

# Ahmed Ragaa Nour Ibrahim,

## B.Pharm., Pharm.D., M.Sc., Ph.D., BCNSP.

*Curriculum Vitae*

### CONTACT INFORMATION

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King Khalid University,  
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KSA

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[aribrahim@kku.edu.sa](mailto:aribrahim@kku.edu.sa)

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### ACADEMIC EDUCATION

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#### Degrees

3/2007-3/2010	Doctor of Philosophy, Molecular Biology	Hiroshima University, Higashi-Hiroshima, Japan
3/2005-3/2007	Master of Science, Molecular Biology	Hiroshima University, Higashi-Hiroshima, Japan
9/1997-5/2002	Bachelor of Science in Pharmacy,	Minia University, Minia, Egypt
8/2015-8/2017	<b>Doctor of Pharmacy “Pharm.D.”</b>	Beni-Suef University, Beni-Suef, Egypt

#### Certificates

2015-2022	<b>Board-certified Nutritional Support Pharmacist</b>	Board of Pharmacy Specialties, An autonomous division of American Pharmacists Association
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#### Fellowships

10/2014-7/2015	Post-Doctoral Fellow,	Children’s Hospital Los Angeles, University of Southern California, Los Angeles, California, USA
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#### Internship

6/2016-9/2016	Intern,	ICU, Cairo University's hospital (El Qasr El Ainy hospital)
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### PROFESSIONAL EXPERIENCE

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9/2020-till now                      **Clinical preceptor**  
*Khamis Mushait General Hospital, Khamis Mushait, KSA*

11/2018-8/2020                      **Clinical preceptor**

*Aseer Central Hospital, Abba, KSA*

11/2018-till now	Assistant professor <i>Department of Clinical Pharmacy, College of Pharmacy, King Khalid University, Abba, KSA</i>
10/2014-6/2015	Research consultant <i>Children's Hospital Los Angeles, University of Southern California, Los Angeles, California, USA</i>
6/2013-8/2013	Visiting researcher <i>Hiroshima University, Higashi-Hiroshima, Japan</i>
9/2012-9/2014	Assistant professor <i>Department of Biomedical Sciences, College of Clinical Pharmacy, King Faisal University, Al hasa, KSA</i>
7/2021 till now	Associate Professor <i>Department of Biochemistry, Faculty of Pharmacy, Minia University, Minia, Egypt</i>
1/2011-7/2021	Assistant Professor <i>Department of Biochemistry, Faculty of Pharmacy, Minia University, Minia, Egypt</i>
1/2011-9/2012	Lecturer <i>Department of Clinical Pharmacy, Faculty of Pharmacy, Modern Sciences and Arts University, Giza, Egypt</i>
10/2004-3/2010	Graduate Research Assistant, <i>Hiroshima University, Higashi-Hiroshima, Japan</i>
10/2002- 9/2004	Teaching Assistant <i>Department of Medicinal Chemistry, Faculty of Pharmacy, Minia University</i>

## **PUBLICATIONS**

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1. Evaluating Physicians' Awareness and Prescribing Trends Regarding Proton Pump Inhibitors: A cross-sectional study.  
Engy Ahmed Wahsh, Sarya Swed, Hidar Alibrahim, Haidara Bohsas, **Ahmed Ibrahim**, Abdelmonem Siddiq, Nagham Jawish, Mark Hasib Makhoul, Maram Abdulmajid Mahmoud Alrezej, Fouad Hasib Makhoul, Bisher Sawaf, Wael Hafez and Sarah Makram Elsayed  
*Frontiers in Pharma*. Accepted
2. El-Hosari, Doaa G., Wesam M. Hussein, Marwa O. Elgendy, Sara O. Elgendy, Ahmed R. N. Ibrahim, Alzhraa M. Fahmy, Afnan Hassan, Fatma Alzahraa Mokhtar, Modather F. Hussein, Mohamed E. A. Abdelrahim, and et al. 2023.

