



Curriculum Vitae

- **Name: Ghada Hamed Shaker Saleh**
- **Title: Professor of Microbiology,
Immunology and Microbial Genetics**
- **Department: Microbiology and Immunology**
- **E-mail: ghada.saleh@su.edu.eg**

A) Academic Qualifications:

- **Bachelor's degree in Pharmacy and Pharmaceutical Sciences.**
- **University: Zagazig University -Year: 1983.**
- **Master's Degree regarding a Study on the production of mycotoxin (s) in the presence of certain preservatives.**
University: Zagazig University - Year: 1988
- **Ph. D. in Analytical applications of IgA- binding B antigen of C protein complex of group B Streptococci**
University: Egyptian Mission as a Ph. D. Student in Germany -Year: 1993

B) Academic promotions:

Hyperlink for Total C.V: [https://docs.google.com/document/d/15M-14DayHOQHJA2KUvzJbs81sME-K0WF/edit?usp=drive link&oid=103380064842373701035&rtpof=true&sd=true](https://docs.google.com/document/d/15M-14DayHOQHJA2KUvzJbs81sME-K0WF/edit?usp=drive_link&oid=103380064842373701035&rtpof=true&sd=true)

- **Demonstrator:** -Date: 1983-1989 in the Faculty of Pharmacy, Zagazig University
- **Assistant Lecturer:** -Date: 1989-1994 in the Faculty of Pharmacy, Zagazig University
- **Lecturer:** -Date: 1994-2002 in the Faculty of Pharmacy, Zagazig University
- **Assistant Professor:** -Date: 2002 in the Faculty of Pharmacy, Zagazig University
- **Professor:** -Date: 2009 in the Faculty of Pharmacy, Zagazig University

C) Scientific Merit:

- **Google Scholar:** ghada H shake
- **Scopus ID:** Ghada Shaker
- **Citations:** 345 - **h-index:** 13 - **i10-index:** 14
- **ORCID-N:** <https://orcid.org/0009-0006-5383-5732>

D) Academic Administrative Experiences:

- Dean of Faculty of Pharmacy, Sinai University-Kantara

from 10/2023 till Present

- Vice President for Community Service and Environmental Development, Zagazig University, Egypt

from 9/2020 till 7/2021

- Dean of Faculty of Pharmacy, Zagazig University, Zagazig, Egypt

from 8/2019 till 9/2020.

- Vice Dean for Education and Student Affairs, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt

from 7/2015 till 8/2019

- Head of Department of Microbiology, Faculty of Pharmacy, Zagazig University, Zagazig, Egypt

from 8/2014 till 7/2015

E) Scientific Activities

1: Membership of Professional Organizations and Scientific Societies

- Membership of the Supreme Committee formed to follow up the implementation of the National Literacy Project of the Supreme Council of Universities for the year 2020/2021.
- Chairman of Annual Report Committee Pharmaceutics-microbiology Dept., Pharmacy College, King Saudi University.
- Member of Scientific Instruments Committee, Pharmacy College, King Saudi University.
- Member of American Nano Society.
- Member of Continuous Education of Drugs Committee, Pharmacy College, King Saudi University 2008.
- Reviewer in BioMed Research International Journal.

Membership of Scientific Societies:

- Member of Alexandria Medical Society.
- Member of the Egyptian Syndicate.
- Member of the Al Sharkia Pharmacy Syndicate.
- Member of Egyptian Society for Biotechnology (E.S.B). Egypt.
- Member of Egyptian Society for Medical Microbiology. Egypt
- Member of Saudi Pharmaceutical Society. Riyadh- Saudi Arabia.
- Supervision of many Master theses and PhD theses.

2: Training Courses/workshops:

