

# CURRICULUM VITAE

## Personal Information

- **Name:** *Heba Hamed Salem*
- **Date of birth:** *September 21<sup>st</sup>, 1979*
- **Place of birth:** *Cairo – Egypt*
- **Work address** *College of Pharmacy, King Khalid University, Abha, Saudi Arabia*
- **E-mail:** *haminsalem@kku.edu.sa*
- **Mobile telephone:** *+966554426779*

## Degrees

- **Doctor of Natural Sciences (Doctor of Philosophy in Pharmaceutical Sciences (Biochemistry and Molecular Biology, Ph.D.))** *November 2013*  
*Ulm University, Ulm, Germany*  
*With Highest Honors grade*
- **Masters of Science Degree in Biochemistry (M.Sc.)** *June 2009*  
*Faculty of Pharmacy - Cairo University, Cairo, Egypt*
- **Bachelor of Pharmaceutical Sciences (B.Pharm).** *May 2000*  
*Faculty of Pharmacy - Cairo University, Cairo, Egypt*  
*Excellent grade with Honors (ranked the 2<sup>nd</sup> out of 1000 graduates)*

## Work Experience

- **Associate Professor** *Since Oct 2022*  
*Biochemistry Department, Faculty of Pharmacy - Cairo University, Egypt*
- **Assistant Professor** *Since Nov 2016*  
*College of Pharmacy, King Khalid University, Saudi Arabia*
- **Lecturer** *Since March 2014*  
*Biochemistry Department, Faculty of Pharmacy - Cairo University, Egypt*
- **Candidate for PhD degree in Biological Sciences** *Dec 2009-Nov 2013*  
*Institute of Physiological Chemistry, Ulm University, Germany*  
*(Prof. Dr. Thomas Wirth, group of Dr. Bernd Baumann)*

- **Assistant Lecturer** June 2009- March 2014  
*Biochemistry Department, Faculty of Pharmacy - Cairo University, Egypt*
- **Teaching Assistant** Oct 2000 –June 2009  
*Biochemistry Department, Faculty of Pharmacy - Cairo University, Egypt*
- **Community Pharmacist (Part Time)** 2000-2006  
*Aya Pharmacy, Cairo, Egypt*

### ***Teaching Experience***

- Teaching an overview of Biochemistry course to Pharmacists in preparation for the SPLE exam
- Teaching undergraduate students in College of Pharmacy, King Khalid University utilizing active learning techniques.
- Supervising and teaching some Molecular Biology techniques to a Master student in the Institute of Physiological Chemistry, Ulm University, Germany.
- Teaching practical courses of Basic and Clinical Biochemistry to undergraduate students of Faculty of Pharmacy, Cairo University.
- Teaching practical courses of Clinical Biochemistry to students of Biochemistry Diploma Faculty of Pharmacy, Cairo University.

### ***Awards***

- **Best Student Research Project Award** **April 2021**  
*Faculty of Pharmacy, King Khalid University, Saudi Arabia*
- **Best Faculty Award** **2019**  
*Faculty of Pharmacy, King Khalid University, Saudi Arabia*

### ***Special Experiences***

#### **Animal experiments:**

Mice breedings, preparation of different mouse organs, IVIS *in vivo* bioluminescence imaging, Induction of brain ischemia insult.

#### **Microscopy and histology:**

Tissue preparation for histology and immunofluorescence (paraffin embedded tissue, native kryosections), immunofluorescence microscopy of primary cells and histological tissue sections, transmission electron microscopy

#### **Molecular biology:**

DNA extraction, PCR, RNA extraction and cDNA synthesis, quantitative Realtime-PCR, microarray analysis (Genesifter software), cloning, transformation of bacteria

### **Protein biochemistry:**

Protein extraction, protein lysate luciferase assays, SDS-PAGE, immunoblotting, electrophoretic mobility shift assay.

### **Cell biology:**

Isolation of pancreatic islets, apoptosis, FACS (TUNEL-assay, cleaved caspase 3 staining), various cell culture handling and transfection methodology.

