

Curriculum Vitae

Dr. Walid Faisal Elkhatib (MSc, PhD)

Name: Walid Faisal A. M. Elkhatib

Current Title:

Academic Professional at School of Pharmacy, Chapman University

Associate Professor (Microbiology & Immunology)

Former Acting Head of Microbiology & Immunology Department,
Faculty of Pharmacy, Ain Shams University, Cairo, Egypt

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elkhatib@chapman.edu

Academic Background

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| 2008 – 2010 | Post Doctorate Fellow at College of Pharmacy, University of Minnesota Duluth (UMD), Duluth, Minnesota, USA. |
| 2006 | Ph.D., Biotechnology & Pharmaceutical Microbiology
Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt. |
| 2001 | M.Sc., Medical Microbiology
Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt. |
| 1996 | B.Sc., Pharmaceutical Sciences (Excellent Honors)
Faculty of Pharmacy, Cairo University, Cairo, Egypt. |

Academic & Professional Appointments

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| 2014-2015 | Acting Head of Microbiology & Immunology Department,
Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt. |
| July 2013 – April 2014 | Visiting Scientist at Department of Pharmacy Practice, School of Pharmacy, Hampton University, Hampton, VA, USA. |
| Feb-July 2013 | Acting Head of Microbiology & Immunology Department,
Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt. |

- 2012 Spring** **Visiting Scientist** at: ¹Department of Pharmacy Practice, School of Pharmacy, Hampton University, Hampton, VA, USA.
²Department of Pediatrics, Eastern Virginia Medical School (EVMS), Norfolk, VA, USA.
- 2011 - Present** **Associate Professor** at Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt.
- 2010 - 2011** **Lecturer (PhD)** at Department of Microbiology & Immunology, College of Pharmacy, Ahram Canadian University (ACU), Giza, Egypt.
- 2011 Spring** **Lecturer (PhD)** at Microbiology Department, Faculty of Pharmacy, October University for Modern Sciences and Arts (MSA), 6th October, Egypt
- 2008 - 2010** **Post Doctorate Fellow** at College of Pharmacy, University of Minnesota Duluth (UMD), Duluth, Minnesota, USA.
- 2006 - 2011** **Lecturer (PhD)** at Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt.
- 2007 - 2008** **Visiting Research Assistant Professor** at College of Pharmacy, University of Minnesota Duluth (UMD), Duluth, Minnesota, USA.
- 2006 - 2007** **Lecturer (PhD)** at Department of Microbiology & Immunology, College of Pharmacy, Ahram Canadian University (ACU), Giza, Egypt.
- 2001 - 2005** **Assistant Lecturer (MSc)** at Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt.
- 1996 - 2000** **Graduate Demonstrator (T. A)** at Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt.

Training Workshops & Courses

Faculty & Leadership Development Project (FLDP) Workshops

- * Development of Department Heads' Capabilities (Development of University Education Center – Faculty of Education, Ain Shams University, 16-17/4/2013)
- * University Management: Training Program (FLDC, 14-15/9/2014)
- * Quality Criteria in Teaching Process (FLDC, 22-24/6/2013)
- * Time and Meeting Management (FLDC, 28-30/7/2012)
- * Effective Presentation Skills (FLDC, 29-31/10/2011)
- * Communication Skills in Different Learning Styles (FLDC, 24-26/9/2011)
- * Application of Technology in Teaching (FLDC, 17-19/9/2011)
- * International Publication (4-6/9/2010)
- * Criteria for Quality in Educational Process (31/8-2/9/2010)
- * Explore Your Own Leadership Possibilities (15& 23 Feb, 2010, UMD)
- * Code of Ethics
- * Writing Scientific Manuscripts for International Publishing
- * Course & Curriculum Design
- * Teaching With Technology
- * Time & Stress Management
- * Problem-Based & Project-Based Learning
- * Grading Written Assignments & Projects

*** Professional Certified Trainer**

- Academic Mentoring (20th June 2013 at PRDU Center – Ain Shams Univeristy)
- Credit Hour System (14th April 2013 at PRDU Center – Ain Shams Univeristy)
- Invited trainer from Pathways to Higher Education Egypt for Participation in Development of Thinking & Managerial Skills Program (Managerial Approach) held at Project Development, External Relations & Copyrights Center (PDERC) – Ain Shams University, Cairo, Egypt:
 - Basics of Managerial Economics (27th, 29th January & 5th February 2013)
 - Feasibility Studies (5th – 6th February 2013)

Professional Training Workshops & Courses

- * Not an add on: creating relevance with civic engagement (28 April, 2010, UMD)
- * Getting the Most from Your Student Evaluations (7 April, 2010, UMD)
- * Hot Topics: Creating more civil classroom (30 March, 2010, UMD)
- * Peak Performance: How to Become Your Ultimate Best (10 March, 2010, UMD)
- * Injecting (Inter) Cultural Competence into Our Courses (9 March, 2010, UMD)
- * Multiple means of measuring in outcome-based assessment (25 Feb, 2010, UMD)
- * Survival techniques for faculty who teach courses that students don't want to take (17 Feb, 2010, UMD)
- * Collaboration or plagiarism? The benefits of understanding the difference (10 Feb, 2010, UMD)
- * More *In Vivo*-Like Cell Cultures (Corning Seminar)
- * Emergency Preparedness & Response Training (UMD)
- * Molecular Biology & Genetic Engineering Principles and Progress
- * Protein Chemistry and Analysis
- * Hybridization & Recombinant DNA
- * Preparation of Recombinant Vaccines & Diagnostic Proteins
- * Fermentation Technology Workshop
- * Cloning of Bacteria
- * Tissue Culture Techniques
- * DNA Fingerprinting Training Workshop
- * Laboratory Diagnosis of Respiratory Viruses
- * Laboratory Biosafety Training Modules
- * Automatic Spiral Plater & Plate Reader Training Workshop
- * Bioscreen C Spectroscopy Training Workshop
- * Synergy²-Biotek Training Workshop
- * Hollow Fiber Bioreactor Training Workshop
- * Pharmacokinetic/Pharmacodynamic in-vitro Modeling
- * Confocal Scanning Laser Microscopy
- * Fluocytometry Training Workshop

* Fluorescent Microscopy Training Workshop

Other Training Workshops & Courses

* Training of Trainers (TOT) [Pathways to Higher Education conducted in cooperation with Ain Shams University held from 23th to 26th December 2012 at Ain Shams University, with net training hours of 25].

* Successful Character Building (Canadian Training Center 10-11/2/2012)

* Certified Professional Leader (Canadian Training Center 19-20/11/2011)

* International Computer Driving Licence (ICDL1/11/2012, EGY000993653)

* Interpersonal Communication (UMD)

* Focus and Attention (UMD)

* Stress & Time Management (UMD)

* Holistic Health Workshop (UMD)

* Write Winning Grants Workshop, at College of Pharmacy, University of Minnesota Duluth (UMD), by Dr. David Morrison, Feb 20, 2008.