Galangal–Cinnamon Spice Mixture Blocks the Coronavirus Infection Pathway through Inhibition of SARS-CoV-2 M<sup>Pro</sup>, Three HCoV-229E Targets; Quantum-Chemical Calculations Support In Vitro Evaluation

*Pharmaceuticals* 16, no. 10: 1378. <https://doi.org/10.3390/ph16101378>

3. H. Sultan, M. AlNasser, A. Assiri, F. Tawhari, A. Bakkari, M. Mustafa, W. Alotaibi, A. Asiri, A. Khudari, A. Alshreem, M. Ayoub, S. Alkhathami, H. Basndwah, O. Alsaeed, M. Alkredees, T. Alsalem, A. Alhuwail, T. Almalki, Y. Alzahrani, F. Alshahrani, B. Alqahtani, B. Alghamdi, **A.R.N. Ibrahim**, M. Zaitoun.  
Utilization of direct oral anticoagulants in a Saudi tertiary hospital: a retrospective cohort study  
*European Review for Medical and Pharmacological Sciences*, 27, pp.10076-10081.
4. Hamed, Eman Mostafa, Mohamed Hussein Meabed, Ahmed RN Ibrahim, Ahmed M. Khalaf, Doaa Mohamed El Demerdash, Marwa O. Elgendy, Haitham Saeed, Tamer M. Mahmoud, Heba F. Salem, and Hoda Rabea.  
Clinical Care Team’s Guide for Awareness on Risk Assessment of Eltrombopag Complicating Acute Kidney Injury in Relapsed Immune Thrombocytopenic Patients: A Case Report.  
*Medicina* 59.9 (2023): 1645.
5. Hamed, Eman Mostafa, **Ahmed RN Ibrahim**, Mohamed Hussein Meabed, Ahmed M. Khalaf, Doaa Mohamed El Demerdash, Marwa O. Elgendy, Haitham Saeed, Heba F. Salem, and Hoda Rabea.  
Therapeutic Outcomes of High Dose-Dexamethasone versus Prednisolone+ Azathioprine, Rituximab, Eltrombopag, and Romiplostim Strategies in Persistent, Chronic, Refractory, and Relapsed Immune Thrombocytopenia Patients.  
*Pharmaceuticals* 16, no. 9 (2023): 1215.
6. Hammad, Asmaa SA, Mohamed M. Sayed-Ahmed, Sara Mohamed Naguib Abdel Hafez, **Ahmed RN Ibrahim**, Mohamed MA Khalifa, and Mahmoud El-Daly. "Trimetazidine alleviates paclitaxel-induced peripheral neuropathy through modulation of TLR4/p38/NF-κB and klotho protein expression.  
*Chemico-Biological Interactions* 376 (2023): 110446.
7. Hofni, A., Ali, F.E., **Ibrahim, A.** and Aboubaker, E.M., 2023. Renoprotective Effect of Thymoquinone against Streptozotocin-Induced Diabetic Nephropathy: Role of NOX2 and Nrf2 Signals.  
*Current Molecular Pharmacology*, 16(8), pp.905-914.
8. Alghazwani Y, Alqahtani AM, Alshuraymi MK, Assiri IM, Shuflut AA, Krishnaraju V, Kumarappan C, **Ibrahim ARN**, Orayj K.  
The perspective of pharmacist on pharmacovigilance and adverse drug reaction reporting in Asir region, Saudi Arabia. *Eur Rev Med Pharmacol Sci*. 2023 Feb;27(4):1667-1680.  
doi: 10.26355/eurrev\_202302\_31410. PMID: 36876701.

9. Alshahrani SM, Orayj K, Alqahtani AM, Alfatease A, Alshahrani A, **Ibrahim ARN**. Attitude and Willingness to Get COVID-19 Vaccines by a Community Pharmacist in Saudi Arabia: A Cross-Sectional Study. *Patient Prefer Adherence*. 2022 Oct 19;16:2821-2834. doi: 10.2147/PPA.S379309. PMID: 36284545; PMCID: PMC9588287.
  
