

Curriculum Vitae

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Positions and Designations

2022-Present	Assistant Dean for Graduate Studies , College of Medicine, University of Sharjah
2020-Present	Professor , Department of Clinical Sciences, College of Medicine, University of Sharjah
2016-2020	Associate Professor , Department of Clinical Sciences, College of Medicine, University of Sharjah
2015-Present	Evaluator , The Accreditation Council for Pharmacy Education (ACPE)'s International Services Program
2013-2016	Chief Academic Office , Dubai Pharmacy College
2011-2016	Associate Professor , Department of Pharmacology and Toxicology Dubai Pharmacy College
2008-2013	Head of Professional Practice Experience Unit -Dubai Pharmacy College
2008 –2011	Assistant Professor , Department of Pharmacology and Therapeutics- Dubai Pharmacy College
2004 – 2008	Assistant Professor , Department of Biopharmaceutical and Clinical Pharmacy, University of Jordan - Amman, Jordan
1998 - 1999	Lecturer , Queen Alia College - Amman, Jordan

Education

2022	Professional Diploma in Health Professions Education , University of Sharjah
2004	PhD in Pharmacology and Toxicology- University of Bologna/ Italy Thesis title: Intestinal inflammation as a model to develop new drugs: Potential effects of Cannabinoid (CB1) receptors and β 3-adrenoceptor antagonists. The research was published in Neurogastroenterology and Motility journal, 2008 Sep; 20(9):1030-41
1998	Bachelor of Pharmacy-University of Jordan- Faculty of Pharmacy/ Jordan (GPA 3.72- Excellent)

Certifications

- 2021** **CAA Certified Reviewer-Commission for Academic Accreditation**
Ministry of Education, UAE
- 2021** **Certified Academic Accreditation Reviewer-Education and Training Evaluation**
Commission (ETEC)-Saudi Arabia.
- 2021** **Advanced Certificate in Health Professions Education-University of Sharjah**
- 2020** **Basic Certificate in Health Professions Education-University of Sharjah**

Membership

- 2021** Member, American Association of Colleges of Pharmacy
- 2015** Evaluator, Accreditation Council for Pharmacy Education (ACPE) International Services
Program
- 2010** Member, American Society for Pharmacology and Experimental Therapeutics (ASPET)
- 2010** Member, National Centre of Biotechnology (NCB)-Jordan
- 2006** Member, The Middle East & North Africa Clinical Toxicology Association
(MENATOX)
- 1998** Member, Jordan Pharmaceutical Association (JPA)
- 1998** Profession Practice from Jordanian Ministry of Health-Jordan

Grants and Awards

- 2022** Principle investigator. Targeted Grant-University of Sharjah. The research entitled
"Effects of *Micromeria fruticosa* Extract on Colorectal Cancer in an Animal
Model" 200,000 AED.
- 2020** Principle investigator. Competitive Grant-University of Sharjah. The research
entitled "Investigating the antitumor activity of four Emirati plants against breast
cancer lines" 80,000 AED.
- 2020** Co-investigator. COVID-19 Research Fund -University of Sharjah. Impact of Gene
Variants on Therapeutic and Immune Response in COVID-19 patients:
A predictive model of the Disease Outcome", 210,000 AED.
- 2020** Co-investigator. Implementing diabetes risk screening and prevention program in
community pharmacies in the United Arab Emirates (Initial approval)
- 2019** Principle investigator. Competitive grant-University of Sharjah. The research
entitled "Evaluating the antitumor activity of selective 11 β -hydroxysteroid
dehydrogenase-type-2 inhibitor on various cancer cell lines", 80,000 AED.

