

Curriculum Vitae

Sahar Badr Hassan Khalil, Ph.D.

Personal details:

Name: Sahar Badr Hassan Khalil

Date of Birth: 16/04/1976

Sex: Female

Nationality: Egyptian

Marital Status: Married

Present Position: Associate professor of Clinical Pharmacy, Faculty of Pharmacy, Assiut University.

E-mail: sahar.badr@pharm.aun.edu.eg

: saharbadr164@yahoo.com

Mobile number: +20 (01014505064)

Office telephone: +20 (088 241 1578)

Contact Address: Department of Clinical Pharmacy, Faculty of Pharmacy, Assiut University, Assiut 71526, Egypt.



Academic Qualifications:

- B.Sc. (Pharmaceutical Sciences, Faculty of Pharmacy, Assiut University, 1999), a grade of “very good” with Honors.
- M.Sc. (Pharmaceutical sciences, Faculty of Pharmacy, Assiut University, 2005), thesis entitled: "Formulation and evaluation of Bromocriptine Mesylate Suppositories".
- Ph.D. (Clinical Pharmacy, School of Pharmacy, University of Nottingham, England, November 2013), thesis entitled “Investigating the clinical outcomes and costs associated with management of type 1 diabetes in children and young people in the UK using primary and secondary care databases”.

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Academic positions:

- 1999- 2005: Demonstrator in the department of Pharmaceutics, Faculty of Pharmacy, Assiut University, Egypt.
- 2005-2009: Lecturer assistant in the department of Pharmaceutics, Faculty of Pharmacy, Assiut University, Egypt.
- 2009-2014: Lecturer assistant in the department of Clinical Pharmacy, Faculty of Pharmacy, Assiut University.
- 2009-2014: Ph.D. Researcher, School of Pharmacy, University of Nottingham, England.
- 2014-2022: lecturer of Clinical pharmacy, Faculty of Pharmacy, Assiut University, Egypt.
- 2022 October till now: Associate professor of Clinical pharmacy, Faculty of Pharmacy, Assiut University, Egypt.
- 2023 February till now: Acting Head of Clinical pharmacy Department, Faculty of Pharmacy, Assiut University, Egypt.
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Teaching Experience:

- Participating in teaching courses to undergraduate students in the clinical pharmacy program, the pharmaceutical science program and to the pharm D. program.
- Participating in teaching courses to postgraduates registered for the diploma of clinical pharmacy, diploma of clinical nutrition and to postgraduates registered for master and Ph.D. programs.

a- Undergraduates courses:

I am teaching, mentoring, examining and evaluating students. I am also interested in determining, developing, and implementing the most effective means of teaching how to deliver pharmacy care by developing and evaluating training programs and evaluating different educational curricula. The teaching courses for different students levels are:

- Pharmacotherapy I
- Pharmacotherapy II

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- Clinical pharmacy I
- Clinical pharmacy II
- Clinical pharmacokinetics
- Drug information
- Drug marketing and pharmacoeconomics
- Communication Skills
- Clinical Pharmacy practice
- Community pharmacy
- Hospital pharmacy
- Pharmaceutical care
- Clinical nutrition
- Radiopharmaceuticals

b- Postgraduates courses:

(Diploma of clinical pharmacy, Diploma of Hospital pharmacy, Diploma of clinical nutrition, Pharm D-postgraduate, Master of clinical pharmacy, Ph.D. of clinical pharmacy)

- Therapeutics 1
- Therapeutics 2
- Therapeutics 3
- Therapeutics 4
- Clinical Pharmacy Practice
- Drug information
- Communication Skills
- Medicine management
- Clinical pharmacokinetics and biostatistics
- Pharmacoeconomics
- Interpretation of clinical laboratory data
- Clinical foundation of nutrition support
- Drug-nutrient interactions
- Clinical nutrition support of specific diseases
- Pharmaceutical care
- Evidence-based practice

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- Precision medicine
- Hospital Management and Administration

Postgraduates supervision

Contribute as a co-supervisor for M.Sc. theses in the area of dermatological diseases, gastrointestinal diseases, cardiovascular diseases, infectious diseases and oncology.