10. Morsy MA, Kandeel M, **Ibrahim ARN**, Abdel-Gaber SA, Jacob S, Venugopala KN, Shinu P, El-Daly M. Carnosine Potentiates Doxorubicin-Induced Cytotoxicity in Resistant NCI/ADR-RES Cells by Inhibiting P-Glycoprotein-In Silico and In Vitro Evidence. *Molecules*. 2022 Oct 30;27(21):7383. doi: 10.3390/molecules27217383. PMID: 36364209; PMCID: PMC9659291.
  
11. Hofni A, Ali FEM, **Ibrahim ARN**, Aboubaker EM. Renoprotective Effect of Thymoquinone against Streptozotocin-Induced Diabetic Nephropathy: Role of NOX2 and Nrf2 Signals. *Curr Mol Pharmacol*. 2023;16(8):905-914. doi: 10.2174/1874467216666230125150112. PMID: 36698232.
  
12. Aboubakr EM, **Ibrahim ARN**, Ali FEM, Mourad AAE, Ahmad AM, Hofni A. Fasudil Ameliorates Methotrexate-Induced Hepatotoxicity by Modulation of Redox-Sensitive Signals. *Pharmaceuticals (Basel)*. 2022 Nov 19;15(11):1436. doi: 10.3390/ph15111436. PMID: 36422565; PMCID: PMC9693476.
  
13. Senousy SR, El-Daly M, **Ibrahim ARN**, Khalifa MMA, Ahmed AF. Effect of Celecoxib and Infliximab against Multiple Organ Damage Induced by Sepsis in Rats: A Comparative Study. *Biomedicines*. 2022 Jul 6;10(7):1613. doi: 10.3390/biomedicines10071613. PMID: 35884918; PMCID: PMC9312943.
  
14. Anter A, Ahmed AF, Hammad ASA, Almalki WH, Abdel Hafez SMN, Kasem AW, El-Moselhy MA, Alrabia MW, **Ibrahim ARN**, El-Daly M. The Severity of Acute Kidney and Lung Injuries Induced by Cecal Ligation and Puncture Is Attenuated by Menthol: Role of Proliferating Cell Nuclear Antigen and Apoptotic Markers. *Front Med (Lausanne)*. 2022 Jun 23;9:904286. doi: 10.3389/fmed.2022.904286.
  
15. Amer Ali Abd El-Hafeez, Hala Mohamed M. Marzouk, Mohamed A. A. Abdelhamid, Hazim O. Khalifa, Tamer H. A. Hasanin, Ahmed G. K. Habib, Fatma Mahmoud Abdelwahed, Fatma M. Barakat, Eslam M. Bastawy, Eman M. B. Abdelghani, Toru Hosoi, Koichiro Ozawa, Ahmed M. Aref, Takashi Fujimura, **Ibrahim ARN**, Aalaa S. O. Abdelmoniem, Hagar Elghazawy, Seiji Kawamoto, Pradipta Ghosh, Seung Pil Pack  
Anti-cancer effect of Hyoscyamus muticus extract via its activation of Fas/FasL-ASK1-p38 pathway. *Biotechnology and Bioprocess Engineering* 27, 807–819 (2022).  
<https://doi.org/10.1007/s12257-022-0085-x>