* Early Career Faculty Series (UMD):

- Starting out on the right foot
- Managing classroom dynamics
- Backward course design
- Using active learning strategies
- Student, course & program assessment
- Teaching assessment & Evaluation
- Wrap-Up Session

* IR and FTIR Spectroscopy Training Course

* Chromatographic Analysis Training Course

* TOEFL Course

* Information Technology Course

Attended Conferences & Symposia

- The 4th Scientific Conference of Ain Shams University: Towards a national innovation system “Current indicators & future prospects”. Held on April 27-29th April 2015 in Grand Conference Hall - Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.
- Invited presentation at The 17th Congress of the Association of Pharmacy Colleges in the Arab World “New Trends In Drug Discovery, Development And Pharmacy Practice”. Held on October 14-16th, 2014 in Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.
- Invited presentation at the international congress on bacteriology and infectious diseases held on November 20-22, 2013 in Double Tree by Hilton Baltimore-BWI Airport, MD, USA.
- Humboldt Kolleg “Pharmaceutical and Biotechnological Therapies” conference under patronage of Alexander von Humboldt Foundation held at German University in Cairo (GUC), Egypt on 28 September – 1 October 2012.
- The First International Food Safety and Sanitation Symposium (IFSSS) held at Conference Center Alalfi Hall, American University in Cairo (AUC), New Cairo, Egypt on October 31st – November 1st, 2011.
- Biofilms: Microbial Sim Cities. Scientific symposia presented jointly by the Minnesota Craniofacial Research Training Program, Biotechnology Institute, Center for Infectious Diseases and Microbiology Translational Research Center, and AHC Infectious Diseases Corridor at the McGuire Translational Research Facility, Minneapolis MN, on June 24th, 2009.
- Introduction to Supercomputing and Bioinformatics at Minnesota Supercomputing Institute. Symposium at Life Science, University of Minnesota Duluth MN on Monday June 22nd, 2009 at 11 A.M.
- Invited presentation at nationwide Infectious Diseases Fellowship Forum, at Madden, Brainerd, MN, USA (June 4-7, 2009). Session day June 6, 2009.

- Invited presentation at Industrial Partnership for Research in Interfacial and Materials Engineering conference (IPRIME), Minneapolis, MN, USA (May 26 -28, 2009). Session day May 27th, 2009.
- The 48th Interscience Conference on Antimicrobial Agents & Chemotherapy /Infectious Diseases Society of America 46th Annual Meeting (48th ICAAC/IDSA 46th Annual Meeting) conference, Washington, DC, USA (October 25 – 28, 2008). Accepted abstract, entitled “High-Throughput *In Vitro* Model for Real-Time Monitoring of Mutant Selection from *Candida albicans* Biofilm”. Poster ID (PSN-ICAAC08PS1-M-1576). Session day: October 26th, 2008.
- The 47th Interscience Conference on Antimicrobial Agents and Chemotherapy (47th ICAAC) conference, Chicago, IL, USA (September 17 – 20, 2007).
- The First Conference on Research for Development: Towrds a Strategy for Application. Ain-Shams University, Cairo, Egypt (March 25 – 27, 2007).
- The 1st International Conference Of New Possibilities In LCMS From Applied Biosystems. At Hotel Four Seasons – Nile Plaza (December 3rd , 2006).
- The 7th International Conference Of The Egyptian Society Of Medical Microbiology And Departments of Microbiology And Immunology, Al-Azhar University, Cairo, Egypt (March 10 – 11, 1999).

Professional Activities & Services

Invited Reviewer for:

- World Journal of Pharmaceutical Sciences. Since January 25th, 2016.
- Journal of Basic Microbiology (JBM). Since January 1st, 2016.
- International Journal of Antimicrobial Agents (IJAA). Since December 2nd, 2015.
- Journal of Microbiology, Biotechnology and Food Sciences (JMBFS). Since January 22nd, 2015.
- Future Journal of Pharmaceutical Sciences (FJPS). Since October 10th, 2015.

- Invited editorial board member of International Journal of Advanced Biological and Biomedical Research (IJABBR). Since July 14th, 2014.
- Foodborne Pathogens & Disease (FPD). Since April 9th, 2014.
- Journal of Infectious Diseases (JID). Since, June 16th, 2008.
- Clinical Infectious Diseases (CID) Journal. Since, Nov. 6th, 2007.

Active Participation In:

- Interdisciplinary collaborative research projects with multiple institutions in USA including Hampton University (HU), Eastern Virginia Medical School (EVMS), Christopher Newport University (CNU), William & Mary Applied Research Center (WM-ARC) between July 2013 and April 2014.
- Organization of Ain Shams Scientific Conference entitles “The University and Green Economy: Towards a New Culture of Sustainability” held on 21 – 24 April 2013 at Supreme Conference Hall of Ain Shams University.
- Scientific collaboration on a project investigating the interaction of serum lipoprotein with the pathogenic bacteria Staphylococcus aureus during spring semester of 2012 at Eastern Virginia Medical School (Norfolk, VA, USA).
- Establishment of a state-of-the-art Microbiology & Molecular biology Lab and co-principal investigation on one of the NIH grants at School of Pharmacy, Hampton University (Hampton, VA, USA) during spring semester of 2012.
- Updating the Microbiology and Biosafety guidelines at School of Pharmacy, Hampton University (Hampton, VA, USA) during spring semester of 2012.
- Parasitology Course Specification at Microbiology Department, Faculty of Pharmaceutical Sciences & Pharmaceutical Industries – Future University in Egypt (FUE) during the Fall Semester of 2012 for quality assurance and accreditation.

- Continuous Improvement for Qualification & Accreditation Project (CIQAP) in Institutional Capability Criterion which involved Society Involvement & Environmental Development as well as in Financial Resources & Assets at Faculty of Pharmacy, Ain-Shams University (Since 2010).
- Attendance of different meetings, workshops, and symposia related to CIQAP which involved curriculum preparation, students' assessment, time management & strategic planning as well as participation in the action plan and academic mentoring for the students at Faculty of Pharmacy – Ain Shams University (2010).
- Consultant for Student Associations at Faculty of Pharmacy, Ain-Shams University (Since 2010).
- Microbiological Quality Assurance & Quality Control of Some Pharmaceutical Preparations for Testing their Sterility & Pyrogenicity at Faculty of Pharmacy, Ain-Shams University in Response to the Request of Ministry of Health & Population, Cairo, Egypt (May 15th – July 15th, 2007).
- Microbiological Quality Control of Pharmaceuticals at Experiments & Advanced Pharmaceutical Research Unit (EAPRU) at Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt (2005-2007).
- Specification & Description of Different Course Master Files and Course Outlines that are taught at Microbiology & Immunology Department, Faculty of Pharmacy, Ahram Canadian University (ACU), 6th of October City, Giza, Egypt.
- Courses' Specification of Microbiology & Immunology Department, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt for Quality Assurance & Accreditation Project (QAAP; 2006-2007).
- Construction and Establishment of Microbiology & Immunology Department, Faculty of Pharmacy, Ahram Canadian University (ACU), 6th of October City, Giza, Egypt.