**Extemporaneous compounding of different dosage forms.**

## ***Conferences and Meetings***

- ***The Third International Conference of The Faculty of Pharmacy, Ain Shams University***  
*Cairo, Egypt* *Nov 2023*
- ***R/Pharma Virtual Conference*** *Oct 2023*
- ***Research and Development Day*** *May 2023*  
*College of Pharmacy, KKU, Abha, Saudi Arabia*
- ***Friends of Cancer Research Annual Meeting*** *Nov 2022*
- ***Research Day of the College of Pharmacy, KKU Poster presented*** *Apr 2022*  
*Abha, Saudi Arabia*
- ***Badr University in Cairo 1st Conference of Pharmaceutical Sciences (Online)*** *Nov 2021*
- ***Research Day of the College of Pharmacy, KKU*** *Nov 2021*  
*Abha, Saudi Arabia*
- ***The 2nd International Pharmaceutical and Medical Sciences Conference: “To Ensure Healthy Lives and Promote well-Being”, Al-Azhar University in Cairo*** *Nov 2021*
- ***American Association of Cancer Research (AACR) Virtual Annual Conference*** *May 2021*
- ***Research Day of the College of Pharmacy, KKU, Poster presented*** *Apr 2021*  
*Abha, Saudi Arabia*
- ***Beyond Sciences Initiative 6th International Remote Conference: Science & Society, Canada***  
*February 2021*
- ***The Genetic Revolution of Medical Applications (virtual meeting), KSA*** *January 2021*
- ***The virtual congress on Lymphoma, Myeloma and Leukemia, USA*** *January 2021*
- ***Research Day of the College of Pharmacy, KKU*** *Nov 2020*  
*Abha, Saudi Arabia*
- ***Virtual Conference - Human Immunity for COVID-19: What does it take to develop an effective vaccine to COVID-19, UAE*** *Oct 2020*

- ***Molecular Targets and Cancer Therapeutics” The 32nd EORTC-NCI-AACR Virtual Conference, ENA, Brussel*** *October 2020*
- ***“New Avenues of Pharmacy and Health Care” Virtual Conference by Tanta University, Egypt,*** *October 2020*
- ***Friends of Cancer Research's Virtual Meeting: An International Framework for Real-World Evidence, USA (online)*** *Sep 2020*
- ***The 1st International Online Conference Pharmaceutical and Medical Sciences (PMS Azhar): A Response to COVID-19 Theme, Al-Azhar University in Cairo*** *Sept 2020*
- ***Friends of Cancer Research's Virtual Symposium, “The Future Use of Complex Biomarkers”*** *July 2020*
- ***American Association of Cancer Research Virtual Annual Conference (AACR) II*** *June 2020*
- ***“ Steps of publishing scientific researches in indexed journal”, International online conference, University of Central Florida*** *June 2020*
- ***Faculty Development Day, Faculty of Pharmacy, KKU*** *March 2020*
  
- ***Research Day of the College of Pharmacy, KKU*** *Dec 2019*  
*Abha, Saudi Arabia*
- ***14th King Khaled University Annual Health Colleges Research Day*** *Apr 2019*  
*Abha, Saudi Arabia*
- ***Research and development Conference*** *March 2019*  
*Abha, Saudi Arabia*
- ***Research Day of the College of Pharmacy, KKU*** *Nov 2018*  
*Abha, Saudi Arabia*
- ***Research Day of the College of Pharmacy, KKU, Poster Presented*** *Apr 2018*  
*Abha, Saudi Arabia*
- ***Research Day of the College of Pharmacy, KKU*** *Nov 2017*  
*Abha, Saudi Arabia*
- ***The 12<sup>th</sup> King Khaled University Annual Research Day, Oral presentation*** *Apr 2017*  
*Abha, Saudi Arabia*
- ***Research Day of the College of Pharmacy, KKU*** *Dec 2016*  
*Abha, Saudi Arabia*
- ***The 2<sup>nd</sup> Saudi International Biotechnology Conference. “Stem Cell Technology”*** *Feb 2016*  
*Riyadh, Saudi Arabia*
- ***The Annual Scientific conference of Egyptian Society of Biochemistry & Molecular Biology*** *May 2014*  
*Cairo, Egypt*
- ***5<sup>th</sup> International Scientific Conference of Faculty of Pharmacy Cairo University*** *April 2014*  
*Cairo, Egypt*
- ***11<sup>th</sup> National Conference of Biochemistry and Molecular Biology*** *March 2014*  
*Cairo, Egypt*
- ***Final Symposium of GRK1041, Ulm, Germany*** *April 2013*