- 2019** Co-investigator. Competitive grant-University of Sharjah, 3. "Investigating the activation mechanisms of kynurenine, Kynurenic acid and Anthranilic acid on insulin secretion in Pancreatic β -cells." 80,000 AED.
- 2018** Principle investigator. LABCO grant award. The research entitled "Evaluating the antitumor activity of selective 11 β -hydroxysteroid dehydrogenase-type-2 inhibitor on breast cancer cell lines", 15,000 AED.
- 2017** Principle investigator. Competitive grant-A model for hospital health care professionals in the United Arab Emirates to identify, assess and counsel asthma patients for the effective use of the treatment and improved health outcome-University of Sharjah, 50,000 AED
- 2017** Principle investigator. Antitumor activities of phenolic compounds isolated from the *Micromeria fruticose*. Boehringer Ingelheim undergraduate research fund, 15,000 AED
- 2017** Principle investigator. Seed Research Grant. Targeting of PI3K-FoxO-Survivin axis with different flavonoidal compounds to overcomes trastuzumab resistance in on BT474 HER2-overexpressing breast cancer cell line -University of Sharjah, 40,000 AED
- 2016** Principle investigator. *In vitro* antitumor action of *Micromeria fruticose* L Druce subsp. Serpyllifolia Boehringer Ingelheim undergraduate research fund, 11,500 AED
- 2016** Best Poster Award at the 4th International Conference and the 2nd Conference of the Association of Faculties of Pharmacy at Jordanian Universities, 25-27 October 2016, entitled "Revealing treatment-related problems for outpatient with chronic diseases in United Arab Emirates"
- 2016** 9th Position Award for the best innovative student poster in Dubai international Pharmaceutical and Technologies Conference (DUPHAT 2016), Dubai, 17-20 March 2016
- 2014** 8th Position Award for the best thematic for student poster in Dubai international Pharmaceutical and Technologies Conference (DUPHAT 2014), Dubai, 10-12 March 2014
- 2012** Ibn Al Telmeez Award for the Best Healthcare Management Research presentation at the 8th Emirates Critical Care Conference - Dubai 2012 (ECCC - Dubai 2012), 5th – 7th April 2012, "Guideline Adherence for Antithrombotic Therapy in Acute Coronary Syndrome: An Overview in Emirati Hospitals"
- 2011** Co-investigator. Medical Research Fund (Dubai Medical College-UAE), 8500 US\$

- 2010** Principle investigator. Medical Research Fund (Dubai Medical College-UAE), 8,500 US\$
- 2010** Second Position Award for Best Poster in 3rd Medication Safety Conference, Abu-Dhabi, 2010. "Social perception of the community pharmacist in UAE, Cross-sectional study"
- 2007** Co-investigator. Deanship of Scientific Research at the University of Jordan, Grant No.1070, 28,000 US\$.
- 2006** Best research paper for the paper entitled "A survey of the general public's view of the professional role of the community pharmacist, over-the-counter (OTC) drugs and the community based pharmaceutical services" from the 1st Kuwait Pharmaceutical Sciences Conference & 10th Conference of Scientific Association of Colleges of Pharmacy in the Arab World, Kuwait 11 – 13 December 2006.
- 2002** Grant from the University of Bologna (2003-2004) and the Italian Ministry of Education, University and Research (COFIN 2002 Project 2002052573).
- 2000** Scholarship from Italian Ministry of Foreign Affairs for PhD studies
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Professional Experiences

1. Teaching and Training

My teaching philosophy is based on the belief that learning needs to be student-centred and that students need to be equal partners in the learning process. My role involves using my expertise to put the necessary resources in the students' hands or, more likely, to ensure that my students are well equipped to find and evaluate the resources they need to answer their questions.

I always had a strong passion for teaching, and I believe that my personal and professional characteristics enable me to excel at what I do. I believe that passionate teachers inspire their students and even get them excited about what they're learning. I always use various teaching, learning and assessment methods to improve the learning experience and engage my students. I enjoy utilizing technology to enhance education. However, rather than creating a barrier, I think technology can be used to bring students and teachers closer together.

Postgraduate

Teaching "Immunotherapy of cancer" course in the Ph.D. program in Molecular Medicine and Translational Research and "Special topics in cancer biology" course in the Master program in Molecular Medicine and Translational Program Research, College of Medicine, University of Sharjah.

Delivering the Clinical Pharmacology (I &II) courses in Dubai Pharmacy College for the MPharm-Clinical Pharmacy Program.

Instructing several courses of Pharmacotherapy, Clinical Toxicology and seminars in the MSc. in Clinical Pharmacy program- The University of Jordan

In addition to guiding the master student at their Clinical Pharmacy Practice course at the Jordan University Hospital in which I instruct them in areas of clinical responsibility; developing therapeutic plans; monitors patient drug therapy; identifies resolves and prevents drug related problems.