- Construction and Establishment of Microbiology & Immunology Department, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt.

Other Professional & Academic Activities

- Consultant for Students' Association Committees at Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt (2013-2016).
- Academic supervisor of Jody sorority association, at Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt (2011-2016).
- Participation in scientific, cultural, artistic, and societal services through, Ain-Shams University (2011-2016).
- Participation, Preparation & organization of scientific lectures and symposia at at Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt.
- Supervision on short and long-term trips of undergraduate students at at Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt.
- Professional License as a Microbiologist (Issued by Ministry of Health & Population, Cairo, Egypt – License No. 2354 in September 7th, 2003). Such License enables me to carry out Microbiological Laboratory Diagnosis & Microbiological Quality Control at my own laboratory.
- Professional Pharmacist License (Issued by Ministry of Health & Population, Cairo, Egypt – License No. 35943 in August 20th, 1996).

External Examiner for Under Graduate Students At:

- Faculty of Pharmaceutical Sciences & Pharmaceutical Industries – Future University in Egypt (FUE).
- Faculty of Pharmacy, Ahran Canadian University (ACU), 6th of October City, Giza, Egypt.
- Faculty of Pharmacy, October University for Modern Sciences and Arts (MSA), 6th October, Egypt
- Faculty of Pharmacy, Misr University for Science and Technology (MUST), 6th October, Egypt.
- Faculty of Pharmacy, British University in Egypt (BUE), Shorouk City, Egypt.
- Faculty of Pharmacy, Egyptian Russian University, Badr city, Egypt
- Faculty of Pharmacy, Al-Azhar University for Girls, Cairo, Egypt.
- Faculty of Pharmacy, Al-Azhar University for Boys, Cairo, Egypt.
- Faculty of Pharmacy, Cairo University, Cairo, Egypt.
- Faculty of Pharmacy, Tanta University, Cairo, Egypt.
- Faculty of Pharmacy, Alexandria University, Cairo, Egypt.
- Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
- Faculty of Pharmacy, Asuit University, Asuit, Egypt.

Research Projects & Grants

Co-Principal Investigator during the Post-doctoral Fellowship at College of Pharmacy, University of Minnesota, in the Following Research Projects:

- Novel Tactics for Combating Central Venous Catheter-Biofilm Associated Infections (American Heart Association Project).
- Modeling Biofilm Infection of CF Lung: Antibiotic Pharmacodynamic Study (NIH Project).
- High-Throughput Pharmacodynamic Modeling of Antibiotic Combination Treatments Against Established Biofilms in a Dynamic Urinary Catheter System: A Focus on the Geriatric Population (SIDP Project).

- Novel Nanofiber Technology for Prevention of Biofilm associated infections (NIH-STTR Project).
- Pharmacodynamic Modeling of Novel Antibiotics versus Resistant Bacterial Biofilms (SIDP Project).

Continuing Medical Education (CME)

- Identifying and Correcting Common Cell Growth and Attachment Problems. Corning Webinar presented by Dr. Jeanne Phillips at 12:00 PM (ET).
- Data Analysis Methods for Whole Transcriptome Sequencing Applications: Challenges and Solutions. Web seminar presented by Dr. Olson on Thur, February 11th, 2010.
- Cell Storage and Cryogenic Preservation: Tips and Techniques. Corning Webinar presented by Vitaly Klimovich (PhD) on Tues, Jan 19th, 2010 at 12.00 PM (ET).
- RNA-Seq: Global Profiling of Gene Activity and Alternate Splicing. Geospiza, Inc. Webinar presented by Eric Olson (PhD) on Tues., June 30th, 2009 at 1:00 P.M.
- RTI Resistance on the Frontline of Care: PCPs Fight Back. CME Independent Educational Symposium and Simulcast for healthcare professionals. Presented by William Simpson (MD), Donald Low (MD) & Jerome Schentag (PharmD) on Saturday, June 27, 2009 at 9:30 – 11:30 A.M.
- Assay Miniaturization: Options available and helpful hints. Corning Webinar presented by Mark Ruthenberg (PhD). On Tuesday June 23rd, 2009 at 11 A.M.
- Gene Expression Profiling in Cancer Research: From Raw Data to Biological Significance. Geospiza, Inc. Webinar presented by Eric Olson (PhD) on Wednesday, June 3rd, 2009 at 10 A.M (PDT).

- Therapy for Community-Associated MRSA Infections: Antibiotics and More. Held in Bethesda, MD on December 15th, 2008 (Awarded 1.0 AMA PRA Category 1 Credist) through the National Foundation for Infectious Diseases [NFID] which is accredited by the ACCME.
- Antiviral Therapy for Influenza: A case-based approach for optimal management. At Renaissance Washington DC Hotel, Washington, DC on October 28th, 2008 (Awarded 2.0 AMA PRA Category 1 Credits™ through the Institute for Medical and Nursing Education [IMNE] which is accredited by the ACCME).
- Changing paradigms in treating complicated infections/resistant bacteria. At the Washington Convention Center, Washington, DC on October 27th, 2008 (Awarded 2.0 AMA PRA Category 1 Credits™ through Rosalind Franklin University of Medicine & Science which is accredited by the ACCME).
- MRSA: Managing an elusive pathogen. At the Washington Convention Center, Washington, DC on October 27th, 2008 (Awarded 2.0 AMA PRA Category 1 Credits™ through National Foundation for Infectious Diseases which is accredited by the ACCME).
- A global perspective: Rapid Molecular Diagnostics for the prevention of *Staphylococcus aureus* and MRSA infections. At the Washington Convention Center, Washington, DC on October 27th, 2008.
- Face the Nation: HIV in 2008. At the Washington Convention Center, Washington, DC on October 26th, 2008 (Awarded 2.0 AMA PRA Category 1 Credits™ through the University of Kentucky College of Medicine which is accredited by the ACCME).
- Resistance Wars III: On the frontlines of serious infections new strategies to optimize outcomes in an era of resistance. At the Washington Convention Center, Washington, DC on October 26th, 2008 (Awarded 2.5 AMA PRA Category 1

Credits™ through Penn State College of Medicine which is accredited by the ACCME).

