

## Faculty Portfolio

### **Dr. Naglaa Samir Bazan**

Associate Professor  
Department of Clinical Pharmacy  
College of Pharmacy  
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### **Education:**

<b>Year of Graduation</b>	<b>Qualifications (Specializations if any)</b>	<b>University/College, Country</b>
2019	Professional Post-graduate Diploma in Total Quality Management for Health Care Reform	American University in Cairo, Cairo, Egypt
2012	Ph.D in Pharmaceutical Sciences (Clinical Pharmacy)	Clinical Pharmacy Department - Faculty of Pharmacy - Cairo University, Cairo, Egypt
2008	Master Degree in Pharmaceutical Sciences (Pharmaceutics - Clinical Pharmacy)	Pharmaceutics Department - Faculty of Pharmacy - Cairo University, Cairo, Egypt
2000	Bachelor Degree in Pharmaceutical Sciences - Faculty of Pharmacy - Cairo University	Faculty of Pharmacy - Cairo University, Cairo, Egypt

### **Professional experience:**

<b>Year</b>	<b>Positions</b>	<b>University/College, Country</b>
2023- till date	Associate Professor	Department of Clinical Pharmacy, College of Pharmacy, King Khalid University, Abha, Kingdom of Saudi Arabia
2022-till date	Associate Professor in Clinical Pharmacy	Cairo University Hospitals, Cairo, Egypt
2014-till date	Lecturer at the Egyptian Fellowship of Clinical Pharmacy	Egyptian Fellowship of Clinical Pharmacy, Egyptian Ministry of Health, Cairo, Egypt
2021- 2023	Head of Clinical Pharmacy Department	Cairo University Hospitals, Cairo, Egypt
2013-2021	Assistant Professor (Fellow) and Head of Clinical Pharmacy	Critical Care Medicine Department, Cairo University Hospitals, Cairo, Egypt
2013-2022	Assistant Professor/Associate Professor	Clinical Pharmacy and Pharmacy Practice Department – Faculty of Pharmacy– Future University in Egypt, Cairo, Egypt

2018-till date	Instructor of Basic Life Support course	Egyptian College of Critical Care Physicians, Egypt
2015-2016	Head of Clinical Pharmacy Department	Cairo University Hospitals, Cairo, Egypt
2013-2021	Assistant Professor	PharmD Program at Clinical Pharmacy Department – Faculty of Pharmacy - Cairo University, Cairo, Egypt
2013-2015	Assistant Professor	Clinical Pharmacy Diploma- Clinical Pharmacy Department – Faculty of Pharmacy - Ain Shams University, Cairo, Egypt
2011 – 2013	Lecturer/Assistant Professor	Clinical Pharmacy Department – Faculty of Pharmacy - Ahrum Canadian University, Cairo, Egypt
2008-2013	Senior Clinical Pharmacist	Critical Care Medicine Department, Cairo University Hospitals, Cairo, Egypt
2001 –2008	Hospital Pharmacist	Critical Care Medicine Department, Cairo University Hospitals, Cairo, Egypt
2000-2003	Community Pharmacist	El-Salam Pharmacy, Cairo, Egypt

#### Community service activities

Year	Positions & Name of the Project	University/Company, Country
2023	Supervisor at the Diabetes Awareness Exhibition	Khalid University, Abha, Kingdom of Saudi Arabia
2021	COVID-19 Vaccines: Immediate Vaccination or Mechanical Ventilation Webinar	Future University in Egypt, Cairo, Egypt
2021	COVID-19 Vaccines: From a Pharmacy Perspective and the Pivotal Role of Pharmacists to Raise Awareness Webinar	Faculty of Pharmacy, Cairo University, Cairo, Egypt
2020	Serial Webinars entitled Management of COVID 19 based on Current Evidence	Cairo University Hospitals, Cairo, Egypt

#### Academic/research awards:

Year/Duration of Award	Name of the Award	University/Company, Country
2020	First place team at the Evidence based impact of Clinical Pharmacists in health care system competition for the project entitled “ <b>The Impact of Pharmacist-led Medication Reconciliation upon Admission and Discharge in an Egyptian Critical Care Unit</b> ”	Arab International Pharmacy Conference, at Grand Nile Tower Hotel, Cairo, Egypt