16. Mai E. Shoman, Amer Ali Abd El-Hafeez, Moteb Khobrani, Abdullah A Assiri, Sultan S. Al Thagfan, Eman M. Othman, **Ibrahim ARN**  
Molecular docking and dynamic simulations study for repurposing of multitarget Coumarins against SARS-CoV-2 main protease, papain-like protease and RNA-Dependent RNA polymerase.  
*Pharmacia*, Aug 2022, 69 (1), 211-226  
<https://doi.org/10.3897/pharmacia.69.e77021>
17. MA Morsy, AAK El-Sheikh, **Ibrahim ARN**, M El-Daly  
Protection of Hesperidin against Methotrexate-Induced Nephrotoxicity may be Mediated by Nrf2/HO-1 Pathway  
*Indian Journal of Pharmaceutical Education And Research* 2021 Nov, 55 (4), 1066-1073  
DOI: 10.5530/ijper.55.4.207
18. Morsy MA, El-Sheikh AAK, **Ibrahim ARN**, Venugopala KN, Kandeel M. In silico and in vitro identification of secoisolariciresinol as a re-sensitizer of P-glycoprotein-dependent doxorubicin-resistance NCI/ADR-RES cancer cells. *PeerJ*. 2020 Jun 10;8:e9163. doi: 10.7717/peerj.9163. PMID: 32566390; PMCID: PMC7293189.
19. Mohammed Morsi, Mahmoud El-Daly, Anwaar S. M. Abu Shnaf, Sherif W. Mansour, **Ibrahim ARN**  
Protective Mechanisms of Piperine against Renal Ischemia-Reperfusion Injury in Rats  
*Pharmacognosy Magazine* 2020, 16 (70), 425  
[DOI:10.4103/pm.pm\\_586\\_19](https://doi.org/10.4103/pm.pm_586_19)
20. Rania H. Abu-Baih; Asmaa M. A. Bayoumi; **Ibrahim ARN**; Mohamed G. Ewees; Salama R. Abdelraheim  
Natural polyphenols target the TGF- $\beta$ /caspase-3 signaling pathway in CCl<sub>4</sub>-induced liver fibrosis in rats  
*JABPS*. 2019 June 2:129-134  
DOI: [10.21608/JABPS.2019.13319.1049](https://doi.org/10.21608/JABPS.2019.13319.1049)
21. Mohamed A Kamel, **Ibrahim ARN**, Gamal El-Din Abu Rahma  
Interleukin-27 and Risk of Coronary Artery Disease  
*JABPS*. 2019 May 2:1-6  
DOI: [10.21608/JABPS.2018.5020.1020](https://doi.org/10.21608/JABPS.2018.5020.1020)
22. Abd El-Hafeez AA, Khalifa HO, Mahdy EAM, Sharma V, Hosoi T, Ghosh P, Ozawa K, Montano MM, Fujimura T, **Ibrahim ARN**, Abdelhamid MAA, Pack SP, Shouman SA, Kawamoto S.  
Anticancer effect of nor-wogonin (5, 7, 8-trihydroxyflavone) on human triple-negative breast cancer cells via downregulation of TAK1, NF- $\kappa$ B, and STAT3. *Pharmacol Rep*. 2019 Apr;71(2):289-298. doi: 10.1016/j.pharep.2019.01.001. Epub 2019 Jan 7. PMID: 30826569; PMCID: PMC6536637.