- Immunization to prevent meningococcal disease: Yesterday, today, and tomorrow. At Washington, DC on October 25th, 2008 (Awarded 2.5 AMA PRA Category 1 Credits™ through the Discovery Institute of Medical Education [DIME] which is accredited by the ACCME).
- MRSA and Mycoses: Tough problems, new solutions. At Grand Hyatt, Washington, DC on October 25th, 2008 (Awarded 2.5 AMA PRA Category 1 Credits™ through Albert Einstein College of Medicine which is accredited by the ACCME).
- Capitalization on what we know about Gram-positive organisms: Three bad bugs – the battle continues. At the Washington Convention Center, Washington, DC on October 25th, 2008 (Awarded 2.25 AMA PRA Category 1 Credits™ through the Institute for Medical Studies [IMS] which is accredited by the ACCME).
- Methicillin-resistant *Staphylococcus aureus* and other resistant infections: An Expert Debate. At Chicago, IL on September 19th, 2007 (Awarded 2.00 AMA PRA Category 1 Credits™).
- Resistant Superbugs: Searching for the molecular and clinical lifeline for gram-positive infection. At the McCormick Place in Chicago, IL on September 16th, 2007.

Titles of Theses (PhD & MSc)

- Studies on Antimicrobial Activities of *Streptomyces* with the Aim of Antibiotic Production (PhD).

- The Role of Outer Membrane Proteins in the Development of Multiple Drug Resistant Organisms (MSc).

Professional Interests

- Microbial Biofilms (Inhibition & Eradication of Biofilms)
- Emergence & Epidemiology of Microbial Resistance
- Mechanisms of Microbial Resistance
- Control of Bacterial and Fungal Resistance
- Biotechnology for Antibiotic Production & its Scaling Up
- Fermentation Technologies & Optimization.
- Tissue Culture and Cytotoxicity
- Catheter & Prosthetic Devices Related Infections
- Pharmacokinetic/Pharmacodynamic Modeling for Anti-infectives

Honors & Awards

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| 2016 | Certificate of Recognition for exceptional teaching capabilities in Pharmaceutical Microbiology and Parasitology courses (first semester) based on the students' evaluation during the academic year 2015-2016. |
| 2015 | Certificate of Appreciation for development and automation of Students Affairs & Control Unit at Faculty of Pharmacy, Ain Shams University. |
| 2015 | Certificate of Appreciation for reviewing, evaluation, and grading the PhD proposals & short term Postdoctoral proposals submitted from different universities nationwide to Cultural Affairs and the missions sector (Ministry of Higher Education) in research fields of Microbiology & Immunology during the academic year 2014-2015. |
| 2015 | Certificate of Appreciation for heading of the steering committee for document preparation and criteria completion of Quacquarelli Symonds (QS) World University Ranking at Faculty of Pharmacy, Ain Shams University during the academic year 2014-2015. |
| 2015 | Certificate of Appreciation for active participation in Microbiological quality control and analysis of some final products of Egyptian Pharmaceutical companies through the Experiments & Advanced |

- Pharmaceutical Research Unit (EAPRU) at Faculty of Pharmacy, Ain Shams University during the academic year 2014-2015.
- 2015** Award of Outstanding International Publication from Ain-Shams University
- 2014** Certificate of Recognition for exceptional teaching capabilities in Pharmaceutical Microbiology and Parasitology courses (first semester) and General Microbiology Course (second semester) based on the students' evaluation during the academic year 2014-2015.
- 2014** Certificate of Appreciation awarded by the 17th Congress of the Association of Pharmacy Colleges in the Arab World for oral presentation of the research article. The conference entitled "New Trends In Drug Discovery, Development And Pharmacy Practice" and held on October 14-16th, 2014 in Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.
- 2013** Certificate of recognition from the international congress on bacteriology and infectious diseases for phenomenal and outstanding presentation (November 20-22, 2013 in Baltimore, MD, USA).
- 2013** Scientific award from Ain Shams University for outstanding scholarly activities.
- 2013** Appreciation award from Faculty of Pharmacy for effective participation in Quality Assurance Unit which lead to accreditation of Faculty of Pharmacy, Ain Shams University from National Authority for Quality Assurance and Accreditation of Education (NAQAEE) in October 2011.
- 2013** Partnership & Ownership (ParOwn) Grant-0911 from Ministry of Higher Education & State for Scientific Research, Cairo, Egypt for participating in collaborative reseach in the USA.
- 2011** Awards of Outstanding International Publication (Five Financial Awards) from Ain-Shams University
- 2010** Institution and Individual Award (Single yearly Memorial Prize of Professor Dr. Sallam in the field of Pharmaceuticals & Biopharmaceuticals) from Academy of Scientific Research and Technology.
- 2009** ICAAC ID Fellows Grant Program.
This program was awarded by American Society for Microbiology (ASM) which honorably sponsored my 49th ICAAC registration, airfare, ground transportation, and hotel stay during 49th ICAAC in San Francisco, CA, September 11 – 15, 2009.
- 2008** Post doctorate fellowship sponsored by College of Pharmacy, University of Minnesota Duluth (UMD) for two years.
- 2007** The Ministry of Higher Education & State for Scientific Research, Cairo, Egypt has awarded me an extension grant for pursuing my research

activities in the US for three months relying on the superb achievements that was reported by my advisor at the University of Minnesota, Duluth, USA.

- 2007** Formal Congratulation Letter from The Minister of Higher Education & State for Scientific Research, Cairo, Egypt for my ParOwn Grant-1106 attainment which was based on competence and excellence in research.
- 2007** Partnership & Ownership (ParOwn) Grant-1106 from Ministry of Higher Education & State for Scientific Research, Cairo, Egypt for participating in collaborative research in the USA for 3 months.
- 2006** Award from Egyptian Pharmacy Syndicate for Excellent Scientists in Pharmaceutical Sciences.

Teaching Experience

- Teaching of Parasitology & Pathology Courses for the second level students at Faculty of Pharmaceutical Sciences & Pharmaceutical Industries – Future University in Egypt (FUE) during the Summer Semester of 2014.
- Teaching of Parasitology Course for the second level students at Faculty of Pharmaceutical Sciences & Pharmaceutical Industries – Future University in Egypt (FUE) during the Fall Semester of 2012.
- Teaching of Biotechnology Course for fourth level students at College of Pharmacy – Ahrum Canadian University (ACU) during the Spring Semester of 2011.
- Participation in teaching of Public Health Course (PM 501) for fifth year Pharmacy students at Faculty of Pharmacy – October University for Modern Sciences and Arts (MSA), 6th October, Egypt, during the Spring Semester of 2011.
- Participation in teaching of Pharmaceutical & General Microbiology Courses for the students at College of Pharmacy – Ahrum Canadian University (ACU) during the Fall Semester of 2010.
- Participation in teaching activities for Doctor of Pharmacy (PharmD) students in the area of Infectious Diseases in Pharmacotherapy IV (Phar 6124) and Ethics & Law in Pharmacy Practice (6134) at Department of Pharmacy Practice & Pharmaceutical Sciences, College of Pharmacy, University of Minnesota Duluth (UMD) in Spring Semester 2010.