2020	Second place team at the Evidence based impact of Clinical Pharmacist for the project entitled “ <b>Impact of a Clinical Pharmacist Guided Antimicrobial Stewardship Intervention on Clinical and Economic Outcome in an Egyptian Intensive Care Unit</b> ”	Arab International Pharmacy Conference, at Grand Nile Tower Hotel, Cairo, Egypt
2015	Hassan Azazy Award for Best Research Presentation In the area of Clinical Pharmacy & Clinical Pharmacology	3rd FUE International Conference of Pharmaceutical Sciences, at Intercontinental-City Star, Cairo, Egypt

#### Workshops/ Trainings:

Year	Title	University/Company, Country
2023	SIDP Antimicrobial Stewardship Certificate Program, a national program for pharmacists providing or implementing antimicrobial stewardship programs.	Society of Infectious Disease Pharmacists, Warrenville, United States of America
2019	International Clinical Pharmacy Experience	St. John College - Wegmans School of Pharmacy, NY, United States of America
2019	Statistical Analysis in Academic Research Workshop	Egyptian Knowledge Bank, Military Medical Academy, Cairo, Egypt
2018	The Egyptian College of Critical Care Physicians Basic Life Support Instructor Course	Egyptian College of Critical Care Physicians, Cairo, Egypt
2017	GCP Essential Guidelines and Legislation 2015 course, Validation Code: 42446024	PharmaSchool Online Learning
2016	The British Council Coventry University Pharmacoeconomics Programme Course	British Council and Coventry University, England
2015	The QPPVs Pharmaceutical Vigilance Training	The Regional Pharmaceutical Vigilance Center at Cairo (EPVC-Cairo), Egypt
2012	Systematic Approach to Answering Drug Information Questions	University of Georgia, College of Pharmacy, United States of America held at Misr International University, Cairo, Egypt

2012	Advancements in Clinical Practice and New Drug Update Seminar	University of Georgia - College of Pharmacy - Office of Postgraduate Continuing Education and Outreach, United States of America held at Misr International University, Cairo, Egypt
2010	Clinical Pharmacy Seminar Series	University of Georgia - College of Pharmacy - Office of Postgraduate Continuing Education and Outreach, United States of America held at Misr International University, Cairo, Egypt

#### Research interests:

- Pharmacogenetics
- Pharmacoeconomics
- Clinical pharmacy services
- Critical care medicine
- Cardiology
- Personalized medicine
- Infectious diseases

#### Teaching experience:

Taught to Bachelor of Pharmacy (BPharm), Doctor of Pharmacy (PharmD), Master of Pharmacy (MPharm), Egyptian fellowship of Clinical Pharmacy and Clinical Pharmacy Diploma Programs the following subjects

- Cardiovascular Diseases
- Infectious Diseases
- Endocrine Disorders
- Community Pharmacy and Self-care
- Hospital Pharmacy
- Hematological Disorders
- Hepatic and renal diseases
- Gastrointestinal disorders
- Autoimmune diseases
- Genitourinary disorders
- Skin Disorders
- Fluids and Electrolytes
- Nutrition

### Professional membership:

Year	Name of the professional Body	Role
2023	Associate Member of the Society of Infectious Disease Pharmacists, United States of America	Till date
2022	Scientific Council of Clinical Pharmacy of the General Organization for Teaching Hospitals and Institutes, Egypt	Till date
2014	Scientific Council of the Egyptian Clinical Pharmacy Fellowship Program (MOH), Egypt	Till date
2014	Egyptian College of Critical Care Physicians, Egypt	Till date
2001	Egyptian Pharmacists Syndicate, Egypt	Till date

### Research grants:

Year/Duration of Grant	Title of the Project	Awarding Body

### Publications:

1. Alaa A, Sarhan N, Lotfy El-Ansary MG, Bazan NS, Farouk K, Ismail RS, Schalaan MF, Abd-Allah ARA. Association between genetic polymorphism, severity, and treatment response among COVID-19 infected Egyptian patients. *Front Pharmacol*. 2023 Jun 22;14:1209286.
2. Eladawy, Sara Mostafa; Elgendy, Mohamed Abd Alsalam; Zaki, Mamdouh Ahmed; Bazan, Naglaa Samir. Cost-Effectiveness of de novo Simvastatin as Adjunctive Therapy in Patients Critically Ill with Sepsis. *Am Health Drug Benefits*. 2022 Dec; 15 (4).
3. Hadidi, S.E., Bazan, N.S., Byrne, S. et al. Factors influencing prescribing by critical care physicians to heart failure patients in Egypt: a cross-sectional survey. *Futur J Pharm Sci* 8, 40 (2022).
4. Naiim, C.M., Elmazar, M.M., Sabri, N.A. et al. Extended infusion of piperacillin–tazobactam versus intermittent infusion in critically ill egyptian patients: a cost-effectiveness study. *Sci Rep* 12, 10882 (2022).
5. Adly, D.H.E., Bazan, N.S., El Borolossy, R.M. et al. Midodrine improves clinical and economic outcomes in patients with septic shock: a randomized controlled clinical trial. *Ir J Med Sci* 191, 2785–2795 (2022).
6. Hesham El-Sherazy N, Samir Bazan N, Mahmoud Shaheen S, A Sabri N. Impact of ascorbic acid in reducing the incidence of vancomycin associated nephrotoxicity in critically ill patients: A preliminary randomized controlled trial. *F1000Res*. 2021 Sep 16;10:929.