- **April 7/ 2021:** Organizing the cultural forum for the sector by holding its first seminars under the title (Violence in Egyptian Society: Challenges and Confrontation) hosted by Dr. Al-Mu'tazaballah Abdel-Fattah, the Media, Professor of Political Science, Cairo University, and Dr. Rania Yahya, member of the National Council for Women, in the presence of Zagazig University leaders and a group of faculty and students.
- Preparing and distributing the 10th guide for the community service and environmental development sector under the title “Manual of Applied Environmental Studies and Research” for the year 2020/2021.
- **2017-2018:** Participate in Egyptian Youth Initiative
- **April 2013:** SPSS training in Zagazig University.
- **September 2010:** `Assessing Student Learning`. King Saud University.
- **February 2009:** The First International Conference in Biotechnology Towards Knowledge- Based Economy, Riyadh, Saudi Arabia. Organized by Center of Excellence in Biotechnology Research King Saud University.
- **May 2009:** DNA Research: a Gateway to Knowledge Economy. Science College, King Saudi University.
- **March 2009:** The National Pharmacovigilance Center launching symposium: drug Safety a global Concern. Organized by SFDA Riyadh, Kingdom of Saudi Arabia.
- **March 2009:** Workshop about Rapitivity in the Center for Electronic Education. Riyadh, Kingdom of Saudi Arabia.
- **March 2009:** Saudi Food and Drug Authority. Riyadh, Kingdom of Saudi Arabia
- **June 2008:** Workshop for Study and Characterization of Nanoparticles. Riyadh, Kingdom of Saudi Arabia.
- **May 2008:** Planning for Effective teaching. Deanship of skills development. Riyadh, Kingdom of Saudi Arabia.
- **November 2007:** qPCR/Gene Transfer Seminar arranged by AlJeel Medical Company. King Faisal Specialist Hospital & Research Centre, Riyadh.
- **October 2007:** The first Workshop, Nano Research at Universities: The road Toward Fulfilling the Vision of Custodian of the Two Holy Mosques. Riyadh, Kingdom of Saudi Arabia.
- **November 2007:** “How to update your webpage” in Pharmacy College, King Saud University within the activities of the Pharmacy College Female Internet Website Preparation Committee.

- **August 2006:** -Workshop on "Teaching with Technology". Zagazig University, Alexandria, Egypt.
- **July 2006:** -Workshop on "Teaching Evaluation". Zagazig University, Egypt.
 - -Workshop on "Curriculum Design". Zagazig University, Egypt.
 - -Workshop on "Research Management". Zagazig University, Egypt.
 - -Workshop on "Effective Communication Skills". Zagazig University, Egypt.
 - -Workshop on "Code of Ethics". Zagazig University, Egypt.
- **July 2005:** Workshop on "Decision Making and Problem Solving". Zagazig University, Egypt.
- **December 2006:** Symposium on "Bacterial Resistance to Antibiotics", BioMerieux in touch conferences. Marriott Hotel, Riyadh, Saudi Arabia.
- **February 2006:** Mini Symposium on "Antimicrobial Resistance and Related Technologies, International Health Regulation, Technology 4Transfer". King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia.
- **October 2004:** Steps towards a pharmaceutical future. Saudi Pharmaceutical Society. Riyadh Intercontinental Hotel, Riyadh, Saudi Arabia.

- **April 2004:** Electronic Pharmacy, Pharmaceutical information systems. Saudi Pharmaceutical Society, Intercontinental Hotel, Riyadh, Saudi Arabia.
 - Research Centre workshop on scientific research and lab equipment. King Saudi University, Riyadh, Saudi Arabia
- **May 2003:** Environmental Protection Week. Pharmacy College, King Saudi University.
- **October 2003:** 6th Saudi Pharmaceutical International Conference, Al-Faisaliah Hotel, Riyadh, Saudi Arabia
- **December 2003:** Sharing in organization of Information Highway. King Saudi University, Riyadh, Saudi Arabia.

3: Conferences, Seminars and Workshops:

- ❖ **April 4-8/2021:** President of the works of the 6th International Conference under the title "recent Trends in Innovation, Creativity and Technology", which was organized by the Future Egypt Association in cooperation with the Federation of Arab Universities and a number of scientific bodies and institutions, which brings together a group of scientists, experts and interested in various fields and sciences.
- ❖ **April 3/2021:** Participating and opening the first medical conference at the Faculty of Human Medicine - Zagazig University, Faqous Branch, April 3, 2021, on treatment methods for diabetics during the holy month of Ramadan.
- ❖ **March 2/2021:** Participation in organizing a training day for the girls of the Association of Deaf, Mute and Hard of Hearing under the title Speaking Felines with the participation of the girls of the Association of Deaf and Mute and organizing several workshops and training courses on establishing small projects and providing a decent for girls.
- ❖ **March 9 /2021:** Attending the opening of the 8th International Exhibition and Conference on Universities, Training and Grants (EduGate Fair& Forum). Kempinski, Cairo, Egypt
- ❖ **December 10-12/ 2020:** Participation in the annual meeting of the Egyptian university leaderships organized by the American Fulbright Authority in Hurghada (Sahl Hasheesh). Health and Administration, Egypt.
- ❖ **December 1/12/2020:** Participating in the opening activities of the celebration of the World AIDS Day, organized by the Infectious Diseases Unit, Department of Endemic Diseases, Faculty of Human Medicine, Zagazig University.
- ❖ **November 8-10/ 2020:** Participation in the activities of the opening session of the 10th International Conference on Development and Environment in the Arab World, held at Assiut University.
- ❖ **November 25/2020:** Participating in the opening of the activities of the fifteenth international conference of the Faculty of Science, Zagazig University, under the title "Basic Sciences and their Applications for Environmental Protection", in the presence of a group of researchers and specialists in environmental affairs and research projects.