- Participation in teaching activities for Doctor of Pharmacy (PharmD) students in the area of Biopharmaceutics (Phar 6164) and Anti-infectives in Medicinal Agents III (Phar 6156) at Department of Pharmacy Practice & Pharmaceutical Sciences, College of Pharmacy, University of Minnesota Duluth (UMD) in Fall Semester 2009.
- Airborne bacterial infections, invited lectures for senior students in Biology/Health programs (Pre-professional Programs) at Swenson College of Science & Engineering, University of Minnesota Duluth (UMD), June, 2008.
- Prerequisite Courses Taught for PhD Students at Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt, including:
 - Immunology
 - Disease Microbiology
- Prerequisite Courses Taught for M.Sc. Students at Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt, including:
 - Microbial Diseases
 - Immunology
 - Microbiological Quality Control of Pharmaceuticals
 - Microbial Biochemistry
 - Elective Topics in Microbiology including:
 - Microbial Resistance
 - Microbial Signal Transduction
- Theoretical Courses Taught for Undergraduate Students {Bachelor of Pharmaceutical Sciences (BPS) Program and Bachelor of Pharmaceutical Sciences & Drug Design (BPSDD) Program} at Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt, including:
 - General Microbiology & Immunology
 - Pharmaceutical Microbiology
 - Parasitology
 - Medical Microbiology
 - Biotechnology

- Public Health
- Supervision of Practical Sessions at Department of Microbiology & Immunology, Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt, including:
 - General Microbiology & Immunology
 - Pharmaceutical Microbiology
 - Parasitology
 - Biotechnology
 - Medical Microbiology

Professional Memberships

- American Society of Microbiology (ASM, USA).
- Infectious Diseases Society of America (IDSA, USA).
- National Foundation for Infectious Diseases (NFID, USA)
- Academic Health Center (AHC) at University of Minnesota
- Egyptian Society for Biotechnology
- Egyptian Pharmacy Syndicate (Cairo, Egypt).
- Ministry of Health, Cairo, Egypt (as Professional Microbiologist).
- Experiments & Advanced Pharmaceutical Research Unit (EAPRU) at Faculty of Pharmacy, Ain-Shams University, Cairo, Egypt (which is one of the authorized organization for Microbiological & Immunological Quality Control of Pharmaceuticals on National level).

Professional Patents

- University of Minnesota's Office for Technology Commercialization (OTC) under Docket No. **Z09183**. Date: March 17, 2009, 9:24 AM. Innovators: El-Khatib WF. and Noreddin AM.

- University of Minnesota's Office for Technology Commercialization (OTC) under Docket No. **Z09151**. Date: February 20, 2009, 4:08 PM. Innovators: El-Khatib WF. and Noreddin AM.
- University of Minnesota's Office for Technology Commercialization (OTC) under Docket No. **Z09150**. Date: February 20, 2009, 3:53 PM. Innovators: El-Khatib WF and Noreddin AM.
- University of Minnesota's Office for Technology Commercialization (OTC) under Docket No. **Z08088**. Date: December 17, 2007, 8:50 AM. Innovators: El-Khatib WF, Noreddin AM and Haynes VL.
- University of Minnesota's Office for Technology Commercialization (OTC) under Docket No. **Z08087**. Date: December 17, 2007, 8:47 AM. Innovators: El-Khatib WF, Noreddin AM and Haynes VL.
- University of Minnesota's Office for Technology Commercialization (OTC) under Docket No. **Z08084**. Date: December 10, 2007, 8:58 AM. Innovators: El-Khatib WF, Noreddin AM and Haynes VL.
- University of Minnesota's Office for Technology Commercialization (OTC) under Docket No. **Z08082**. Date: December 6, 2007, 11:50 AM. Innovators: El-Khatib WF, Noreddin AM and Haynes VL.
- Egyptian Patent Office [Technology Development & Scientific Services Sector, Academy of Scientific Research & Technology (ASRT)], under the title of: A Method for Production of a Novel Aminoglycoside Antibiotic. Patent Pending No. **2007.5.253**. Date: May 20/ 2007, 11:40 AM. Receipt No. 42663. Innovators: El-Khatib WF, Mabrouk M, Yassein MA and Hassouna NA.

Co-Supervision & Mentoring

Supervision of PhD Theses

- Fluoroquinolones Resistance and its Potential Underlying Mechanisms in some Gram Negative Bacterial Isolates Recovered from Infected Cancer Patients (Samira M. Hamed – In progress PhD Thesis).
- Cloning and expression of certain(s) putatively acyl homoserine lactone quorum quenching activities as a new approach for infection control (Massara M. Abo Elsoud – In progress PhD Thesis).
- Antagonistic Activity of Some probiotic candidates against certain human pathogens (Amira A. Ibrahim – In progress PhD Thesis).
- Bioprocess development of calcitriol production from vitamin d3 for industrial application using actinomyces hyovaginalis strain (Ahmed M. Abbas – In progress PhD Thesis).
- Studies on bacterial inhibition of extended spectrum beta –lactamases produced by some gram-negative bacteria (Yomna N. Elkholy - In progress PhD Thesis)
- A study on the bacterial production of phospholipases c with potential industrial application (Nouran M. Ellaboudy – In progress PhD Thesis).

Supervision of MSc Theses

- Inflammatory Cytokines for Early Prediction of Gram Positive Bacterial Infection in Cancer Patients under Radiotherapy Treatment (Riham M. Youssef – Approved MSc Thesis).
- Genotypic and Phenotypic Studies on Bacterial Resistance to 2DOS-containing Aminoglycoside Antibiotics in certain Uropathogenic Gram Negative Bacteria (Samira M. Hamed – Approved MSc Thesis).
- A comparative study for the detection of certain microbial contaminants in pharmaceutical preparations using conventional and molecular methods (Rania M. Elhossiny – Approved MSc Thesis).
- Studies on the Production of Bacterial Cellulases (Mary S. Wahib – In progress MSc Thesis).
- Evaluation of biocidal activity of antimicrobial loaded nanoparticles against staphylococcal biofilms (Menna A. Mohamed – In progress MSc Thesis).