- **Symposium of GRK1041, Ulm, Germany** March 2012
- **Bregenz Summer School on Endocrinology** July 2011  
Bregenz, Austria
- **Meeting GRK 1041 Ulm & internal retreat GRK 1208 Berlin** April 2010  
Gunzburg, Germany
- **The 4<sup>th</sup> International Conference of Scientific Research and its Applications** Dec 2008  
Cairo, Egypt
- **The Annual Scientific Congress of Egyptian Society of Biochemistry & Molecular Biology** April 2007  
Cairo, Egypt
- **The Annual Scientific Congress of Egyptian Society of Pharmacy** June 2004  
Cairo, Egypt
- **The Annual Scientific Congress of Egyptian Society of Biochemistry & Molecular Biology** 2003  
Cairo, Egypt
- **The Annual Scientific Congress of Egyptian Society of Biochemistry & Molecular Biology** 2002  
Cairo, Egypt

### Workshops, Seminars and Training Courses

- **“Together let’s do research: Tips for Publishing your research” Webinar** Nov 2023
- **“ Cardiovascular Diseases: Pharmacists Role Beyond Counters” Webinar** Nov 2023
- **“Application of Modern Teaching and learning strategies” Webinar** Oct 2023
- **“Common mistakes in preparing the course file” Webinar** Oct 2023
- **iThenticate use Workshop** March 2023  
King Khalid University, Abha, Saudi Arabia
- **The annual PharmD Program Periodic Review Workshop** Jan 2023  
Deanship of Academic Affairs and development King Khalid University, Abha, Saudi Arabia
- **Mobile Applications** May 2022  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **“دوره متخصصه في أعمال الجوده”** April 2022  
Faculty of Pharmacy, Cairo University, Cairo, Egypt
- **“Critical Thinking”** Feb 2022  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **“Principles of Blended Learning”** Feb 2022  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **“Academic Advising workshop”, Faculty of Pharmacy** Jan 2022  
King Khalid University, Abha, Saudi Arabia
- **Online quality workshop “DMA, PLOs/CLOs mapping and assessment”** Nov 2021

- King Khalid University, Abha, Saudi Arabia*
- **Quality workshops, Faculty of Pharmacy, KKU** *March 2021*  
*King Khalid University, Abha, Saudi Arabia*
  - **Coronavirus COVID-19 Vaccines online webinar** *Feb 2021*  
*King Khalid University, Abha, Saudi Arabia*
  - **“Academic writing and publishing” Online training course** *June 2020*  
*King Khalid University, Abha, Saudi Arabia*
  - **“University Management” Online Training Course** *June 2020*  
*Faculty and Leadership Development Centre, Cairo University, Cairo, Egypt*
  - **Online Assessment Methods and Additional resources** *March 2020*  
*King Khalid University, Abha, Saudi Arabia*
  - **Quality Development in students’ assessment workshop** *Dec 2019*  
*King Khalid University, Abha, Saudi Arabia*
  - **The 1<sup>st</sup> Bioinformatics workshop** *July 2019*  
*EG-compbio, German-Egyptian University Progress Partnership, Cairo, Egypt*
  - **Statistical analysis in biological experiments** *July 2019*  
*Faculty and Leadership Development Centre, Cairo University, Cairo, Egypt*
  - **Management of time and meetings** *July 2019*  
*Faculty and Leadership Development Centre, Cairo University, Cairo, Egypt*
  - **How to write a successful animal care protocol** *June 2019*  
*Cairo University, Cairo, Egypt*
  - **How to Use SPSS Workshop** *June 2018*  
*King Khalid University, Abha, Saudi Arabia*
  - **How to Design MCQs Webinar** *March 2018*  
*King Khalid University, Abha, Saudi Arabia*
  - **Active Learning Methods Webinar** *March 2018*  
*King Khalid University, Abha, Saudi Arabia*
  - **Different Methods of Assessment Workshop** *Feb 2018*  
*King Khalid University, Abha, Saudi Arabia*
  - **Active Learning Methods Workshop** *Jan 2018*  
*King Khalid University, Abha, Saudi Arabia*
  - **Active learning methods Workshop** *April 2017*  
*King Khalid University, Abha, Saudi Arabia*
  - **E-learning Practitioner Online Course** *Feb 2017*  
*King Khalid University, Abha, Saudi Arabia*
  - **Creative Thinking Workshop** *July 2015*  
*Faculty and Leadership Development Centre, Cairo University, Egypt*
  - **Interactive Lectures Workshop** *March 2014*