Undergraduates

Undergraduate teaching activities including lectures, practical, Problem Based Learning (PBL) for several courses of Pharmacotherapy, Pharmacology, Toxicology and Medical Terminology for MBBS, BPharma and Pharm D programs. These courses enable students to develop the knowledge and skills needed by the physician and pharmacist to gather, document, evaluate and communicate information relevant to therapeutic interventions and rational drug therapy. This allows students to apply didactic knowledge to patient care, refine problem-solving and decision-making skills; manage drug therapy of adult medicine patients.

Besides, I guided the undergraduate students at The University of Jordan throughout their Clinical Pharmacy Practice course at the University Hospital, in which I trained them to develop therapeutic plans; monitor patient drug therapy, identify, resolve and prevent drug-related problems.

Continuous Medical Education Programs

- Participating in many Continuous Medical Education program held by international pharmaceutical companies (Pharmacists Academy)

- Participating in many Continuous Medical Education program (CME) held by Jordanian Pharmacist Association (JPA), The Royal Medical Services- Jordan, Ministry of Health in UAE and Dubai Health Authority (DHA).

2. Research and Graduation Project Supervision

1. Principal investigator/ co-investigator in many basic and clinical pharmacological studies including alternative and complementary medicine, and drug safety.
2. Developing proposals for the design of research studies related to health issues, including the healthcare system, service delivery, public health, and pharmaceutical care.
3. Contribute to health outcomes strategies for multiple projects.
4. Supervision of research staff coordination and activities for more than 20 clinical research projects.
5. Participating in drug formulary management; formulates therapeutic policies, hospital guidelines, and protocols and serves as a member of committees where input concerning drug use and drug policy development is required.

Membership in Research groups

1. Environment and Cancer Research- University of Sharjah
2. Improving Health Care Delivery and Medicines Use- University of Sharjah
3. Epidemiology and Biostatistics Unit-University of Sharjah

Supervision Graduation Research Projects

- 2014** *In vitro* Pancreatic lipase inhibitory activity of ethanolic extracts of selected Emirati plants.
Public oral health hygiene awareness and perception in the UAE population.
- 2013** Treatment-Related Problems Identified for Outpatients with Chronic Diseases In United Arab Emirates.
Constituents and antihyperlipidemic activity of the extract prepared from Family Rosaceae
Constituents, Antimicrobial and Burn Healing activities of the extract of plant prepared from Family Lamiaceae.
Xanthine Oxidase Inhibitory Activity of the Ethanolic Extracts of Selected Emirati Medicinal Plants.

- 2012** Hepatoprotective and antioxidant activities of the alcoholic extract of UAE Desert Plant against CCl₄-induced liver injury in mice.
Assessment of anti-asthmatic prescription and consumption patterns in UAE hospitals
Undergraduate pharmacy students' perceptions and attitudes in evidence-based medicine (EBM) in Dubai Pharmacy College.
- 2011** Investigation on the Hypoglycaemic Effects of Extracts of Two Emirates-Desert Plants in Normal and Alloxan-diabetic Mice.
Hepatoprotective effect of *Fagonia indica* extract on carbon tetrachloride - induced hepatotoxicity in mice.
Comparative in vitro and in vivo Evaluation of Commercially Available Ciprofloxacin Tablets.
- 2010.** Gastroprotective effect of aqueous extract of *Micromeria fruticosa* in Mice
Analgesic and Anti-inflammatory Properties of *Micromere fruticosa* in Experimental Animals.
- 2009** Attitudes toward Influenza Vaccination among Healthcare Workers in Three GCC Countries.
- 2008.** *In Vivo* Pharmacological Evaluation of Novel Ibuprofen Transdermal Gel Formulations.

3. Academic Accreditation and Administrative Duties

<i>September 2021-present</i>	Chair of Program Evaluation & Educational Quality Assurance & Accreditation Committee-University of Sharjah
<i>September 2017-June 2021</i>	Deputy Chair of Program Evaluation & Educational Quality Assurance & Accreditation Committee-University of Sharjah
<i>September 2018-present</i>	Member of Study Plans and Curricula Committee-University of Sharjah
<i>April 2013-July 2016</i>	Chief Academic Office at Dubai Pharmacy College

The Chief Academic Officer (CAO) reports directly to the Dean and is the key individual responsible for developing and implementing both near-term and long-term plans for the education department.