1. "Impact of clinical pharmacist's interventions on optimizing the use of proton pump inhibitors in hospitalized patients", 2015.
2. "Reporting and monitoring the adverse effects of corticosteroids in treatment of certain dermatological diseases", 2015.
3. "Current practice and future prospects of using oxaliplatin in cancer patients, Assiut University Hospital", 2015.
4. "Evaluating the therapeutic role of vitamin k administration in patients with liver cirrhosis". 2016
5. "Clinical study of the response to doputamine and dopamine in pediatric shock patients at Assiut University Hospital". 2017
6. "Investigating the clinical outcomes of prolonged versus intermittent infusion of antibiotics in critically ill pediatric patients with sepsis at Assiut University children's hospital", 2017.
7. "Impact of antimicrobial stewardship program on antibiotics use in neonatal intensive care unit at Assiut university Children's hospital", 2017.
8. "Evaluation of the Effect of L-Carnitine Supplementation in Cachectic Pancreatic Cancer Patients at Assiut University Hospital", 2023.
9. "Impact of Clinical Pharmacist Interventions on Clinical and Economic Outcomes in Cardiovascular Intensive Care Patients at Assiut University Hospital", 2024.
10. "Pharmacoeconomic Evaluation of Certain Neuroprotectives and Antiplatelet Agents Use in acute Ischemic Stroke Patients: Cos-Effectiveness Analysis", 2024.
11. "Effect of Dexmedetomidine on postoperative Pain in Spinal Anesthesia for Cesarean Section at Assiut University Hospital", 2024.

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Contribute as a co-supervisor for Ph.D. theses in the area of clinical nutrition, cardiovascular diseases and oncology.

1. "Stability study and clinical evaluation of lipid emulsion used in total parenteral nutrition for neonates", 2014.
2. "Studying the Effect of Genetic Variation on Efficacy and Safety of Lipid-Lowering Drugs in Patients with Cardiovascular Diseases", 2021.
3. "Clinical Study of the Efficacy and Safety of Sorafenib in Egyptian Patients with Hepatocellular Carcinoma", 2022.

c- Field training:

- 1- Training and supervision of pharmacy undergraduate students in in-patient and out-patient field training in the university hospital settings.
- 2- Training and supervision of pharmacy undergraduate students in community pharmacy field training.
- 3- Supervision of Pharm D- postgraduate students in in-patient and out-patient field training in the university hospital settings.

Research interests:

- 1- Pharmacy practice research
- 2- Pharmaceutical education
- 3- Clinical pharmacy services
- 4- Clinical pharmacokinetics
- 5- Drug use evaluation and drug development
- 6- Pharmacotherapy and medication outcomes
- 7- Pharmacoepidemiology
- 8- Pharmacoeconomics
- 9- Health education and health promotion.

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Administrative positions and memberships:

- Member of the General Syndicate of Pharmacists (1999).
- Member of the "Development and Implementation of Clinical Pharmacy Courses of Pharmacy Students Project (HEEPF)", Faculty of Pharmacy, Assiut University, Assiut, Egypt.
- Member of the "Continuous Improvement and Qualifying for Accreditation Project (CIQAP)", Faculty of Pharmacy, Assiut University, Assiut, Egypt.
- Member of the Quality Assurance Unit, Faculty of Pharmacy, Assiut University, Assiut, Egypt
- Member of the Committee of Faculty of Pharmacy for Education and Students Affairs.
- Member of Faculty of Pharmacy council (2020)
- Reviewer for Bulletin of Pharmaceutical Sciences (Bull. Pharm. Sci., Assiut University).
- Contributor in development and reviewing of undergraduate and postgraduate courses.
- Course coordinator for clinical pharmacy program courses for undergraduates- Faculty of pharmacy- Assiut- Egypt.
- Course coordinator for clinical pharmacy diploma courses for postgraduates- Faculty of pharmacy- Assiut- Egypt.
- Member of faculty of pharmacy committee of International Pharmaceutical Conference of Assiut University 2016, 2018, 2020 and 2022.
- Member of faculty of pharmacy committee of Obligatory training for Pharm D program and Pharm D-Clinical Pharmacy program (2024).
- Secretary of the Faculty of Pharmacy council (2024)

Attended educational courses and trainings in the UK:

- 1- Economic Evaluation and Pharmacy seminar 3 (ESRC funded event), National Science Learning Centre, York, 2009.