23. Tharwat E, Gad GFM, Nazmy MH, Mohamed HI, Hamza N, Wahid A, **Ibrahim ARN**. Impact of IL-27p28 (rs153109) and TNF- $\alpha$  (rs1800629) Genetic Polymorphisms on the Progression of HCV Infection in Egyptian Patients. *Immunol Invest*. 2019 Apr;48(3):255-267. doi: 10.1080/08820139.2018.1510958. Epub 2018 Sep 11. PMID: 30204505.
24. Morsy MA, El-Sheikh AAK, **Ibrahim ARN**, Khedr MA, Al-Taher AY. In silico comparisons between natural inhibitors of ABCB1/P-glycoprotein to overcome doxorubicin-resistance in the NCI/ADR-RES cell line. *Eur J Pharm Sci*. 2018 Jan 15;112:87-94. doi: 10.1016/j.ejps.2017.11.010. Epub 2017 Nov 11. PMID: 29133241.
25. Abdel-Hamid NM, Shehata DE, Abdel-Ghany AA, **Ibrahim ARN**, Wahid A. Serum serotonin as unexpected potential marker for staging of experimental hepatocellular carcinoma. *Biomed Pharmacother*. 2016 Oct;83:407-411. doi: 10.1016/j.biopha.2016.07.005. Epub 2016 Jul 15. PMID: 27424322.
26. **Ibrahim ARN**, Ahmed H. K. El-Hashash  
Lung stem cell behavior in development and regeneration; Review Article.  
*Edorium Journal of Stem Cell Research and Therapy*. 1 :1–13, Feb, 2015  
DOI:[10.5348/S03-2015-1-RA-1](https://doi.org/10.5348/S03-2015-1-RA-1)
27. Muhammad SohailAfzal, AmanyAbdElreheem, **Ahmed Ragaa**, Ahmed Wahid  
HCV Genotype 4; A Brief Review.  
*Journal of Gastroenterology and Hepatology Reseach*. 3 (2):Feb, 2014
28. Mansour SW, Sangi S, Harsha S, Khaleel MA, **Ibrahim ARN**. Sensibility of male rats fertility against olive oil, Nigella sativa oil and pomegranate extract. *Asian Pac J Trop Biomed*. 2013 Jul;3(7):563-8. doi: 10.1016/S2221-1691(13)60114-8. PMID: 23836459; PMCID: PMC3695583.
29. **Ibrahim ARN**, Kawamoto S, Mizuno K, Shimada Y, Rikimaru S, Onishi N, Hashimoto K, Aki T, Hayashi T, Ono K. Molecular cloning and immunochemical characterization of a new Japanese cedar pollen allergen homologous to plant subtilisin-like serine protease. *World Allergy Organ J*. 2010 Nov;3(11):262-5. doi: 10.1097/WOX.0b013e318201d81d. PMID: 23282945; PMCID: PMC3651113.
30. **Ibrahim ARN**, Kawamoto S, Nishimura M, Pak S, Aki T, Diaz-Perales A, Salcedo G, Asturias JA, Hayashi T, Ono K. A new lipid transfer protein homolog identified as an IgE-binding antigen from Japanese cedar pollen. *Biosci Biotechnol Biochem*. 2010;74(3):504-9. doi: 10.1271/bbb.90685. Epub 2010 Mar 7. PMID: 20208354.
31. **Ibrahim ARN**, Kawamoto S, Aki T, Shimada Y, Rikimaru S, Onishi N, Babiker EE, Oiso I, Hashimoto K, Hayashi T, Ono K. Molecular cloning and immunochemical characterization of a novel major Japanese cedar pollen allergen belonging to the aspartic protease family. *Int Arch*

*Allergy Immunol.* 2010;152(3):207-18. doi: 10.1159/000283026. Epub 2010 Feb 10. PMID: 20145409.

### **Book chapters**

1. **Ahmed RN Ibrahim**, Deshna Majmudar, Safia Gilani, Jesse Garcia Castillo and Ahmed El-Hashash (2015) Stem Cell Regulatory Mechanisms During Wound Healing and Cancer In Stem cells for cancer and genetic disease treatment (Pp. 121 Chapter-22). Sharjah, Bentham Science Publishers.
2. John Ku, Wadah Alhassen, Haifen Huang, Salaheldin S. Soliman, **Ahmed RN Ibrahim** and Ahmed HK El-Hashash (2015) Adult Stem Cell Niches and Their Regulatory Molecular Mechanisms In Stem cells for cancer and genetic disease treatment (Pp. 106 Chapter-15). Sharjah, Bentham Science Publishers.