The CAO is part of the Management Team, but has close day-to-day interaction with and reporting responsibility to the Dean

The Chief Academic Officer's duties and functions are as the following:

1. Develop and implement educational activities both strategic and operational, including metrics to track and evaluate progress.
2. Ensure college compliance with Ministry of Higher Education, accreditation, regulations and policies, including coordinating the educational activities in the Institutional Effectiveness Unit (IEU).
3. Ensure the alignment of the curriculum with the student intending learning outcomes (SLO) through the building of the Program SLO Alignment Matrix.
4. Research and identify trends and needs and establish program directions accordingly.
5. Assess quality of program operations. Modify existing program services.
6. Provides for quality assurance reviews and addresses areas in need of attention.
7. Monitor attrition analysis and assists with college issues relating to retention.
8. Coordinate strategies with college leadership staff to achieve desired organizational results in areas of students/Faculties satisfaction, student retention, graduation rates and satisfactory student progress
9. Assist in developing and managing the educational budget
10. Facilitate creative changes in educational programming, processes, and procedures

Evaluator for ACPE's International Services Program (July 2015-Present)

The Accreditation Council for Pharmacy Education (ACPE) established its International Services Program (ISP) in 2011. My responsibility is doing on-site evaluations and/or other forms of international work with ACPE. I am also serving as a member of many External Reviewer Teams (ERT) with the Commission for Academic Accreditation-UAE on several on-site visits.

Nov 2022

External Team Review member-Commission for Academic Accreditation (CAA)-UAE. Review for the MD program's reaccreditation at RAKMHS

September 2022

Team member of virtual Visit for Accreditation Council for Pharmacy Education (ACPE)-ISP- of Ibn Sina National

	College for Medical Studies (ISNCMS), Jeddah, Kingdom of Saudi Arabia
<i>June 2021</i>	External Team Review member-Commission for Academic Accreditation (CAA)-UAE. Review the Substantive Change application Submitted by Abu Dhabi University
<i>March 2021</i>	External Team Review member-Commission for Academic Accreditation-UAE. Audit visit at City University College in Ajman
<i>March 2020</i>	Team member of Focused On-site Visit for Accreditation Council for Pharmacy Education (ACPE)-ISP
<i>February 2018</i>	Team member of the On-site evaluation for Accreditation Council for Pharmacy Education (ACPE)-International Service Program

Head of Professional Practice Experience Unit (Nov. 2008-April 2013)

Professional Practice Experience is an integral part of the education program for pharmacy students. It has been given more emphasis to improve its implementation in the curriculum.

The main duties were to ensure that the students are getting the intended learning outcomes and adequate experience in various pharmacy practice settings, such as community, hospital pharmacies and pharmaceutical industries, and to optimize the student's professionalism and attitude in various training setting

Participation in Committee Duties

College of Medicine-University of Sharjah

1. Member in various units and committees:
 - College Council (College Committee)
 - Medical Education Unit (University Committee)
 - Curriculum Committee (College Committee)
 - Student Assessment committee (College Committee)
 - Student Affair Committee (College Committee)
 - Faculty selection and contract renewal committee (University Committee)

- Accreditation Council Committee (University Committee)
- Study plan and curriculum committee (University Committee)

Dubai Pharmacy College:

Head of BPharm and MPharm Accreditation committee

Member in Curriculum development committees and Program Review and Assessment Committees

External Examiner

External examiner in various graduated programs including MPharm-Clinical Pharmacy, Master in Toxicology and master's in Molecular Medicine and Translational Research.

Reviewers and Editorial Duties

- Associate Editor of *Frontiers in Pharmacology Journal* (Q1, IF:4.4)
- Member at the Editorial Board of *Frontiers in Pharmacology and Oncology*
- Member at the Editorial Board of "*Journal of Pharmacology and Pharmaceutical Research*"
- Reviewer at *Hamdan Medical Journal*. Published by: Sheikh Hamdan Award for Medical Sciences (SHAMS), Dubai, UAE
- Reviewer at *Innovation Arabia 12 Conference*, organized by Hamdan Bin Muhammed Smart University (HBMSU), Dubai 25-27 February 2019.
- Have been invited to review many papers for the following international journals:
BioMed Research International, Pakistan Journal of Pharmaceutical Sciences (Panel of Foreign Referee), *Pharmacy Practice, Jordan Journal of Pharmaceutical Sciences, Scientific Research and Essays, Journal of Ethnopharmacology and Pharmacological Research*

Publications

Basheti I, Salameh L, Mahboub B, Sakarneh MA, Saddik B, Al- Ani M, Al-Hajjaj M, **Abu-Gharbieh E**. A specialized training program on inhaler technique delivered by pharmacists to nurses: a study from the United Arab Emirates. *Pharm Pract (Granada)* [Internet]. 2022 Sep. 23 [cited 2022 Oct. 5];20(3):01-9.