7. Bazan, N.S., Farid, S.F. & Baines, D.L. Impact of clinical pharmacists on adherence to stress ulcer prophylaxis protocol in critically ill Egyptian patients: a comparative study. *Drugs Ther Perspect* 2021; 37, 35-43.
8. Ali WA, Bazan NS, Elberry AA, Hussein RRS. A randomized trial to compare procalcitonin and C-reactive protein in assessing severity of sepsis and in guiding antibacterial therapy in Egyptian critically ill patients. *Ir J Med Sci.* 2021 Nov;190(4):1487-1495
9. El Hadidi S, Samir Bazan N, Byrne S, Darweesh E, Bermingham M. Heart Failure Prescribing Quality at Discharge from a Critical Care Unit in Egypt: The Impact of Multidisciplinary Care. *Pharmacy (Basel).* 2020 Sep 1;8(3):159.
10. Hadeer Eid Eliwa , Ebtissam Darweesha , Nagwa Sabri , Naglaa Bazan Evaluation of Clinical outcomes of Generic versus Reference Ivabradine in Heart Failure Patients. *Archives of Pharmaceutical Sciences Ain Shams University* 2020; 4 (2): 194-206.
11. Sara M. Eladawy , Naglaa S. Bazan. Future of Statins in Sepsis: A Review on Its Safety and Efficacy. *Archives of Pharmaceutical Sciences Ain Shams University* 2020; 4(1):20-35.
12. Hadeer Eid Eliwa , Ebtissam Darweesha , Nagwa Sabri , Naglaa Bazan. Ivabradine in Chronic Heart Failure. *Archives of Pharmaceutical Sciences Ain Shams University* 2020; Vol. 4(1):36-46.
13. Impact of clinical pharmacy services on Egyptian patients with chronic heart failure in the outpatient setting. N Bazan, A Shower, A Abdelaziz, M Farid - *European Heart Journal SUPPLEMENTS*, 2020
14. PSY7 Cost-Effective Analysis for Simvastatin Plus Standard Therapy Versus Standard Therapy Alone In Critically Ill Septic Patients. Eladawy, S., Bazan, N. S., Elgendy, M. A. A., Zaki, M. A. (2019). *Value in Health*, 22, S375. doi:10.1016/j.jval.2019.04.1832
15. Impact of a clinical pharmacy service on heart failure guideline-led prescribing at discharge in an Egyptian critical care unit. El Hadidi S, Bazan NS, Darweesh E, Byrne S, Bermingham M. *European Journal of Heart Failure* (2019) 21 (Suppl. S1) 5–592; doi:10.1002/ejhf.1488
16. Factors influencing guideline-led prescribing to heart failure patients in an Egyptian critical care setting El Hadidi S, Bazan NS, Darweesh E, Byrne S, Bermingham M. *European Journal of Heart Failure* (2019) 21 (Suppl. S1) 5–592; doi:10.1002/ejhf.1488
17. El Hamamsy M, Kamal N, Bazan NS, El Haddad M. Evaluation of the effect of acetazolamide versus mannitol on cisplatin-induced nephrotoxicity, a pilot study. *Int J Clin Pharm.*2018;40(6):1539-1547
18. Bazan NS, E. A. Darweesh EA, El-Sherif A. Medication Errors in Egyptian Critically Ill Patients with Renal Insufficiency: An Assessment of the Need for Optimizing Clinical Pharmacy Service. *IJPSR*, 2018; 9(8): 3523-3529
19. El-Hamamsy MH , Mostafa SM, Bazan N, ELGendy MA , Zaki MA. The Clinical Outcome of Simvastatin plus Standard Therapy Versus Standard Therapy Alone in Critically Ill Septic Patients: Randomized Controlled Clinical Trial. *Eur J Clin Pharm* 2016; 18(5): 296-303