### **Articles in preparation**

32. **Ahmed R. N. Ibrahim**, Mohamed A. Morsi, Mohamed Berika, Sameh Elshahawy, Ahmed H. K. El-Hashash  
Molecular effects of Eya1 protein phosphatase on PKC $\zeta$  and Numb in epithelial cells (*in preparation*)

### **PRESENTATIONS**

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**Podium presentations** in the following conferences:

The Annual Meeting of the Japanese Society of Allergology, 2007, Tokyo, Japan

The XX World Allergy Congress, December 2-6, 2007, Bangkok, Thailand

The Annual Meeting of the Japanese Society of Allergology, 2009, Gifu, Japan

The XXI World Allergy Congress, December 6-10, 2009, Buenos Aires, Argentina

**Poster presentation in:**

The Saban Research Institute Annual Poster Session, June, 2015, Los Angeles, USA.

### **HONORS/AWARDS/CERTIFICATES**

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1- **Research Grant for the project “Evaluation of An Antimicrobial Stewardship Program in Saudi Hospitals”** from the Deanship of Scientific Research at King Khalid University, Grant number RGP.1/271/43 (June 2022 to May 2023).

2- **Research Grant for the project “Molecular modeling study for the design of new & old chemical entities as potential inhibitors of SARS-COV-2 replication”**, from the Institute for Research and Consulting Studies at King Khalid University, Grant number 15-102-S-2020 (June 2020 to November 2020).

3- **Post-doctoral Fellowship**, Egyptian Cultural Affairs and Missions Sector (Oct 2014 to March 2105).

- 4- **Travel Grant Award**, World Allergy Congress 2009, World Allergy Organization.
- 5- **Japanese Governmental Monbukagakusho Research Scholarship**, the Japanese Ministry of Education, Culture, Sports, Science, and Technology (MEXT),  
A Research student from 2004 to 2005,  
renewed as a Master's student from 2005 to 2007,  
renewed as a Ph.D. student from 2007 to 2010
- 6- **Honor certificate as a top graduate** of Faculty of Pharmacy, Minia University, Class of 2002
- 7- **Board-certified Nutritional Support Pharmacist** Board of Pharmacy Specialties, An autonomous division of American Pharmacists Association

## **ADMINISTRATIVE EXPERIENCE**

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2020-2022	Member of the Pharmacy and Therapeutics committee. <i>Khamis-Mushait General Hospital, Khamis-Mushait, KSA.</i>
2022-2023	Member of the Graduate Studies and Research committee. <i>College of Pharmacy, KKU, Abha, KSA.</i>
11/2015-10/2018	Vice-coordinator for Hospitals and Clinical Training Affairs. <i>Faculty of Pharmacy, Minia University, Minia, Egypt.</i>
9/2015-10/2018	Executive manager of the Center of Molecular Biology (CMB). <i>Faculty of Pharmacy, Minia University, Minia, Egypt.</i>
9/2015-3/2016	Editor of the electronic portal <i>Faculty of Pharmacy, Minia University, Minia, Egypt.</i>
9/2015-3/2016	Coordinator of the Faculty of Pharmacy, Minia University. <i>JM-Biotec TEMPUS Joint Project, Minia, Egypt.</i>

## **SELECTED TEACHING EXPERIENCE (Master's degree)**

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**Research Methodology Seminar** (*College of Pharmacy, King Khalid University, Abha, KSA*)  
This course is designed to teach students the basics principles of scientific research designs and hone their professional presentation skills. Students will be familiarized with topics pertinent to the methodologies of writing research proposals and manuscripts and how to present them effectively. During the course, students will present and discuss their ideas on issues related to their research topics.

**Research Project (Coordinator)** (*College of Pharmacy, King Khalid University, Abha, KSA*)  
The main purpose of the course is to provide students with hands-on research experience through a specific research project. Under supervision of an academic faculty member, students will conduct research on a relevant topic that allows students to formulate a research hypothesis, critique literature, design experimental methodologies, analyze data, and



draw logical conclusion.