Alnuaimi AR, Nair VA, Malhab LJB, **Abu-Gharbieh E**, Ranade AV, Pintus G, Hamad M, Busch H, Kirfel J, Hamoudi R, Abdel-Rahman WM. Emerging role of caldesmon in cancer: A potential biomarker for colorectal cancer and other cancers. *World J Gastrointest Oncol.* 2022 Sep 15;14(9):1637-1653

Abbasi-Kangevari M, Saeedi Moghaddam S, Ghamari SH, Azangou-Khyavy M, Malekpour MR, Rezaei N, Rezaei N, Kolahi AA; GBD 2019 NAME Prostate Cancer Collaborators, Amini E, Mokdad AH, Jamshidi H, Naghavi M, Larijani B, Farzadfar F. The burden of prostate cancer in North Africa and Middle East, 1990-2019: Findings from the global burden of disease study. *Front Oncol.* 2022 Sep 13;12:961086.

Kamal Sweidan, Hussein Elfadel, Dima A Sabbah, Sanaa K Bardaweel, Rima Hajjo, Shabana Anjum, Jithna Sinoj, Vidhya A Nair, **Eman Abu-Gharbieh**, Waseem El-Huneidi Novel Derivatives of 4, 6-Dihydroxy-2-Quinolone-3-Carboxamides as Potential PI3K α Inhibitors. *ChemistrySelect* 7 (32), e202202263

Khalique, A.; Mohammed, A.K.; Al-khadran, N.M.; Gharaibeh, M.A.; **Abu-Gharbieh, E.**; El-Huneidi, W.; Sulaiman, N.; Taneera, J. Reduced Retinoic Acid Receptor Beta (Rar β) Affects Pancreatic β -Cell Physiology. *Biology* **2022**, *11*, 1072.

Samorinha, C., Saidawi, W., Saddik, B., Abduelkarem, A. R., Alzoubi, K. H., **Abu-Gharbieh, E.**, & Alzubaidi, H. (2022). How is mental health care provided through community pharmacies? A quest for improvement. *Pharmacy practice*, *20*(2), 2648.

GBD 2019 Tuberculosis Collaborators (2022). Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990-2019: results from the Global Burden of Disease Study 2019. *The Lancet. Infectious diseases*, *22*(2), 222–241.

GBD 2019 LRI Collaborators. Age-sex differences in the global burden of lower respiratory infections and risk factors, 1990-2019: results from the Global Burden of Disease Study 2019 [published online ahead of print, 2022 Aug 11]. *Lancet Infect Dis.* 2022;S1473-3099(22)00510-2.

GBD 2020 Alcohol Collaborators. Population-level risks of alcohol consumption by amount, geography, age, sex, and year: a systematic analysis for the Global Burden of Disease Study 2020 [published correction appears in *Lancet.* 2022 Jul 30;400(10349):358]. *Lancet.*

GBD 2019 Cancer Risk Factors Collaborators. The global burden of cancer attributable to risk factors, 2010-19: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet.* 2022;400(10352):563-591.

GBD 2019 Colorectal Cancer Collaborators. Global, regional, and national burden of colorectal cancer and its risk factors, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Gastroenterol Hepatol.* 2022 Apr 7:S2468-1253(22)00044-9

Alzubaidi H, Hafidh K, Saidawi W, Othman AM, Khakpour MM, Zoghbor MM, **Abu-Gharbieh E**, Alzoubi KH, Shaw JE. Behavioral, psychological, and clinical outcomes of Arabic-speaking people with type 2 diabetes during COVID-19 pandemic. *Prim Care Diabetes.* 2022 Apr 8:S1751-9918(22)00076-6

El-Huneidi W, Anjum S, Saleh MA, Bustanji Y, **Abu-Gharbieh E**, Taneera J. Carnosic Acid Protects INS-1 β -Cells against Streptozotocin-Induced Damage by Inhibiting Apoptosis and Improving Insulin Secretion and Glucose Uptake. *Molecules.* 2022 Mar 24;27(7):2102

Shehab, N. G., **Abu-Gharbieh, E.**, & M Almasri, I. (2022). Chemical composition, docking simulations and burn wound healing effect of *Micromeria fruticosa* extract and its isolated flavonoidal compound. *Pakistan journal of pharmaceutical sciences*, 35(2), 507–517.