- In vitro appraisal of potential association between some virulence factors and resistance to antifungal agents in *Candida albicans* recovered from clinical specimens (Hodai H. Elhossiny – In progress MSc Thesis).
- Microbial resistance of polymyxin and its potential underlying mechanism(s) among Gram-negative bacteria recovered from nosocomial infections in Egypt (Amany T. Elkorashy – In progress MSc Thesis).
- A study on microbial biotransformation of caffeic acid by some *Candida* species (Raghda A. Singab – In progress MSc Thesis).
- A comparative study between pyrogen and *Limulus* amoebocyte lysate-dependent (LAL) tests for determination of endotoxin level in some biological products (Mohamed A. Ahmed – In progress MSc Thesis).
- Study on the activity of some soil bacterial isolates against certain pathogenic fungi (Shaymaa E. Mohamed – In progress MSc Thesis).
- Isolation and characterization of some potential probiotic candidates for the control of *Clostridium difficile* infection (Mai M. Bahr – In progress MSc Thesis).
- An in vitro study on the antagonistic activities of certain *Lactobacillus* species against some bacterial pathogens (Doaa M. Osama – In progress MSc Thesis).
- Studies on persister cells emerged from some gram negative bacterial cultures (Rana Nasser Mohamed – In progress MSc Thesis).
- Studies on the production of microbial L-asparaginase (Nada A. Abdel Razak – In progress MSc Thesis).

Other Supervision & Mentoring Activities

- Supervision and mentoring of level five Pharmacy students (Drug Design Program) in their graduation projects at Faculty of Pharmacy – Ain Shams University during the academic years 2014-2015 and 2015-2016.
- Supervision and mentoring of fifth year Pharmacy students in the practical and theoretical sections of their graduation projects and theses at Faculty of Pharmacy

– October University for Modern Sciences and Arts (MSA), 6th October, Egypt during the Spring Semester of 2011.

- Supervision, mentoring and training of undergraduate, MSc and PhD students in Duluth Center for Clinical & Translational Research (DCCTR) at the College of Pharmacy, University of Minnesota Duluth (UMD) during my Post Doctoral Fellowship.
- Supervision and Mentoring of Under Graduate Students During Summer Season for Accomplishing Their Mandatory Researches in Microbiology and Immunology.

Peer Reviewed Publications

- Nooran Sherif Elleboudy, **Walid Faisal Elkhatib**, Mohammad Mabrouk Aboulwafa, Nadia Abdel-Haleem Hassouna. 2016. Production and Characterization of Phospholipases C from some *Bacillus thuringiensis* Isolates Recovered from Egyptian Soil. International Journal of Biotechnology for Wellness Industries. 5: 10-24.
- Wasfi R, **Elkhatib WF**, Khairalla AS. 2016. Effects of Selected Egyptian Honeys on the Cellular Ultrastructure and the Gene Expression Profile of *Escherichia coli*. PLoS One. 11(3):e0150984. doi: 10.1371/journal.pone.0150984.
- Hala A. Farrag, Walid F. Elkhatib, Riham M. Youssef, Mohammad M. Aboulwafa. 2015. Early prediction of Gram-positive bacteremia in feverish Egyptian patients using some selected inflammatory mediators. Al-Azhar Journal of Pharmaceutical Sciences. 52: 150-160. [ISSN 1110-1644]
- Abdelrazak M Ali, Walid F Elkhatib. 2015. Potential Complications of *Helicobacter pylori* Infection in Children of a Non-Urban Community. Archives of Pediatric Infectious Diseases. 3(2): e23510 , DOI: 10.5812/pedinfect.23510
- Abdelrazak MA, Walid FE, Abdelrahman M, Mohamed AM. 2015. Interrelation between Helicobacter Pylori Infection, Infantile Colic, and Irritable Bowel

Syndrome in Pediatric Patients. Journal of Medical and Biological Science Research. 1 (7): 85-91.

- Ali AM, Abdelaziz SS, **Elkhatib WF**. 2015. *Helicobacter pylori* infection and its potential association with idiopathic hypercalciuric urolithiasis in pediatric patients. Journal of Immunology & Infectious Diseases. 2(2): 1-6.
- **Walid F. Elkhatib**, Pamela S. Hair; Julius O. Nyalwidhe; Kenji M. Cunnion. 2015. New potential role of serum Apolipoprotein E mediated by its binding to clumping factor A during *Staphylococcus aureus*-invasive infections to humans. Journal of Medical Microbiology. 64: 335-343. EMID:7d32d13fe44c423f.
- Mohamed Elhadidy, **Walid F. Elkhatib**, Denis. Piérar, Koen De Reu, Marc Heyndrickx. 2015. Model-based clustering of *Escherichia coli* O157:H7 genotypes and their potential association with clinical outcome in human infections. Diagnostic Microbiology and Infectious Disease 83:198–202.
- Elhadidy MM, **Elkhatib WF**. 2014. Multilocus genotypic characterization of *Escherichia coli* O157:H7 recovered from food sources. Epidemiology and Infection 27:1-6. [Epub ahead of print].
- Elhadidy M, **Elkhatib W**, Abo Elfadl E, Verstraete K, Denayer S, Barbau-Piednoir E, De Zutter L, Verhaegen B, De Rauw K, Piérard D, De Reu K, Heyndrickx M. 2014. Genetic diversity of shiga toxin-producing *Escherichia coli* O157:H7 recovered from human and food sources. Microbiology. 2014 Nov 19. pii: mic.0.083063-0. doi: 10.1099/mic.0.083063-0. [Epub ahead of print].
- **Elkhatib W**, Noreddin A. 2014. Efficacy of ciprofloxacin-clarithromycin combination against drug-resistant *Pseudomonas aeruginosa* mature biofilm using *in vitro* experimental model. Microbial Drug Resistance. 20(6): 575-582.
- Farooq SM, **Elkhatib WF**, Ashour HM. 2014. The *in vivo* and *in vitro* induction of anterior chamber associated immune deviation to myelin antigens in C57BL/6 mice. Brain Behavior & Immunity. 42: 118-122.

- Ahmed GF, **Elkhatib WF**, Noreddin AM. 2014. Inhibition of *Pseudomonas aeruginosa* PAO1 adhesion to and invasion of A549 lung epithelial cells by natural extracts. *Journal of Infection & Public Health*. 7(5):436-444. doi: 10.1016/j.jiph.2014.01.009. Epub 2014 Jun 2.
- **Elkhatib WF**, Khairalla AS, Ashour HM. 2014. Evaluation of different microtiter plate-based methods for the quantitative assessment of *Staphylococcus aureus* biofilms. *Future Microbiology*. 9(6):725-735. doi: 10.2217/fmb.14.33.
- Ali AM, **Elkhatib WF**, Abdelaziz SS. 2014. Procalcitonin versus C-reactive protein in neonatal sepsis. *Journal of Immunology & Infectious Diseases*. 1(1): 103-107.
- **Walid Elkhatib**, and Ayman Noreddin. 2014. *In vitro* antibiofilm efficacies of different antibiotic combinations with zinc sulfate against *Pseudomonas aeruginosa* recovered from hospitalized patients with urinary tract infection. *Antibiotics*. 3(1): 64-84.
- Rania S. Elhoussieny, Mohammad M. Aboulwafa, **Walid F. Elkhatib**, Nadia A. Hassouna. 2013. Recovery and detection of microbial contaminants in some non-sterile pharmaceutical products. *Archives of Clinical Microbiology*. 4(6): 1-14.
- Samira M. Hamed, Khaled M. Aboshanab, **Walid F. Elkhatib**, and Mohamed S. Ashour. 2013. Aminoglycoside resistance patterns of certain gram negative uropathogens recovered from hospitalized Egyptian patients. *British Microbiology Research Journal*. 3(4): 678-691.
- Amany Elsharif, **Walid F. Elkhatib**, and Hossam M. Ashour. 2012. Nosocomial infections in leukemic and solid-tumor cancer patients: distribution, outcome and microbial spectrum of anaerobes. *Future Microbiology*. 7(12): 1423–1429.
- Noreddin AM, **Elkhatib WF**, Cunnion KM, Zhanel GG. 2011. Cumulative clinical experience from over a decade of use of levofloxacin in community-acquired pneumonia: critical appraisal and role in therapy. *Drug, Healthcare and Patient Safety*. 3: 59–68.