**Besides, supervision of six out of twenty-four research projects in the Master of Pharmacy in Pharmaceutical Business Administration (MPBA) program.**

## **SELECTED TEACHING EXPERIENCE (PharmD and BPharm)**

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**Therapeutics-1** (*College of Pharmacy, King Khalid University, Abha, KSA*)

The lectures provide students with an overview of the pathophysiology, diagnosis, and treatment of Kidney, Gastrointestinal diseases, and Electrolyte disorders.

**Therapeutics-2** (*College of Pharmacy, King Khalid University, Abha, KSA*)

The lectures provide students with an overview of the pathophysiology, diagnosis, and treatment of Endocrine diseases, Infectious diseases, and Immunological disorders.

**Therapeutics-4** (*College of Pharmacy, King Khalid University, Abha, KSA*)

The lectures provide students with an overview of the pathophysiology, diagnosis, and treatment of Bronchial asthma, Chronic obstructive pulmonary disease, and Cardiovascular diseases.

**Drug information** (*College of Pharmacy, King Khalid University, Abha, KSA*)

The course provide students with an overview of the continuously growing field of drug information. The currently available resources and databases for drugs. Critical appraisal of the research articles.

**Clinical Pharmacy** (*Faculty of Pharmacy, Modern Sciences and Arts University*)

The lectures afford an overview of the pathophysiology, diagnosis, and treatment of Bronchial asthma, Chronic obstructive pulmonary disease, Viral Hepatitis, Anemia, Renal failure, Gastrointestinal diseases, and Obesity.

**Pharmacogenomics** (*Department of Pharmacy Practice, College of Clinical Pharmacy, KFU*)

The course is designed to introduce the students to the role of genetics in drug responses. The genetic basis of variability in drug response can contribute to drug efficacy and toxicity, adverse drug reactions and drug-drug interactions

**Nutritional Support** (*Department of Pharmacy Practice, College of Clinical Pharmacy, KFU*)

The lectures cover an overview of the nutritional assessment, dietary requirements in different diseases.

**Nutritional Support** (*Department of Biochemistry, Faculty of Pharmacy, Minia University, Egypt*)

The lectures provide students with an overview of the nutritional assessment, dietary requirements in different diseases, enteral and parenteral nutrition.

## **Selected PHARMACEUTICAL SOCIETY ACTIVITIES**

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**Antimicrobial stewardship** (*campaign*)

**Center for disease control and prevention (CDC)**

A campaign has been launched in several hospitals in Egypt under the supervision of the American Center for disease control and prevention (CDC) for antimicrobial stewardship. I was one of the five-membered team responsible for this campaign. I contributed in the material preparation and in one of the workshops in Assuit-university hospital.

### **Blood Gases** (*workshop*)

#### ***Nasser Institute Hospital, Cairo, EGYPT - Feb 2017***

I did a workshop in Nasser Institute Hospital, Cairo for the basics and clinical practice of blood gases. The attendees were from the craniofacial surgery department and clinical pharmacy department.

### **Blood Gases** (*workshop*)

#### ***Imbaba General Hospital, Giza, Egypt - Aug 2017***

I did a workshop in Imbaba General Hospital, Giza for the basics and clinical practice of blood gases. The attendees were from the clinical pharmacy department and clinical pharmacy fellows.

### **Heart failure in Children** (*workshop*)

#### ***Abu ElReesh Children hospital, Giza, EGYPT - Sep 2018***

I did a workshop in Abu ElReesh Children hospital, Giza for the basics and clinical practice of blood gases. The attendees were from the clinical pharmacy department and clinical pharmacy trainees.

### **Antimicrobial stewardship** (*workshop*)

#### ***Minia General Hospital, Minia, EGYPT - Sep 2016 to Aug 2017***

I did a workshop in Minia General Hospital, Minia for the basics and clinical practice of blood gases. The attendees were from the clinical pharmacy department and clinical pharmacy fellows.

### **Management of Pneumonia** (*workshop*)

#### ***Beni-Mazar General Hospital, Minia, EGYPT - Sep 2016 to Aug 2017***

I did a workshop in Beni-Mazar General Hospital, Minia for the management of pneumonia. The attendees were from the clinical pharmacy department and clinical pharmacy fellows.