DAAD Kairo Akademie, Cairo, Egypt

- **“Systems biology: the way Pharmacogenomics” Workshop** Feb 2014  
Biotechnology Centre, Faculty of Pharmacy, Cairo University, Egypt
- **“International Publishing of Scientific Researches” Workshop** Jan 2014  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **“Managing Research Teams” Workshop** Dec 2013  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **“Ethics of Scientific Research” Workshop** Dec 2013  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **“Students’ Evaluation” Workshop** Dec 2013  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **“University’s Code of Ethics” Workshop** Dec 2013  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **“Advanced Communication Skills” Workshop** Dec 2013  
Faculty and Leadership Development Centre, Cairo University, Egypt
- **Western Blotting, RT-qPCR and RNAi Workshop (ThermoFisher Scientific)** March 2013  
Ulm, Germany
- **Real time PCR Workshop (Roche)** Sep 2012  
Ulm, Germany
- **Droplet Digital PCR Technology Seminar (BIO-RAD)** July 2012  
Ulm, Germany
- **Toefl English language course** June-July 2009  
Cairo-Egypt
- **Quality Measures in Teaching Workshop** April 2008  
Faculty and Leadership Development Centre, Cairo University, Egypt.
- **Organization of Conferences Workshop** April 2008  
Faculty and Leadership Development Centre, Cairo University, Egypt.
- **E-learning Workshop** May 2008  
Faculty and Leadership Development Centre, Cairo University, Egypt.
- **New Trends in Teaching Workshop** May 2008  
Faculty and Leadership Development Centre, Cairo University, Egypt.
- **Research Methodology Workshop** July 2007  
Faculty and Leadership Development Centre, Cairo University, Egypt.
- **Presentation Skills Workshop** July 2007  
Faculty and Leadership Development Centre, Cairo University, Egypt.

- **Computer Course (Windows, Word, Excel, PowerPoint, Internet)**  
Faculty of Computer Sciences, Cairo University, Egypt. April-May 2003
- **Quality Control of Pharmaceutical Dosage Forms**  
Novartis August 1999
- **Production & Quality Control of Pharmaceutical Dosage Forms**  
Bristol Meyers Squib Egypt June-July 1997
- **Production & Quality Control of Pharmaceutical Dosage Forms**  
MISR Company for Pharmaceuticals July-August 1997

## **Research**

***“Knowledge, awareness and practices of pharmacists and community members towards different diseases in Asir region, Saudi Arabia”***

King Khalid University Grant No. 354

Since 2023

***“Evaluation of the in vitro Antioxidant and antidiabetic Activities of Extracts from Hyphaene thebaica***

Since 2021

***“Hepatoprotective effect of Naringenin nanoparticles in hepatocellular carcinoma”***

Since 2020

***“Hepatoprotective effect of Naringenin in acute liver failure”***

(2019-2022)

***“Antidiabetic effect of isolated compounds from Artemisia Annuua”***

(2018-2022)

