiseptics and Disinfectants.
- Postgraduate courses in Advanced Pharmaceutical Microbiology, Faculty of Pharmacy, University of Alexandria.
- Supervisor of practical undergraduate courses of Pharmaceutical Microbiology, Faculty of Pharmacy, University of Alexandria.

COMMITTEES

- Member of the committee responsible for the preparation and presentation of the Faculty of Pharmacy annual conference, Faculty of Pharmacy, Alexandria University.

November 2016

- Member of the committee responsible for the revision of the faculty academic curriculums Faculty of Pharmacy, Alexandria University.

November 2016

PROFESSIONAL DEVELOPMENT

- Invited speaker to the 18th family medicine scientific conference 2015, Kuala Terengganu, Malaysia.
Talk entitled: **ANTIBACTERIAL ACTIVITY OF DIFFERENT HONEY TYPES ALONE OR COMBINED WITH ANTIBIOTIC ON SOME PATHOGENIC BACTERIAL STRAINS ISOLATED FROM INFECTED WOUNDS IN KSA. (Publication no.9).**

- Invited speaker to the 4th International Conference and Exhibition on Pharmaceutics and Novel Drug Delivery Systems 2014, San Antonio, Texas, USA.

Talk entitled: **A PROMISING APPROACH TO PROVIDE APPROPRIATE COLON TARGET DRUG DELIVERY SYSTEMS OF VANCOMYCIN HCL: PHARMACEUTICAL AND MICROBIOLOGICAL STUDIES. (Publication no.6)**

- Participant in the 3rd Saudi International Nanotechnology Conference 2014, Riyadh Saudi Arabia.
lecture entitled: **Silver Nanoparticles, A New Approach to Treat Wound Infections.**

- Participant into the Saudi International Biotechnology Conference 2012, Riyadh Saudi Arabia.
lecture entitled: **Gene Delivery and Gene Therapy.**

- Participant into the Saudi Hepatitis B Day 2012, Riyadh Saudi Arabia.
lecture entitled: **Hepatitis B Infection and Control.**

- Participant into the 10th Pan Arab Rheumatology Conference and 2nd Saudi Society of Rheumatology Conference 2012, Jeddah Saudi Arabia.
lecture entitled: **Communicable Infectious Diseases.**

INVITED TALKS/POSTERS BY OTHER CO-AUTHORS:

- Poster presentation in the 5th International Conference on Drug Discovery and Therapy, Dubai, UAE. **(Publication no.3).** **February 2013.**
- Invited speaker to the Graduate students annual scientific meeting, King Saud University, Riyadh, Saudi Arabia. **(Publication no. 4).** **November 2013.**

ATTENDED CONFERENCES/WORKSHOPS:

- **25-26/05/2009** Workshop entitled "Quality Standards and its application in higher education institutes" Faculty of Pharmacy, KSU, SA.
- **2-9/06/2009** Workshop entitled "Pulsed field Gel Electrophoresis", Faculty of Pharmacy, KSU, SA.
- **20-21/10/2009** Workshop entitled "Tablet Manufacturing Technologies" Faculty of Pharmacy, KSU, SA.
- **14/12/2009** Lecture entitled "Diabetes and Mediterranean Diet" Faculty of Medicine, KSU, SA.
- **11/01/2010** Lecture entitled "Skin Health" Faculty of Medicine, KSU, SA.
- **4-5/06/2010** Workshop entitled "Learning Management system" Faculty of Pharmacy, KSU, SA.
- **6-7/11/2010** Workshop entitled "Real Time PCR" Faculty of Pharmacy, KSU, SA.
- **1-2/03/2011** Symposium entitled "Pharmacotherapy in The Ambulatory Care Setting "A Multidisciplinary Approach" King Fahd Medical City, Riyadh, SA.
- **5-7/06/2011** "1st Saudi pharmacoeconomics conference" King Saud Medical City, Riyadh, SA.
- **6/4/2015** Symposium entitled "Working Through Changes Creating a New Integrated Pharmacy Practice Model In Academic Hospitals". King Saud Medical City, Riyadh, SA.
- **21/11/2016** Workshop entitled "Using Electron Microscope In Pharmaceutical Nanotechnology And Recent Medications" Faculty of Science, Alexandria, Egypt.
- **FLDC workshops attended:**
 - June 10-12, 2006 Code of ethics.
 - June 17-19, 2006 Effective presentation skills.
 - June 20-22, 2006 Teaching with technology.
 - June 24-26, 2006 New trends in teaching.
 - October 22-23, 2016 Managing crisis and disasters.
 - October 17-18, 2016 Decision making and problem solving.
 - October 19-20, 2016 Using international data bases.
 - October 29-30, 2016 Exams system and Student assessment.
 - October 26-27, 2016 Strategic Planning.
 - November 26-27, 2016 International conferences arrangements.