### **Drug information** (*workshop*)

#### ***Saudi-German hospital, Abha, KSA- Feb 2019***

I did a workshop in Saudi-German hospital, Abha, KSA for the different applications and resources of drug information. The attendees were from the clinical pharmacy department and clinical pharmacy fellows.

## **PHARMACY PRACTICE EXPERIENCE**

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### **ICU and Internal Medicine Pharmacist** (*preceptor*)

#### ***Khamis Mushait General Hospital, Khamis Mushait, Saudi Arabia - Sept 2020 till now***

The Internal Medicine Traineeship is a program designed for pharmacy interns in internal medicine wards and intensive care unit settings who are providing specialized services for internal medicine patients. The preceptor trains the interns to design patient-specific pharmacotherapy; solve drug therapy problems; and develop protocols, policies, and procedures for the treatment of such patients.

### **CCU Pharmacist** (*preceptor*)

#### ***Aseer Central Hospital, Abha, Saudi Arabia - Nov 2018 – Aug 2020***

The Critical Care Traineeship is a program designed for pharmacy interns in cardiovascular acute settings who are providing specialized services for cardiac patients. The preceptor train the trainees to design patient-specific pharmacotherapy; solve drug therapy problems; and develop protocols, policies, and procedures for the treatment of such patients.

### **PICU Pharmacist** (*volunteer*)

#### ***Abu ElReesh Children hospital, Giza, EGYPT - Sep 2017***

The Critical Care Traineeship is a program designed for clinicians in acute settings who are providing specialized services for critically ill patients. The traineeship prepares participants to design patient-specific pharmacotherapy; solve drug therapy problems; and develop protocols, policies, and procedures for the treatment of such patients.

**ICU Pharmacist** (*intern*)

*Minia General hospital, Minia, EGYPT - Sep 2016 to Aug 2017*

The Critical Care Traineeship is a program designed for clinicians in acute settings who are providing specialized services for critically ill patients. The traineeship prepares participants to design patient-specific pharmacotherapy; solve drug therapy problems; and develop protocols, policies, and procedures for the treatment of such patients.

**ICU Pharmacist** (*intern*)

*Cairo University's hospital (El Qasr El Ainy hospital), Giza, EGYPT - June 2016*

The Critical Care Traineeship is a program designed for clinicians in acute settings who are providing specialized services for critically ill patients. The traineeship prepares participants to design patient-specific pharmacotherapy; solve drug therapy problems; and develop protocols, policies, and procedures for the treatment of such patients.

**Staff Pharmacist** (*part-time*)

*Al-Foly Pharmacy, Minia, EGYPT - June 2002 to June 2003*

Provided extensive education to various patient populations on disease states and drug therapy; motivated students to adopt a patient-centered pharmacy practice; helped transform the pharmacy into a trusted pharmacist-managed clinic; improved collaborative patient care with physicians.

**Staff Pharmacist- Intern** (*volunteer*)

*Adham Pharmacy, Minia, EGYPT - June 2000 to April 2002*

Trained on providing community pharmacy services.

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**COMMITTEES**

2014-2015; Member, American Heart Association

2011- 2013; Manager of the training unit for the Clinical Pharmacy Program students in the Faculty of Pharmacy, Minia University

2011- 2013; Editor of the electronic portal of the faculty of Pharmacy, Minia University

2004-2010; Member, Japanese Society of Allergology

2002; President, Minia Scientific Pharmaceutical Students' Association (MSPSA), EGYPT

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**LICENSURE**

8/2002-present Registered Pharmacist, Egypt

5/2020-present Registered Pharmacist, KSA

2015-2022 Board-Certified Nutritional Support Pharmacist

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**PROFESSIONAL AFFILIATIONS**

8/2002- present; Egyptian Syndicate of Pharmacists, member