***“Synthesis, anticancer and antimicrobial screening of novel dihydropyrimidines derivatives”***

(2019-2021)

***“Identification of factors promoting the regain of mature  $\beta$ -cell identity in diabetes development. Research Project with University of Ulm .Since 2013***

***“Effect of elevated  $\beta$ -cell stress levels in mice with MODY4”. Research Project with University of Ulm. (2013-2020)***

***“Antidiabetic potential of metabolites in Cleome droserifolia herb”***

King Khalid University Grant 218

(2018-2020)

***“Green Synthesis and biological evaluation of Some Novel Thiazole-Based Heterocycles as Potential Anticancer and Antimicrobial Agents”***

King Khalid University Grant 74

(2018-2019)

**“Evaluation of Acute Toxicity, Analgesic and Anti-inflammatory Activities of A Synthetic 4-Aminoantipyrine Derivative”**

(Since 2018)

**“Neurotropic Factors and In vitro Fertilization”**

Research Project with Adnan Menderes University (Since 2015)

**“Anti-Alzheimer effect of Newly Synthesized Compounds**

(2015-2019)

**“The Role of IKK/NF- $\kappa$ B in Pancreatic  $\beta$ -cell Homeostasis and Immune Mediated Diabetes Mellitus”**

PhD Thesis (2009-2013)

Institute of Physiological Chemistry

University of Ulm, Germany

Bernd Baumann

Bernhard Böhm

**“Modulation of the Biochemical Effects of Brain Ischemia in Diabetic Rats by Antioxidants”**

Masters (M.Sc.) Thesis, 2003-2009

Department of Biochemistry

Faculty of Pharmacy, Cairo University, Cairo, Egypt.

Advisor: Nabila A. Ismail

Co-advisors: Atef T Fahim, Maha M El-Sawalhi

**Publications and abstracts**

- Aldahish A, Vasudevan R, **Salem H**, Alqahtani A, AlQasim S, Alqhatani A, Al Shahrani M, Al Mohsen L, Hajla M, Calina D, Sharifi-Rad J. Telogen effluvium and COVID-19: a cross-sectional study. *Eur Rev Med Pharmacol Sci*. 2023 Aug;27(16):7823-7830. doi: 10.26355/eurrev\_202308\_33437. PMID: 37667959.
- El-Askary H, **Salem HH**, Abdel Motaal A. Potential Mechanisms Involved in the Protective Effect of Dicafeoylquinic Acids from *Artemisia annua* L. Leaves against Diabetes and Its Complications. *Molecules*. 2022; 27(3):857. <https://doi.org/10.3390/molecules27030857>
- Ahmedy OA, **Salem HH**, Sayed NH, Ibrahim SM. Naringenin affords protection against lipopolysaccharide/D-galactosamine-induced acute liver failure: Role of autophagy. *Arch Biochem Biophys*. 2022 Jan 19;717:109121. doi: 10.1016/j.abb.2022.109121. Epub ahead of print. PMID: 35065059.
- El-Malah A, Mahmoud Z, **Salem HH**, Abdou AM, Soliman MMH & Hassan RA Design, ecofriendly synthesis, anticancer and antimicrobial screening of innovative Biginelli dihydropyrimidines using  $\beta$ -aroylpyruvates as synthons, *Green Chemistry Letters and Reviews*, **2021**, 14:2, 221-233, DOI: 10.1080/17518253.2021.1896789
- Abdel Motaal A, **Salem HH**, Almaghaslah D, Alsayari A, Bin Muhsinah A, Alfaifi MY, Elbehairi SEI, Shati AA, El-Askary H. Flavonol Glycosides: In Vitro Inhibition of DPPIV, Aldose Reductase and Combating Oxidative Stress are Potential Mechanisms for Mediating the

*Antidiabetic Activity of Cleome droserifolia*. *Molecules*. **2020** Dec 11;25(24):5864. doi: 10.3390/molecules25245864. PMID: 33322431; PMCID: PMC7764826.