20. Bazan NS, Sabry NA, Rizk A, Mokhtar S, Badary OA. Factors Affecting Warfarin Dose Requirements and Quality of Anticoagulation in Adult Egyptian Patients: Role of Gene Polymorphism. *Ir J Med Sci.* 2014 ;183(2):161-72.
21. Bazan NS, Sabry NA, Rizk A, Mokhtar S, Badary O. Validation of Pharmacogenetic Algorithms and Warfarin Dosing Table in Egyptian Patients. *Int J Clin Pharm.* 2012;34(6):837-44. • Abdel-Bari A, Mokhtar MS, Sabry NA, Abd El-Shafi S, Bazan NS. Once versus Individualized Multiple Daily Dosing of Aminoglycosides in Critically ill Patients. *Saudi Pharm J.* 2011;19(1): 9-17.

### Conference attendance/presentations:

1. Participated as a Chairperson and Speaker in the antimicrobial course at the 5th united conference of hepatogastroenerology and infectious diseases, Intercontinental City Stars, 22-24 September 2022, Cairo, Egypt.
2. Participated as a Chairperson, speaker and organizer of the clinical pharmacy session at the Egyptian Critical Care Summit, Grand Nile Tower Hotel, Cairo, Egypt, 29-31 March 2022, Cairo, Egypt.
3. Member of the Hospital Contest Evaluation Committee at the Sixth Annual Arab International Pharmacy conference (AIPC 2022), Hilton Heliopolis, Cairo, Egypt, 19, 20 March 2022, Cairo, Egypt.
4. Participated as a Chairperson and organizer of the clinical pharmacy session at Cardio prevent 2021, Ramses Hilton Hotel, Cairo, Egypt, 17,18 December 2021, Cairo, Egypt.
5. Participated as a speaker “COVID-19 and Drug Induced Liver Injury- Case Presentation” at the COVID-19 and Liver Webinar meeting organized by Egyptian Society of Fever in Collaboration with Arab Society of Infectious Diseases and Antimicrobials, 15 May 2020, Cairo, Egypt.
6. Participated as an organizer and speaker of the workshop “Best practices in glycemic control in the intensive care and hospital setting” at 5th FUE International Conference of Pharmaceutical Sciences, Royal Maxim Palace Kempinski, First Settlement, Cairo, Egypt, from 28-30 January, 2019.
7. Participated as a speaker “Anti-infective Drugs in ECMO” at the South West Asia and Africa Chapter (SWAAC ELSO) Sixth Annual Conference, Grand Nile Tower Hotel, Cairo, Egypt, 16-18 January 2019.
8. Participated as a speaker at the 21st Annual Meeting of Preventive Cardiology and Rehabilitation W.G Cardio Prevent 2019, “Role of Clinical Pharmacist in Clinical Cardiology”, Hilton Cairo Heliopolis, 6-7 November 2019, Cairo, Egypt
9. Participated as an organizer of clinical pharmacist session at Cardio Prevent 2018, 15th -16th November, 2018, Cairo, Egypt
10. Participated as invited speaker and organizer of the workshop “ Anticoagulants in special Populations” at the 6th Damietta Pharmaceutical Scientific Conference, 27th – 29th September 2018, Egypt.
11. Participated as invited speaker at the 2nd Annual conference on clinical pharmacy in MNGH , Mansoura, 10 April 2018, Egypt.