- Salem AH, **Elkhatib WF**, Noreddin AM. 2011. Pharmacodynamic assessment of vancomycin–rifampicin combination against methicillin resistant *Staphylococcus aureus* biofilm: a parametric response surface analysis. *Journal of Pharmacy & Pharmacology*. 63(1): 73-79.
- Salem AH, **Elkhatib WF**, Ahmed GF, Noreddin AM. 2010. Pharmacodynamics of moxifloxacin versus vancomycin against biofilms of Methicillin-resistant *Staphylococcus aureus* and *epidermidis* in an *In vitro* model. *Journal of Chemotherapy*. 22 (4): 238-242.
- Noreddin AM, **Elkhatib WF**. 2010. Levofloxacin in the Treatment of Community Acquired Pneumonia. *Expert Review of Anti-Infective Therapy*. 8 (5): 505 – 514.
- **El-Khatib WF**, Wahab AM and Hafez MM. 2010. Secreted Aspartyl Proteinase Type 2 (*SAP2*) Gene Expression Correlates with Adherence of *Candida albicans* to Human Epithelial Cells. *Egyptian Journal of Biotechnology*. 34: 98-120.
- Hakim KN, Eldahshan OA and **El-Khatib WF**. 2010. Promising antioxidant and cytotoxic activities of the aqueous ethanolic extract of carob leaves. *African Journal of Pharmacy & Pharmacology*. 4(6): 330-334.
- Noreddin AM, **Elkhatib WF**. 2009. Novel *in vitro* pharmacodynamic model simulating ofloxacin pharmacokinetics in the treatment of *Pseudomonas aeruginosa* biofilm-associated infections. *Journal of Infection and Public Health*. 2(3): 120-128.
- **Elkhatib WF**, Haynes VL and Noreddin AM. 2009. Microbiological appraisal of levofloxacin activity against *Pseudomonas aeruginosa* biofilm in combination with different calcium channel blockers *in vitro*. *Journal of Chemotherapy*. 21(2): 135-143.
- **El-Khatib WF** and Noreddin AM. 2009. A new fluorogenic assay for monitoring and determining planktonic and biofilm forms of *Pseudomonas aeruginosa* viable

count *in vitro*. Journal of Rapid Methods and Automation in Microbiology. 17(3): 304-314.

- Noreddin AM, **El-Khatib WF**, Aolie, J, Salem AH and Zhanel GG. 2009. Pharmacodynamic target attainment potential of azithromycin, clarithromycin and telithromycin in serum and epithelial lining fluid (ELF) of community acquired pneumonia (CAP) patients with penicillin-susceptible, intermediate and resistant *Streptococcus pneumoniae*. International Journal of Infectious Diseases (IJID). 13: 483-487.
- **Elkhatib W**, Noreddin A. 2009. Novel approach against central venous catheter associated infection with *Acinetobacter baumannii* biofilm. Journal of Medical Devices. 3 (2): 275-43.
- **ElKhatib WF**, Haynes VL and Noreddin AM. 2008. Unexpected induction of resistant *Pseudomonas aeruginosa* biofilm to fluoroquinolones by diltiazem: A new perspective of microbiological drug-drug interaction. Journal of Infection and Public Health. 1(2): 105-112.
- Noreddin AM, **El-Khatib WF** and Haynes V. 2008. Optimal dosing design for antibiotic therapy in the elderly: A pharmacokinetic and pharmacodynamic perspective. Recent Patents on Anti-Infect Drug Discovery. 3(1): 45-52.
- **El-Khatib WF**, Aboulwafa MM, Yassien MA and Hassouna NA. 2008. A promising 2-deoxystreptamine aminocyclitol aminoglycoside antibiotic from a *Streptomyces globosus* isolate with antibacterial antifungal activities. Egypt. J. Biotechnol. 29: 48-74.
- Hafez MM, **El-Khatib WF** and Wahab AM. 2007. Serotype dependent contribution of M protein in pathogenesis of group A *Streptococcus pyogenes*. New Egyptian Journal of Microbiology. 18: 65-84.
- **El-Khatib WF**, Hassouna NA and Yassien MA. 2000. Effect of nifedipine, verapamil & reserpine on the sensitivity of efflux mediated multidrug resistant

Salmonella paratyphi B mutant selected by ciprofloxacin. Egyptian Journal of Biotechnology. 8: 208-221.

Book Chapters

- Noreddin A., Sawy G., **Elkhatib W.**, Noreddin E., and Shibl A. 2012. Inhibition of Adhesion and Invasion of *Pseudomonas aeruginosa* to Lung Epithelial Cells: A Model of Cystic Fibrosis Infection. Chapter 19: 429-440. Lung Diseases - Selected State of the Art Reviews. *Edited by:* Elvis Malcolm Irusen. InTech Publisher. ISBN 978-953-51-0180-2.
- Noreddin AM, and **El-Khatib WF.** 2010. Antibacterial Therapy in the Elderly. Chapter 13: 70-82. Frontiers in Anti-Infective Drug Discovery. *Edited by:* Choudhary M.I. and Rahman A.U. Bentham Science Publishers. ISSN: 1879-663X.

Scientific Presentations and Abstracts

- M. Elhadidy M, **Elkhatib W**, Piérard D, De Reu K, Heyndrickx M. (2015). Model-based clustering of *Escherichia coli* O157:H7 genotypes and their potential association with clinical outcome in human infections. Poster with abstract in Proceedings of the 20th Conference on Food Microbiology, Part Poster Presentation Abstracts, p 107. Held on 8 & 9 October 2015, in Brussels, Belgium.
- **Elkhatib WF:**
New trend in antimicrobial chemotherapy of biofilm-associated infections. Invited presentation at The 17th Congress of the Association of Pharmacy Colleges in the Arab World “New Trends In Drug Discovery, Development And Pharmacy Practice”. Held on October 14-16th, 2014 in Faculty of Pharmacy, Ain Shams University, Cairo, Egypt.