- Ahmedy OA, Ibrahim SM, **Salem HH**, Kandil EA. Antiulcerogenic effect of melittin via mitigating TLR4/TRAF6 mediated NF- $\kappa$ B and p38MAPK pathways in acetic acid-induced ulcerative colitis in mice. *Chem Biol Interact*. **2020** Nov 1;331:109276. doi: 10.1016/j.cbi.2020.109276. Epub 2020 Sep 28. PMID: 33002459.
- Trojanowski BM, **Salem HH**, Neubauer H, Simon E, Wagner M, Dorajoo R, Boehm BO, Labriola L, Wirth T, Baumann B. Elevated  $\beta$ -cell stress levels promote severe diabetes development in mice with MODY4. *J Endocrinol*. **2020** Feb;244(2):323-337. doi: 10.1530/JOE-19-0208. PMID: 31682591; PMCID: PMC6933809.
- El-Malah A, Abouelatta A, Mahmoud Z, **Salem HH**. New cyclooctathienopyridine derivatives in the aim of discovering better Anti-Alzheimer's agents. *J Mol Struct*, **2019**, 1196, 162-168
- Abu-Melha S, Edrees MM, **Salem HH**, Kheder NA, Gomha SM, Abdelaziz MR. Synthesis and Biological Evaluation of Some Novel Thiazole-Based Heterocycles as Potential Anticancer and Antimicrobial Agents. *Molecules*. **2019**, Feb 1;24(3). . pii: E539.
- Trojanowski BM, **Salem HH**, T Wirth, Baumann B. Mechanisms of IKK/NF- $\kappa$ B dependent diabetes development. *Congress Diabetologie und Stoffwechsel 2015*
- **Salem HH**, Trojanowski B, Fiedler K, Maier HJ, Schirmbeck R, Wagner M, Boehm BO, Wirth T, Baumann B. Long-Term IKK2/NF- $\kappa$ B Signaling in Pancreatic  $\beta$ -Cells Induces Immune-Mediated Diabetes. *Diabetes*. **2014** Mar;63(3):960-75. Epub 2013 Dec 2.
- Maier HJ, Wagner M, Schips TG, **Salem HH**, Baumann B, Wirth T: Requirement of NEMO/IKK $\gamma$  for effective expansion of KRAS-induced precancerous lesions in the pancreas. *Oncogene* **2013** May 23;32(21):2690-5. Epub 2012 Jul 2.
- Baumann B, **Salem HH**, Boehm BO: Anti-inflammatory therapy in type 1 diabetes. *Curr Diab Rep*. **2012** Oct;12(5):499-509.
- **Salem H**, Böhm B, Martin Wagner, Wirth T, Baumann B:  $\beta$ -cell specific changes in IKK/NF- $\kappa$ B signaling interfere with  $\beta$ -cell homeostasis and result in Diabetes-like phenotypes. Abstract in *Keystone Symposia: NF-kappaB Signaling and Biology: from Bench to Bedside March 2012 Whistler, Canada*.
- **Salem, HH**, El-Sawalhi, MM; Fahim, AT and Ismail, NA: Effect of green tea extract and coenzyme Q10 on ischemia/reperfusion injury in diabetic rat brain. *The Egyptian Journal of Biochemistry and Molecular Biology*. 25: 690, **2007**.

## Posters

- **Evaluation of the In vitro Antioxidant and  $\alpha$ -Glucosidase Inhibitory Activities of Extracts from *Hyphaene thebaica***  
Poster in the Research Day of the College of Pharmacy, KKU, Apr 2021.
- **Evaluation of Acute Toxicity and Analgesic Activity of A Synthetic 4-Aminoantipyrine Derivative (4-AAPD)**

Poster in the Research Day of the College of Pharmacy, KKU, Apr 2018.