12. Participated as invited speaker in the 3rd series of critical care conference, March 8, 2018, Cairo, Egypt.
13. Participated as an Expert panel speaker at the First Clinical pharmacy Regulatory Forum by the Central Administration of Pharmaceutical affairs (CAPA) held within the Egyptian Foundation of Clinical Pharmacy (EFCP) annual Meeting in collaboration with the International Pharmaceutical Federation (FIP) Hosted by the British university in Egypt (BUE), 29-30 January 2018, Cairo, Egypt
14. Hadeer Eliwa, BS Pharm, Naglaa Bazan, PhD, Ebtissam Darweesh, MD and Nagwa Sabri, PhD. Therapeutic Equivalence of Generic Product Versus Reference Product of Ivabradine in Patients with Chronic Heart Failure: A crossover Study. (accepted and presented as poster at 2018 ACCP Global Conference on Clinical Pharmacy. Seattle, Washington, USA, 20-23 October 2018).
15. Bazan NS, Samy SE, Nasser R, Nader A, Hassanin N. Impact of Implementing Clinical Pharmacy Services at Cairo University Hospitals' Neonatal Intensive Care Unit, accepted and presented as oral presentation and discussion at 4th FUE International Conference of Pharmaceutical Sciences, Cairo, Egypt, 31 January - 2 February, 2017, Cairo, Egypt.
16. Participated as invited speaker in the ECMO Day at The Egyptian African Critical Care Summit, 9 - 12 January 2017, Cairo, Egypt
17. Participated as an organizer and invited speaker in the clinical pharmacy session at 44th Annual International Congress of the Egyptian Society of Cardiology (CardioEgypt 2017), February 20 – 23 , 2017, Cairo, Egypt
18. Participated as a Moderator of the Workshop “Pharmacy Practice and Clinical Pharmacy” at the 4th FUE International Conference of Pharmaceutical Sciences, Dusit Thani LakeView New Cairo January 31- February 2, 2017, Cairo, Egypt.
19. S. Eladawy, M. El-Hamamsy, N. Bazan, M. Elgendy. N°0895. The Clinical Outcome of Simvastatin plus Standard Therapy Versus Standard Therapy Alone in Critically Ill Septic Patients: Randomized Controlled Clinical Trial, accepted and presented as oral presentation at the 29th ESICM Annual Congress held in Milan, 1-5 October, 2016.
20. Participated as an organizer and invited speaker in the clinical pharmacy session at 43rd Annual International Congress of the Egyptian Society of Cardiology (CardioEgypt 2016), 22-25 February , 2016, Cairo, Egypt
21. Bazan NS, Darwish EA, El-Sherif A. Medication Errors in Egyptian Critically ill Patients with Renal Insufficiency: An Emphasis on the Need for Optimizing Clinical Pharmacy Service, accepted and presented as poster presentation at 75th FIP World Congress of Pharmacy and Pharmaceutical Sciences 2015 Düsseldorf, Germany, 29 September – 3 October, 2015.
22. Bazan NS, Darwish EA, El-Sherif A, Hamid L. Evaluation of Medication Errors in Intensive Care Unit Patients with Renal Insufficiency: A Retrospective Study Emphasizing the Need for Optimizing Clinical pharmacy Service, accepted as oral presentation and discussion at 3rd FUE International Conference of Pharmaceutical Sciences, Cairo, Egypt, 9-11 February, 2015



23. Participated as an organizer and invited speaker in the clinical pharmacy session at 42nd Annual International Congress of the Egyptian Society of Cardiology (CardioEgypt 2015) from 23-26 February, 2015, Egypt
24. Participated as a moderator of the workshop “ Bedside Clinical Software to Optimize Individualized Drug Dosage Regimens” at 3rd FUE International Conference of Pharmaceutical Sciences from 9-11 February, 2015, Egypt
25. Attended the “ Egyptian Critical Care Summit”, 12th - 15th January, 2015, Cairo, Egypt
26. Participated as an invited speaker at clinical pharmacy session in the 41st Annual Conference of the Egyptian Society of Cardiology (CardioEgypt 2014) from 24 -27 December, 2014, Egypt.
27. Bazan NS, Sabry NA, Rizk A, Mokhtar S, Badary O. Factors Affecting Warfarin Dose Requirements and Quality of Anticoagulation in Adult Egyptian Patients (accepted for oral presentation and discussion at Cardioalex 2012 conference, Alexandria, Egypt, 6th - 8th June, 2012.
28. Attended the “1st Egyptian Clinical Pharmacy Conference”, 14th - 15th October, 2012, Egypt.
29. Naglaa Samir Bazan, Nagwa Ali Sabry, M. Sherif Mokhtar, A. Abd El-Bary. Clinical Pharmacokinetics of Single versus Multiple Daily Dosing of Aminoglycosides in Critically Ill Patients, accepted and presented as a poster in the XXXII conference of pharmaceutical sciences, Cairo, Egypt, December, 2011.
30. N. Bazan, M. Sabar-Ayad, M. Youssry, M. Osman, A. R. El Naggar, M. Zaki. Outcome of Clinical Pharmacology and Pharmacy Project In Cairo University Hospitals: The Magnitude of Drug related Problems in the Critical Care Units on the topic “Clinical pharmacy education/training (CET) (accepted for poster discussion during the ESCP Annual Symposium, in Lyon, France, 21- 23 October, 2010
31. Participated as an invited speaker in the 10th regional annual assembly meeting of the Egyptian Scientific Society of Broncology (ESSB) from 1st -3rd December, 2010, Egypt.