Bustanji Y, Barham N, Abu-Rish EY, Alhyari A, Albustanji B, Alnajjar M, Abu-Irmaileh B, El-Huneidi W, **Abu-Gharbieh E**, Mohammad M, Fararjeh M, Issa A, Semreen M, Bajes H. Clinical investigation of lipoprotein (a) levels in type 2 diabetics for cardiovascular diseases prediction and prognosis. *Horm Mol Biol Clin Investig.* 2022 Apr 15.

GBD 2019 Diabetes Mortality Collaborators. Diabetes mortality and trends before 25 years of age: an analysis of the Global Burden of Disease Study 2019. *Lancet Diabetes Endocrinol.* 2022 Mar;10(3):177-192.

GBD 2019 Dementia Forecasting Collaborators. Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: an analysis for the Global Burden of Disease Study 2019. *Lancet Public Health.* 2022 Feb;7(2):e105-e125.

GBD 2019 Adolescent Young Adult Cancer Collaborators. The global burden of adolescent and young adult cancer in 2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Oncol.* 2022 Jan;23(1):27-52.

Talaat, I.M., **Abu-Gharbieh, E.**, Hussein, A., ...Eladl, M., El-Huneidi, W. Prognostic Value of Copine 1 in Patients with Renal Cell Carcinoma. *Anticancer Research*, 2022, 42(1), pp. 355–362

Barqawi, H., Saddik, B., Adra, S., Soudan, H., Mustafa, J., Nidal, A., & **Abu-Gharbieh, E.** (2021). Evaluating the knowledge, attitudes, and uptake of the influenza vaccine in healthcare professionals: A cross-sectional study from the United Arab Emirates. *Pharmacy practice*, 19(4), 2587.

Basheti IA, Mhaidat NM, Al-Azzam S, Alqudah R, Nassar R, Alzubaidi H, Abu-Samak MS, **Abu-Gharbieh E**. Knowledge and perceptions of pharmacists' readiness during coronavirus pandemic: the case of United Arab Emirates. *J Pharm Policy Pract.* 2021 Dec 2;14(1):102.

Alzubaidi H, Samorinha C, Saddik B, Saidawi W, Abduelkarem AR, **Abu-Gharbieh E**, Sherman SM A mixed-methods study to assess COVID-19 vaccination acceptability among university students in the United Arab Emirates. *Hum Vaccin Immunother.* 2021 Sep 17:1-9

Safiri, S., Kolahi, A. A., Naghavi, M., & Global Burden of Disease Bladder Cancer Collaborators (2021). Global, regional and national burden of bladder cancer and its attributable risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease study 2019. *BMJ global health*, 6(11), e004128.

GBD 2019 HIV Collaborators (2021). Global, regional, and national sex-specific burden and control of the HIV epidemic, 1990-2019, for 204 countries and territories: the Global Burden of Diseases Study 2019. *The lancet. HIV*, 8(10), e633–e651.

GBD 2019 Adolescent Mortality Collaborators (2021). Global, regional, and national mortality among young people aged 10-24 years, 1950-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet (London, England)*, 398(10311), 1593–1618.

Damaris Kinyoki, Aaron E. Osgood-Zimmerman, Natalia V. Bhattacharjee, Local Burden of Disease Anaemia Collaborators, Nicholas J. Kassebaum & Simon I. Hay. Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. *Nature Medicine*, 2021, 27: 1761–1782.

GBD 2019 Fracture Collaborators (2021). Global, regional, and national burden of bone fractures in 204 countries and territories, 1990-2019: a systematic analysis from the Global Burden of Disease Study 2019. *The Lancet. Healthy longevity*, 2(9), e580–e592.