- ***The Role of IKK/NF- $\kappa$ B in Pancreatic  $\beta$ -cell Homeostasis and Immune Mediated Diabetes Mellitus***

Poster in the final Symposium of GRK1041, Ulm, Germany March 2012

- ***$\beta$ -cell specific changes in IKK/NF- $\kappa$ B signaling interfere with  $\beta$ -cell homeostasis and result in Diabetes-like phenotypes.***

Poster in Keystone symposia: NF-kappab Signaling and Biology: from Bench to Bedside March 2012 Whistler, Canada

- ***The Role of IKK/NF- $\kappa$ B in Pancreatic  $\beta$ -cell Homeostasis and Immune Mediated Diabetes Mellitus***

Poster in Meeting GRK 1041 Ulm & internal retreat GRK 1208 Berlin, Gunzburg, Germany April 2010.

- ***Effect of green tea extract and coenzyme Q10 on ischemia/reperfusion injury in diabetic rat brain. Salem, HH; El-Sawalhi, MM; Fahim, AT; Ismail, NA.***

Poster in the Annual International Congress of Egyptian Society of Biochemistry and Molecular Biology, April 2007.

### ***Oral Presentations***

- ***Evaluation of acute toxicity and analgesic activity of a synthetic 4-aminoantipyrene derivative***  
*14th Annual Health Colleges Research Day, Abha, Saudi Arabia* *Apr 2019*
- ***Long-term IKK $\alpha$ /NF- $\kappa$ B signaling in pancreatic  $\beta$ -cells induces immune-mediated diabetes***  
*Abha, Saudi Arabia* *Apr 2017*
- ***Modulation of IKK/NF- $\kappa$ B signaling in Pancreatic  $\beta$ -cell induces Diabetes***  
*Final Symposium of GRK1041, Ulm, Germany* *April 2013*
- ***The Role of IKK/NF- $\kappa$ B in Pancreatic  $\beta$ -cell Homeostasis and Immune Mediated Diabetes Mellitus***  
*Symposium of GRK1041, Ulm, Germany* *March 2012*
- ***Diabetes, Brain Ischemia and Anti-oxidants.***  
*Faculty of Pharmacy, Cairo University, Cairo, Egypt.* *April 2009*

### ***Memberships***

- *Member of the Experiential Education Office in Faculty of Pharmacy King Khalid University* 2018-2022
- *Member of the active learning Committee in Faculty of Pharmacy King Khalid University* 2017-2018
- *Member of the Research Committee in Faculty of Pharmacy King Khalid University* Since 2016
- *The Egyptian Society of Tumor Markers Oncology (ESTMO)* Since 2014
- *The Egyptian Society of Biochemistry and Molecular Biology (ESBMB)* Since 2014
- *Molecular Diabetology and Endocrinology in Medicine GRK 1041 Ulm* Dec 2009-Nov 2012
- *Egyptian Pharmacists Syndicate* since 2000

### ***Community service activities***

- *Organizing Awareness Campaign on Diabetes on the celebration of the World Diabetes Day in the Guraiger Campus of King Khalid University, Abha, Saudi Arabia* Nov 2023
- *Lecture about registration rules and regulations in the orientation day to the new students in the college of Pharmacy King Khalid University Abha, Saudi Arabia* Sep 2023
- *Participation in organizing a Campaign “We Care about your medicine” to the Public in Mogan Park Mall, Khamis Mushait, Saudi Arabia* March 2023
- *Visit to the Social Care Home for the Elderly in Abha, Saudi Arabia* Feb 2023
- *Lecture about registration rules and regulations in the orientation day to the new students in the college of Pharmacy King Khalid University Abha, Saudi Arabia* Sep 2022
- *Participation in student advising and counselling, King Khalid University, KSA since 2018*

### ***Languages***

- **Arabic:** mother tongue.
- **English:** fluent.

- **Frensh:** little.
- **German:** little

### *Computer Skills*

- **Office:** Microsoft Word, Excel, PowerPoint.
- **Operating system:** Windows 8, Windows Vista, Windows XP, Windows 98.
- **Graphics:** Harvard's Graphics, Graphpad Prism.
- **Statisics:** Instat program, Graphpad Prism, SPSS.
- Photoshop, Axiovision 3.4, ImageJ 6.4, Adobe Illustrator.