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- 2- Health Economic Study Group Meeting (HESG), University of Sheffield-UK, 2009.
- 3- Getting started with research design and statistics, Nottingham, UK, 2009.
- 4- Planning your research, Nottingham, UK, 2009.
- 5- Referencing and citing using Endnote, Nottingham, UK, 2009.
- 6- Problem exploration in research, Nottingham, UK, 2009.
- 7- Introduction to quantitative research, Nottingham, UK, 2009.
- 8- Introduction to SPSS for researchers, Nottingham, UK, 2009.
- 9- Basic Statistics, Nottingham, UK, 2009.
- 10- Using Excel as a Database, Nottingham, UK, 2009.
- 11- Creating a Poster in Power Point, Nottingham, UK, 2009.
- 12- Creating and Managing Long Documents in Microsoft Word, Nottingham, UK, 2009.
- 13- Preparing your first year report and writing scientific abstracts, Nottingham, UK, 2009.
- 14- Advanced Statistics 1 - Introduction to multivariate methods and multiple linear regressions, Nottingham, UK, 2010.
- 15- Advanced Statistics 2 - Multiple logistic regression and further model building strategies, Nottingham, UK, 2010.
- 16- Advanced Statistics 3- Survival data and COX regression, Nottingham, UK, 2010.
- 17- Core teaching skills (Professional Development) , Nottingham, UK, 2010.
- 18- Advanced Course in Applied Health Economics, University of York, UK, 2010.
- 19- Introductory Analysis of Linked Health Data- Training course, University of Swansea, Wales, UK, 2010.
- 20- Methods for the analysis of panel data in health and health care- Training course, University of York, UK, 2010.
- 21- HSRN Spring meeting- What can administrative data do for you? Nottingham, UK, 2011.
- 22- Microeconometrics using stata, University of Cambridge, UK, 2012.
- 23- Survival analysis: modelling time-to-event data, centre for microdata and practice (cemmap), Institute for Fiscal Studies, London, UK, 2013.

Faculty and Leadership Development Training Courses (FLDC), Assiut University, Egypt:

1. Training course on "Effective Teaching", May 2005.
2. Training course on "Selected Topics in Teaching", August 2005
3. Training course on "Communication Skills", June 2006.
4. Training course on "Legal Aspects in University Environment", June 2006.
5. Training course on "Thinking Skills", June 2006.
6. Training course on "Research Ethics", July 2006.
7. Training course on "Student Evaluation" September 2007.
8. Training course on "Code of Ethics", December 2007.
9. Training course on "How to compete for a Research Fund", November 2016.
10. Training course on "Statistics Analysis in Scientific Research", December 2016.
11. Training course on "How to Activate the E-course". April 2018.

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12. Training course on "Publications of research in international journals" February 2019.

National Authority for Quality Assurance and Accreditation in Education Courses in Egypt:

- 1- Education Programs and Courses Specifications and Evaluation of Learning Outcomes for Higher Education Institutes. August 2018.
- 2- Strategic Planning for Higher Education Institutes. September 2018.
- 3- Self-Evaluation: Faculties and Institutes of Higher Education. March 2019

Conferences, workshops and scientific trainings:

1. The 4th international pharmaceutical science conference, March 2004, Assiut University, Assiut, Egypt.
2. First training course in "Clinical Pharmacy" held in Faculty of Pharmacy, June 2005, Assiut University, Assiut, Egypt.
3. First training course in "First aid" held in Faculty of Pharmacy, July 2005. Assiut, Assiut University, Egypt.
4. Training course on "The Role of the Pharmacist in Drug Information Handling" held in Faculty of Pharmacy, September 2005. Assiut University, Assiut, Egypt.
5. The 5th international pharmaceutical science conference, March 2006, Assiut University, Assiut, Egypt.
6. Second training course in "Clinical Pharmacy and First aid" held in Faculty of Pharmacy, September 2006. Assiut University, Assiut, Egypt.
7. The 6th international pharmaceutical sciences conference, March 2008. Assiut University, Assiut, Egypt.
8. The 10th international pharmaceutical science conference, April 2016. Assiut University, Assiut, Egypt.
9. Training course on "Google scholar, Research gate", November 2017.
10. Training course on "Egyptian Knowledge Bank (EKB)", March 2018.
11. Training course on "How to use Prezi-data show program", November 2018.

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12. 5th workshop of Pediatric Clinical Nutrition Unit on “Guidelines for Intravenous Fluid Therapy and Total Parenteral Nutrition”, on 22th of March 2018, Assiut University Children Hospital, Assiut, Egypt.
13. The 11th international pharmaceutical science conference, April 2018. Assiut University, Assiut, Egypt.
14. Workshop of “Electrical analytical chemistry and its applications in pharmacy and pharmacokinetics” 13-14 December 2018. Assiut University, Faculty of Pharmacy, Assiut, Egypt.
15. Workshop of “COMET Assay Principles and Applications” 27-28 February 2019. The Molecular Biology Research Unit of Assiut University, Assiut, Egypt.
16. “Drug information workshop” 20-22 August 2019. Assiut University, Faculty of Pharmacy, Drug Information Center, Assiut, Egypt.
17. Upper Egypt Congress of Clinical Nutrition and Metabolism, 5-6 March 2020, Assiut University, Assiut, Egypt.
18. The 12th international pharmaceutical sciences conference, Nov, 2020. Assiut University, Assiut, Egypt.
19. “EKB and its applications on scientific research”, 4-5 October 2021.
20. “Clinical pharmacy, Nutrition, Biosimilars and drug discovery workshop”, the 14th Breast-Gynecological & Immunooncology International Cancer Conference, 20-21 January 2022.
21. Together against Cancer, towards providing a better health service for cancer patients in Upper Egypt. 13-14 February 2022.
22. The 13th international pharmaceutical sciences conference, Nov, 2022. Assiut University, Luxor, Egypt.
23. The 6th Annual conference of Assiut University Hospital Pharmacists, April, 2024. Assiut University, Assiut, Egypt.

Awards and Honors:

- 1- Gold Medal from Faculty of Pharmacy, Assiut University, Egypt in recognition as the 1st Class Honors (1999).

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- 2- Gold Medal from Egyptian Syndicate of Pharmacists in recognition as the 1st Class Honors (1999).
- 3- Egyptian Ph.D. Scholarship (2008) funded by Egyptian Government.
- 4- Successful applicant in applying for funding for “Rectal Dexmedetomidine Niosomes for Prospective Analgesia in Pediatric Cancer Patients” from Faculty of Pharmacy, Assiut University, Egypt.

Conference presentations and abstracts:

1. Ehsan Hafez, I.E.El-Gebaly, **Sahar B. Hassan**, Formulation and Evaluation of Bromocriptine Mesylate Suppositories. Presented as poster at the 4th international pharmaceutical science conference, March 2004, Assiut University, Assiut, Egypt.
2. **Sahar B. Hassan**, Rachel A. Elliott & Murray D. Smith, Reporting incidence (1990-2009) of newly diagnosed T1D and T2D in children and young people under the age of 20 using The General Practice Research Database (GPRD) presented as poster at the School of Pharmacy, University of Nottingham, June 2011, Nottingham, the UK.
3. **Sahar B. Hassan**, Rachel A. Elliott & Murray D. Smith, Gender Differences in HbA1c Levels in Children and Young People with Type 1 Diabetes: a Longitudinal Analysis presented as poster at FIP Centennial Congress of Pharmacy and Pharmaceutical Sciences, 3-8 October 2012 in Amsterdam, The Netherlands.
4. **Sahar B. Hassan**, Rachel A. Elliott & Murray D. Smith, Longitudinal Analysis of HbA1c Levels in Children and Young People with Type 1 Diabetes presented as poster at PharmSci 2012 Conference, 12–14 September 2012 in Nottingham, the UK.
5. **Sahar B. Hassan**, Mohamed M. M. Abdel-Latif, Knowledge, Attitude and Practice of Self-Medication among Egyptian Subjects. The 11th international pharmaceutical science conference, 11-12 April 2018. Assiut University, Assiut, Egypt.
6. Neveen H. Abdel Aal, Rania S. Mahmoud, Reham M. Mohammed, **Sahar B. Hassan**, Mohamed M. M. Abdel-Latif, Clinical and Economic Impact of Clinical Pharmacy Services at Assiut University Children's Hospital. The 11th international pharmaceutical science conference, 11-12 April 2018. Assiut University, Assiut, Egypt.

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7. Doaa A. E. Abou-Taleba, **Sahar B. Hassan**, Ayad A. A. Ghabeshab, Ahmed M. Elsayed, Severe Adverse Cutaneous Drug Reactions: Clinical patterns, Prevalence and Causative Drugs in Assiut University Hospital. The 11th international pharmaceutical science conference, 11-12 April 2018. Assiut University, Assiut, Egypt.
8. Ola Abd El-Aziz Sayed, **Sahar B. Hassan**, Mohamod Fahmy El-Sabahy, Nafisa Hassen Refaat, Ahmed M. El-Sayed, Stability study of intravenous lipid emulsion (SMOF lipid 20%) in total parenteral nutrition admixtures used for neonates. The 11th international pharmaceutical science conference, 11-12 April 2018. Assiut University, Assiut, Egypt.

Publications:

1. Atef M Darwish, Ehsan Hafez, Ibraheem El-Gebali, **Sahar B. Hassan**. Evaluation of a novel vaginal bromocriptine mesylate formulation: a pilot study. Fertility and sterility, 2005; 83(4):1053-5.
2. Atef M. Darwish, Ehsan Hafez, Ibraheem El-Gebali, **Sahar B. Hassan**, Mohammad E. Ali Rectal versus vaginal bromocriptine mesylate suppositories in hyperprolactinemic patients: an active comparator trial. Middle East Fertility Society Journal, 2007; 12(2):25-29.
3. Osama Mohamed Mohamed Ali, Abdurahman Salah Mohamed, Esmael Ibrahim Mohamed, Sara Fekry Abdullah, **Sahar Badr Hassan**, Mohamed M. M. Abdel-Latif. Knowledge and awareness of the novel coronavirus disease (COVID-19) pandemic among Egyptian population. Bulletin of Pharmaceutical Sciences, Assiut University. 2020 Vol. 43, Issue2, pp. 177-189.
4. NE Eleraky, A Allam, **SB Hassan**, MM Omar. Nanomedicine fight against antibacterial resistance: an overview of the recent pharmaceutical innovations. Pharmaceutics 12 (2), 142 - 2020
5. Fatma A El Sherif, Ahmad M Abd El-Rahman, Ahmed H Othman, Samia A Shouman, Mervat M Omran, Nivin A Hassan, **Sahar B Hassan**, Ebrahim Aboeleuon. Analgesic Effect of Morphine Added to Bupivacaine in Serratus Anterior Plane Block Following Modified Radical Mastectomy. Only a Local