- M. Elhadidy M, **Elkhatib W**, Elfadl E., Verstraete K, Denayer S, Barbau-Piednoir E, De Zutter L, Verhaegen B, De Rauw K, Piérard D, De Reu K, Heyndrickx M. (2014). Genetic diversity of shiga toxin producing *Escherichia coli* O157:H7 recovered from human and food sources in Belgium. Poster with abstract in Proceedings of the 19th Conference on Food Microbiology, Part Poster Presentation Abstracts, p 119. Held on 18 & 19 September 2014, in Brussels, Belgium.
- **Elkhatib WF**:
New Paradigm in treatment of biofilm-associated infections: Applications to *Pseudomonas aeruginosa* as a biofilm model organism. Invited presentation at the international congress on bacteriology and infectious diseases held on November 20-22, 2013 in Baltimore, MD, USA.
- **Elkhatib WF**, Ahmed GF and Noreddin AM:
In vitro Anti-adhesion Effects of Some Natural Extracts as a Potential Therapeutic Approach against Lung infection with *Pseudomonas aeruginosa*. Abstract presented in Humboldt Kolleg “Pharmaceutical and Biotechnological Therapies” conference under patronage of Alexander von Humboldt Foundation held at German University in Cairo (GUC), Egypt on 28 September – 1 October 2012.
- **El-Khatib WF** and Noreddin AM:
High-Throughput *In vitro* Model for Fluoroquinolone Mutant Prevention Concentrations against *Acinetobacter baumannii* Biofilm. Abstract presented in 50th Interscience Conference on Antimicrobial Agents & Chemotherapy (50th ICAAC), Boston, MA, USA (September 12 – 15, 2010). Poster Control Number 2897 & Presentation No. A1-675. Session day: September 13th, 2010 at 11:15 am.
- Sawi GF, **Elkhatib WF**, and Noreddin AM:

- In vitro* activities of some natural extracts on adhesion and invasion of *Pseudomonas aeruginosa* PAO1 to A549 lung epithelial cells. Abstract presented in Midwest Student Biomedical Research Forum (MSBRF), Omaha, NE, USA (December 19 – 21, 2009). Poster Code Number 1343652.
- **El-Khatib WF** and Noreddin AM:
Novel approach against central venous catheter associated infection with *Acinetobacter baumannii* biofilm. Abstract in 49th Interscience Conference on Antimicrobial Agents & Chemotherapy (49th ICAAC), San Francisco, CA, USA (September 12 – 15, 2009). Poster Control Number 1327. Session day: September 15th, 2009.
 - Salem AH, **El-Khatib WF** and Noreddin AM:
Pharmacodynamic assessment of vancomycin-rifampin combination against Methicillin-Resistant *Staphylococcus aureus* biofilm. Abstract in American Conference on Pharmacometrics (ACoP 2009), Foxwoods Resort outside of Mystic, CT, USA (October 4 – 7, 2009).
 - Noreddin AM and **El-Khatib WF**:
Modeling biofilm infection: Novel tools to combat infection and advance therapy. Invited Presentation for Cystic Fibrosis Foundation at School of Medicine, University of Minnesota, Minneapolis MN, on Thursday June 18th, 2009.
 - Awad MH, **El-Khatib WF**, Zhanel GG & Noreddin AM.
Pharmacodynamic target attainment potential of cethromycin 150 mg and 300 mg in serum and epithelial lining fluid of community-acquired pneumonia patients with *Streptococcus pneumoniae*. Abstract presented in American Society of Health-System Pharmacists (ASHP) Summer Meeting in Chicago, Illinois June 16th 2009. Poster No. 24.

- **El-Khatib WF:**
Assessment of drug-antibiotic interactions on *Pseudomonas aeruginosa* biofilm using high-throughput *in vitro* system. Invited presentation at Infectious Diseases (ID) Fellowship Forum, in Madden Resort, Brainerd, MN, USA (June 4-7, 2009). Session day June 6, 2009.
- **El-Khatib WF** and Noreddin AM:
Targeting biofilm infections: Application for biomaterials surfaces. Invited presentation at Industrial Partnership for Research in Interfacial and Materials Engineering conference (IPRIME), Minneapolis, MN, USA (May 26 - 28, 2009). Session day May 27, 2009.
- **El-Khatib WF** and Noreddin AM:
High-Throughput *in vitro* model for real-time monitoring of mutant selection from *Candida albicans* biofilm. Abstract in 48th Interscience Conference on Antimicrobial Agents & Chemotherapy/Infectious Diseases Society of America 46th Annual Meeting (48th ICAAC/IDSA 46th Annual Meeting), Washington, DC, USA (October 25 – 28, 2008). Poster ID (PSN-ICAAC08PS1-M-1576). Session day: October 26, 2008.
- Noreddin AM, Salem AH, **El-Khatib WF** and Zhanel GG:
Predicting fluoroquinolones ability to kill resistant *Streptococcus pneumoniae* isolates expressing different genetic mutations: Clinical simulation of several treatment and mutation scenarios. Second World Conference on Dosing of Anti-Infectives (WCDA II), Nurenberg, Germany, October 2-5, 2008.
- Noreddin AM, Salem AH, **El-Khatib WF** and Zhanel GG:
Pharmacodynamic profiling of ceftobiprole versus vancomycin simulating different dosage regimens in the treatment of methicillin resistant *Staphylococcus aureus* (MRSA) infections. Poster in Fourth International Symposium on Resistant Gram-Positive Infections (RGP-4), State University of New York at Buffalo, NY, July 9-11, 2008.

- **El-Khatib WF:**
High-throughput *in vitro* model for real-time monitoring of mutant selection from *Pseudomonas aeruginosa* biofilm. Professional presentation in Infectious Diseases (ID) Fellows Forum 2008. Sagamore Resort, Bolton Landing, Albany, NY, May 29 - June 1, 2008.
- **El-Khatib WF, Haynes V and Noreddin AM:**
A high-throughput *in vitro* model illustrating potential microbiological interactions during treatment of *Pseudomonas aeruginosa* biofilm associated infections. Poster in Design of Medical Devices Conference (DMD), Radisson University Hotel, Minneapolis, MN, April 15-17, 2008.
- Muriithi J, Haynes V, **El-Khatib WF** and Noreddin AM:
Fluoroquinolone combination therapy in the treatment of infections caused by *Pseudomonas aeruginosa* biofilms. Poster in 22nd National Conference on Undergraduate Research (NCUR), at Salisbury University, Salisbury, MD, April 10-12, 2008.
- Johnson T, Haynes V, Salem A, **El-Khatib WF** and Noreddin AM:
Streptococcus pneumoniae: Antibiotic resistance in Northeastern Minnesota and Northwestern Wisconsin. Poster in American Pharmaceutical Association (APhA) meeting, San Diego, CA, March 14-17, 2008.