- ❖ **October 11/ 2020:** Sponsorship and participation for the activities of the Fifth International Conference entitled "Human and Animal Health and Safety: Reality and Aspiration, which was organized by the Faculty of Veterinary Medicine, Zagazig University in Sharm El Sheikh.
- ❖ **March 2020:** 4th Annual Arab International Pharmacy Conference (Pharmacy Vision 2030) 8th- 9th march AIPC 2020, Grand Nile Tower Cairo, Egypt.
- ❖ **January 21-22/ 2020:** First National Conference Harnessing Biotechnology To improve Healthcare in Egypt: Strategic and Regulatory insights. Cairo Marriott Hotel.
- ❖ **January 2020:** 12th breast- Gynecological & Immuno-oncology International Cancer Conference Cairo, Egypt.
- ❖ **January 2019:** The first African Health Summit 29-Feb 1st, 2019, Cairo, Egypt.
- ❖ **January 2019:** 5th FUE International Conference Of Pharmaceutical Science 28-30,2019 In Royal Maxim Palace Kempinski , Cairo, Egypt.
- ❖ **November 2018:** 2nd ICPASU International Conference of the faculty of Pharmacy, Ain Shams University 13-15 Nov. Novotel Cairo Airport hotel.
- ❖ **September 2018:** 2nd International Pharma Conference (2nd IPC) Pharmaceutical Research: Challenges and Opportunities.
- ❖ **April 2018:** National Authority for Quality Assurance and accreditation for Education 22- 23 April Cairo, Egypt.
- ❖ **March 2018:** 2nd annual Arab International Pharmacy Conference 17march- 18 march at Hilton Heliopolis in Cairo, Egypt.
- ❖ **March 2018:** Pharmacy Expo- Egypt 3march-5 march at Fairmont Hotel in Cairo, Egypt.
- ❖ **October 2017:** 1st International Conference of Helwan Pharmacy. Tolip Hotel, Cairo
- ❖ **April 2017:** Pharmaceutical Science of Arab Pharmacists Union, Cairo- Egypt.
- ❖ **February 2012:** Second International Conference on Pharmaceutics& Novel Drug Delivery systems. San Fransico Airport Marriott, USA.
- ❖ **November 2010:** First AMDI -International Biohealth Science Conference (IBSC)- Infectious Diseases- Current Challenges - Penang- Malaysia.
- ❖ **April 2010:** The 8th Saudi International Pharmaceutical Conference and Exhibition. Riyadh, Saudi Arabia
- ❖ **The Marquis Who`s Who** Publications Board certifies my name in Who`s Who in the World 2014.

- ❖ **February 2009:** International Workshop on Advanced materials 2009, and participated by poster: Nanoparticles and Biodetection of microorganisms. Ras Al Khaimah- UAE.
- ❖ **February 2009:** 1st International Conference in Biotechnology at the king Fahad Cultural Center, Riyadh, Saudi Arabia.
- ❖ **April 2009:** The International Conference for Nanotechnology industries organized by King Abdullah Institute for nanotechnology, King Saud University. Riyadh, Saudi Arabia.
- ❖ **April 2005:** 13th Annual Conference of Egyptian Society for Medical Microbiology, in Collaboration with Microbiology, Immunology Department, Ain Shams University.
- ❖ **December 2005:** The 9th International Pharmaceutical Sciences Conference and Exhibition Future of Medications in the 21st Century. King Saud University. Riyadh, Saudi Arabia.
- ❖ **May 2005:** 1st Middle East Conference on the Prevention and Management of Healthcare Related Infections. Educational and Health Affairs, King Abdul Aziz Medical City. Riyadh, Saudi Arabia.
- ❖ **May 2005:** Drug Interactions In the 21st century From Herbals to Pharmaceuticals. Intercontinental Hotel. Riyadh, Saudi Arabia.
- ❖ **October 2003:** 6th Saudi Pharmaceutical International Conference, Pharmacy Profession Towards patient care, Riyadh, Saudi Arabia.