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- Effect? Randomized Clinical Trial. Journal of Pain Research, 2020 31;13:661-668.
6. DAE Abou-Taleb, AM El-Sayed, AA Ghabesha, **SB Hassan**. Severe cutaneous adverse drug reactions: Incidence, Clinical Patterns, Causative Drugs and Modalities of Treatment in Assiut University Hospital, Upper Egypt. Dermatologic Therapy. 2020 Nov;33(6):e14176.
 7. Rehab ElHiny, Amr S. Amin, Hend M. Moness, **Sahar B. Hassan**, Mohamed M. Abdel-Latif, Hatem A. Sarhan. Efficacy and cost-effectiveness of generic rosuvastatin compared with the brand in patients with stable coronary artery disease. Journal of clinical and experimental cardiology, 2020 Vol.11 Iss.11 No:685
 8. Ola Abd El-Aziz Sayed, **Sahar B Hassan**, Ayat Abdelkader, Mahmoud Elsabahy, Nafisa HR Abdelaziz, Ahmed M El-Sayed. Stability Study and Clinical Evaluation of Lipid Injectable Emulsion in Parenteral Nutrition Admixtures Used for Preterm Neonates. Nutrition in Clinical Practice. 2021 June; 36(3): 696–703.
 9. Sahar Abdel-Baky Mohamed, Hala Saad Abdel-Ghaffar, Nivin Abdel-Azim Hassan, Fatma Adel El Sherif, Samia Abdelsamie Shouman, Mervat Mostafa Omran, **Sahar Badr Hassan**, Ayat Ahmed Abd EL-Monsef Allam, Doaa Gomaa Sayed. Pharmacokinetics and Pharmacodynamics of 3 Doses of Oral-Mucosal Dexmedetomidine Gel for Sedative Premedication in Women Undergoing Modified Radical Mastectomy for Breast Cancer. Anesthesia & Analgesia 2021 Feb 1;132(2):456-464
 10. Mohamed M. M. Abdel-Latif, **Sahar B. Hassan**, Kamal Sabra. The Status of Community Pharmacy in Egypt: Are community pharmacies ready to deliver clinical pharmacy services at the national level? Bulletin of Pharmaceutical Sciences. Assiut, Vol. 44, Issue 1, 2021, pp. 99-110.
 11. Fatma A El Sherif, Hala Abdel-Ghaffar, Ahmed Othman, Sahar Mohamed, Mervat Omran, Samia Shouman, Nivin Hassan, Ayat Allam, and **Sahar Hassan**. Pharmacokinetics and Pharmacodynamics of Dexmedetomidine Administered as an Adjunct to Bupivacaine for Transversus Abdominis Plane Block in Patients Undergoing Lower Abdominal Cancer Surgery. Journal of Pain Research. 2022; 15: 1–12. (3.13)

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12. Ayat A Allam, Nermin E Eleraky, Nadeen H Diab, Mahmoud Elsabahy, Sahar A Mohamed, Hala S Abdel-Ghaffar, Nivin A Hassan, Samia A Shouman, Mervat M Omran, **Sahar B Hassan**, Noura G Eissa. Development of Sedative Dexmedetomidine Sublingual In Situ Gels: In Vitro and In Vivo Evaluations. *Pharmaceutics*. 2022, 14(2), 220.
13. Tarek Refaat Mohameed, Haidi Karam-Allah Ramadan, Mohamed Abdel-Latif, **Sahar Badr Hassan**, Therapeutic Efficacy of Oral versus Intravenous Vitamin K in Patients with Liver Cirrhosis. *Bulletin of Pharmaceutical Sciences*, Assiut University. Vol. 45, Issue 2, 2022
14. Marwa Kamal, Mohamed M. M. Abdel-Latif, **Sahar Badr Hassan**, Pharmacists' Knowledge and Attitudes about ADRs Reporting and Pharmacovigilance Practice in Egyptian Hospitals. *Bulletin of Pharmaceutical Sciences*, Assiut University. Accepted 28 August 2022.

Language proficiency:

- 1- Arabic (Native language)
- 2- English (Written and Spoken), International (internet based) TOEFL

List of Preferences:

Professor: Mohamed Mahmoud Mohamed Abdel-Latif
Department of the Clinical Pharmacy
Assiut University, Assiut
Egypt
Email: m.abdellatif@aun.edu.eg
Tel (Mobile): 002 01010607375

Professor: Ikramy Abd El-Raheem Khalil
Department of Pharmaceutics
Assiut University, Assiut
Egypt
Email: ikramy@aun.edu.eg
Tel (Mobile): 002 01555497410