OTHER ACTIVITIES:

- Reviewer for the Internationally cited journal 'African Journal of Microbiology Research'.
3/2015- present.
- Reviewer for the Internationally cited journal 'British Microbiology Research Journal'
9/2015- present.

PUBLICATIONS

1. **Azza S. Zakaria, Nahla A. Melake, Nayira Abdel Baky, Nouf M. El Rasheed and Nermin H. Ibrahim.** In Vitro And In Vivo Studies Of Antibacterial Effect Of Ceftriaxone Moxifloxacin Combination Against Methicillin Resistant Staphylococcus Aureus Biofilms Formed On Biomedical Implants. African Journal of Microbiology Research Vol. 6(25), pp. 5399-5409, 2012.
2. **Nahla A. Melake, and Azza S. Zakaria.** In Vitro Activity of Linezolid Alone And In Combination With Glycopeptides Against Methicillin-Resistant Staphylococcus Aureus. International Research Journal of Microbiology (IRJM) (ISSN: 2141-5463) Vol. 3(4) pp. 127-135, 2012.
3. **Mohamed I Attia, Awwad A Radwan, Azza S Zakaria, Maha S Almutairi and Soraya W Ghoneim.** 1-Aryl-3-(1H-Imidazol-1-Yl)Propan-1-Ol Esters: Synthesis, Anti-Candida Potential And Molecular Modeling Studies. Chemistry Central Journal, 7:168, 2013.
4. **Mohamed I. Attia , Azza S. Zakaria, Maha S. Almutairi and Soraya W. Ghoneim.** In Vitro Anti-Candida Activity of Certain New 3-(1H-Imidazol-1-yl)propan-1-one Oxime Esters. Molecules, 18, 12208-12221, 2013.
5. **Mohamed I. Attia, Hazem A. Ghabbour, Azza S. Zakaria and Hoong-Kun Fun.** In Vitro Anti-Candida Activity And Single Crystal X-Ray Structure Of (1E)- 3-(1H-Imidazol-1-Yl)-N-(4-Nitrophenoxy)-1-Phenylpropan-1-Imine. Bangladesh J Pharmacol; 9: 43-48, 2014.
6. **Kadria A. Elkhodairy, Samar A. Afifi and Azza S. Zakaria.** A Promising Approach to Provide Appropriate Colon Target Drug Delivery Systems of Vancomycin HCL: Pharmaceutical and Microbiological Studies. BioMed Research International Volume 2014, Article ID 182197. 14 pages <http://dx.doi.org/10.1155/2014/182197>
7. **Nahla A. Melake, Azza S. Zakaria, Nermine H. Ibrahim, Magdy A. Salama and Amany Z. Mahmoud.** Prevalence of Agr Specificity Groups among in vitro Biofilm Forming Methicillin Resistant Staphylococcus aureus Strains Isolated from Nasal Carriers. International Journal of Microbiological Research 5 (2): 76-84, 2014.
8. **Nermin H. Ibrahim, Nahla A. Melake , Ali M. Somily , Azza S. Zakaria, Manal M. Baddour and Amany Z. Mahmoud.** The Effect Of Antifungal Combination On Transcripts Of A Subset Of Drug-Resistance Genes In Clinical Isolates Of Candida Species Induced Biofilms. Saudi Pharmaceutical Journal. 23, 55–66, 2015.
9. **Azza S. Zakaria.** Mechanism of Antibacterial Action of Honey on Pathogenic Wound Bacterial Strains: A Proteomic Analysis. Int Res. J. Pharm. 6 (11), 2015.
10. **Azza S. Zakaria, Samar A. Afifi, and Kadria A. Elkhodairy.** Newly Developed Topical Cefotaxime Sodium Hydrogels: Antibacterial Activity and In Vivo Evaluation. BioMed Research International Volume 2016, Article ID 6525163, 15 pages <http://dx.doi.org/10.1155/2016/6525163>