4: Teaching Scopes: Microbiology, Immunology and Microbial Genetics.

5: Scientific supervision number: Several Master's and Ph.D Thesis.

6: Awards and Certificates of Appreciation: The Marquis Who's Who Publications Board certifies my name in Who's Who in the World 2014.

7: Peer reviewing of scientific research/ Projects:

- Many local and International Journals and many projects.
- Co- Investigator of NPSTI research Project No: ASTP-10. entitled: Humoral immune responses of the native honeybee, *Apis mellifera jementica*: towards developing natural antibiotics against infectious food-borne diseases (1434H) with budged of 1.641.000 Saudi Riyals.

8: Scientific Mission:

- Egyptian Mission, 06/1990- 06/1993, as a Ph. D. Student in the National Research Center for Biotechnology (GBF), Braunschweig, Germany.
- King Saudi University 2003 till 1-1- 2013 as Professor of microbiology in faculty of pharmacy – Riyadh, Saudi Arabia.

9: Other Activities: Experience from administrative positions such as:

- Vice Dean for Education and Student Affairs, Zagazig University.
- Dean of the College of Pharmacy, Zagazig University.
- Vice President of a University, Zagazig University.
- Dean of the College of Pharmacy, Sinai University- Kantara branch.

F) Scientific Publications:

-International journals

- ❖ Aliaa Abdelghafar, Amira El-Ganiny, Ghada Shaker and Momen Askoura (2023) : Isolation of a bacteriophage targeting *Pseudomonas aeruginosa* and exhibits a promising *in vivo* efficacy. *AMB Express*, 13-79
- ❖ Aliaa Abdelghafar, Amira El-Ganiny, Ghada Shaker and Momen Askoura (2023): A novel lytic phage exhibiting a remarkable *in vivo* therapeutic potential and higher antibiofilm activity against *Pseudomonas aeruginosa*. *European Journal of Clinical Microbiology & Infectious Diseases*.
- ❖ Hisham A. Abbas , Ghada H. Shaker , Farag M. Mosallam and Salwa E. Gomaa (2022): Novel silver metformin nano-structure to impede virulence of *Staphylococcus aureus*. *AMB Express*, 12-84
- ❖ Salwa E. Gomaa· Ghada H. Shaker· Farag M. Mosallam· Hisham A. Abbas (2022): Knocking down *Pseudomonas aeruginosa* virulence by oral hypoglycemic metformin nano emulsion. *World Journal of Microbiology and Biotechnology* 38:119
- ❖ Christiana R. Youssef · Ashraf A. Kadry· Ghada H. Shaker, Amira M. El-Ganiny (2021): The alarming association between antibiotic resistance and reduced susceptibility to biocides in nosocomial MRSA isolates from two regional hospitals in Egypt. *Archives of Microbiology* <https://doi.org/10.1007/s00203-021-02314-6>
- ❖ Ahmad A. Al-Ghamdi , Mariam S. Al-Ghamdi , Ashraf M. Ahmed , Abdel Salam A. Mohamed , Ghada H. Shaker , Mohammad Javed Ansari , Moataza A. Dorrah , Khalid Ali Khan , Tahany H. Ayaad (2021): Immune investigation of the honeybee *Apis mellifera jemenitica* broods: A step toward production of a bee-derived antibiotic against the American foulbrood. *Saudi Journal of Biological Sciences* 28 :1528–1538
- ❖ Hisham Abbas, Ghada Shaker, Randa Khattab, Momen Askoura (2021): A new Role of Metformin as an efflux Pump Inhibitor in *Klebsiella pneumoniae*. *J Microbiol Biotech Food Sci* .
- ❖ Amr A. Baiomy , Ghada H. Shaker, Hisham A. Abbas (2020): Sensitizing multi drug resistant *Staphylococcus aureus* isolated from surgical site infections to antimicrobials by efflux pump inhibitors. *Afr. Health Sci.*20(4): 1632-1645.
- ❖ Fatma A. Mohamed · Ghada H. Shaker · Momen M. Askoura (2020): Oxidative Stress Influences *Pseudomonas aeruginosa* Susceptibility to Antibiotics and Reduces Its Pathogenesis in Host. *Current Microbiology*, © Springer Science+Business Media, LLC, part of Springer Nature
- ❖ Randa Khattab, Ghada Shaker, M'Omen Askoura, Hisham Abbas (2020): Multidrug resistant *Klebsiella pneumoniae* isolated from respiratory tract infection *Rec. Pharm. Biomed. Sci.* 4 (1), 1- 5.

- ❖ Fatma Mohamed, Momen Askoura, Ghada Shaker (2019): Antibiotic susceptibility of *Pseudomonas aeruginosa* isolated from different clinical sources. *Zagazig J. Pharm. Sci.* (28)10 – 17.
- ❖ Hisham A. Abbas, Ghada H. Shaker, Ashraf A. Kadry, Reham M. Goda (2019): Impact of specific inhibitors on metallo- β -carbapenemases detected in *Escherichia coli* and *Klebsiella pneumoniae* isolates. *Microbial Pathogenesis* (132) 266–274
- ❖ Ghada H. Shaker, Tahany Ayaad , Ahmad Al-Ghamdi, Ashraf M. Ahmed , Abdelsalam Mohamed, and Mariam Al-Ghamdi(2019) : *In vitro* effects of natural purified peptides from the native *Apis mellifera jemenitica* larvae on *Salmonella* adherence to epithelial cells. https://faculty.ksu.edu.sa/sites/default/files/shaker_et_al.
- ❖ Hisham A. Abbas, Ghada H. Shaker, Wael A.H. Hegazy, Amr A. Baiomy (2018): Prevalence of multidrug resistant *Staphylococci* isolated from surgical site infections. . *Zagazig J. Pharm. Sci.* (17): 31-38.
- ❖ Hisham A. Abbas, Ashraf A. Kadry, Ghada H. Shaker, Reham M. Goda (2017): Resistance of *Escherichia coli* and *Klebsiella pneumoniae* isolated from different Sources to β -lactam Antibiotics. *Research J. Pharm. and Tech.* 10(2): 589-591
- ❖ Amira M. El-Ganiny, Ghada H. Shaker, Abeer Aboelazm and Heba A. El-Dash (2017): Prevention of Bacterial Biofilm Formation on Soft Contact Lenses Using Natural compounds. *Journal of Ophthalmic Inflammation and Infection* (7):11
- ❖ Ashraf Kadry, Ghada Shaker, Amira El- Ganiny and Christiana Youssef (2016): Phenotypic and genotypic detection of local MRSA isolates. *Zagazig J. Pharm. Sci.* (6): 39-46.
- ❖ Ghada Shaker, Hisham Abbas, Eman El-Masry, and Islam Mohsen (2013): Bacterial Etiology and Antimicrobial Resistance of Burn Wound Infections in A burn Unit in Hehia General Hospital in Egypt. *International Journal of Biological & Pharmaceutical Research.* (12): 1251-1255.
- ❖ Afaf El-Ansary, Ghada Shaker, Nikhat J Siddiqi and Laila Y. Al-Ayadhi (2013): Possible ameliorative effects of antioxidants on propionic acid / clindamycin - induced neurotoxicity in Syrian hamsters. *Gut Pathogens*, 5:(32) 1-6.
- ❖ Afaf El-Ansary, Ghada H. Shaker, Amina Elgezeery and Laila Al-Ayadhi (2013): The neurotoxic effect of clindamycin – induced gut bacterial imbalance and orally administered propionic acid on DNA damage assessed by the comet assay: protective potency of carnosine and carnitine. *Gut Pathogens*, 5:1-10.
- ❖ Afaf El-Ansary, Ghada H. Shaker and Maha Zaki Rizk (2013): Role of Gut-brain axis in the aetiology of neurodevelopmental disorders with reference to autism. Review article. *J.Clinic toxicol. Neuropharmacology & Neurotoxicology*, 1-8.
- ❖ Afaf El-Ansary, Sooad Al-Daihan, Abeer Al-Ghanoushy, Ghada H. Shaker and Laila Y. Al-Ayahdi. (2013): A comparative study on the neurotoxic effect of propionic acid, a metabolite of enteric bacteria, and direct induction of pathogenic bacteria overgrowth. *African Journal of Microbiology Research.* 7(2): 103-14.

G) Quality Assurance in Higher Education:

- Reviewer/Auditor
- QA Trainer
- QA Managing Positions
- Training Attended

H) Skills

- **Language Skills:** English Language, Full Professional Proficiency.

- **Computer Skills:** Advanced.

- **Presentation Skills:** Advanced.

- **Other skills:**

- ❖ Administrative Skills / Analytical Thinking / People Management
- ❖ Leadership Skills / Communication Skills / Collaboration & Teamwork
- ❖ Conceptual Thinking / Time Management / Conflict Resolution
- ❖ Collaboration skills / Problem Solving / Critical Thinking
- ❖ Negotiating Skills / Organization Skills / Project Management