El-Huneidi, W., Anjum, S., Bajbouj, K., Abu-Gharbieh, E., Taneera, J. The coffee diterpene, kahweol, ameliorates pancreatic β -cell function in streptozotocin (Stz)-treated rat ins-1 cells through nf-kb and p-akt/bcl-2 pathways. *Molecules*, 2021, 26(17), 5167

GBD 2017 EMR Transport Injuries Collaborators. Burden of Transport-Related Injuries in the Eastern Mediterranean Region: A Systematic Analysis for the Global Burden of Disease Study 2017. *Arch Iran Med.* 2021 Jul 1;24(7):512-525.

Basheti I, Mahboub B, Salameh L, Al-Ani M, Jairoun AA, Saddik B, **Abu-Gharbieh E**. Assessment of Novel Inhaler Technique Reminder Labels in Image Format on the Correct Demonstration of

Inhaler Technique Skills in Asthma: A Single-Blinded Randomized Controlled Trial. *Pharmaceuticals* (Basel). 2021 Feb 12;14(2):150.

Local Burden of Disease Exclusive Breastfeeding Collaborators. Mapping inequalities in exclusive breastfeeding in low- and middle-income countries, 2000-2018. *Nat Hum Behav.* 2021 Aug;5(8):1027-1045. doi: 10.1038/s41562-021-01108-6. Epub 2021 Jun 3.

GBD 2019 Hearing Loss Collaborators. Hearing loss prevalence and years lived with disability, 1990-2019: findings from the Global Burden of Disease Study 2019. *Lancet.* 2021 Mar 13;397(10278):996-1009. doi: 10.1016/S0140-6736(21)00516-X.

Local Burden of Disease HIV Collaborators. Mapping subnational HIV mortality in six Latin American countries with incomplete vital registration systems. *BMC Medicine*, 2021, 19(1), 4.

Local Burden of Disease HIV Collaborators. Subnational mapping of HIV incidence and mortality among individuals aged 15-49 years in sub-Saharan Africa, 2000-18: a modelling study. *Lancet HIV.* 2021 Jun;8(6):e363-e375.

GBD 2019 Respiratory Tract Cancers Collaborators. Global, regional, and national burden of respiratory tract cancers and associated risk factors from 1990 to 2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Respir Med.* 2021 Sep;9(9):1030-1049. doi: 10.1016/S2213-2600(21)00164-8. Epub 2021 Aug 16.

GBD 2019 Under-5 Mortality Collaborators. Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. *Lancet.* 2021 Sep 4;398(10303):870-905.

GBD 2019 Dementia Collaborators. Use of multidimensional item response theory methods for dementia prevalence prediction: an example using the Health and Retirement Survey and the Aging, Demographics, and Memory Study. *BMC Medical Informatics and Decision Making* , 2021, 21 (1)

GBD 2019 Demographics Collaborators. Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. *The Lancet.* 2020. 396 (10258): 1160 - 120317

Barqawi HJ, Kampani DD, Haddad ES, Al-Roub NM, **Abu-Gharbieh E.** Readiness of physicians and medical students to cope with the COVID-19 pandemic in the UAE. *PLoS One.* 2021 May 6;16(5):e0251270

El-Huneidi W, Bajbouj K, Muhammad JS, Vinod A, Shafarin J, Khoder G, Saleh MA, Taneera J, **Abu-Gharbieh E**. Carnosic Acid Induces Apoptosis and Inhibits Akt/mTOR Signaling in Human Gastric Cancer Cell Lines. *Pharmaceuticals (Basel)*. 2021 Mar. 8;14(3):230

Roth G. A., GBD-NHLBI-JACC Global Burden of Cardiovascular Diseases Writing Group, Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update From the GBD 2019 Study. *J Am Coll Cardiol*. 2020 Dec 22;76(25):2982-3021.

GBD 2019 Blindness and Vision Impairment Collaborators; Vision Loss Expert Group of the Global Burden of Disease Study Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis for the Global Burden of Disease Study. *The Lancet Global Health*, Volume 9, Issue 2, e130 - e143

GBD 2019 Blindness and Vision Impairment Collaborators. Causes of blindness and vision impairment in 2020 and trends over 30 years, and prevalence of avoidable blindness in relation to VISION 2020: the Right to Sight: an analysis for the Global Burden of Disease Study. *The Lancet Global Health*, Volume 9, Issue 2, e144 - e160

GBD 2019 Viewpoint Collaborators. Five insights from the Global Burden of Disease Study 2019. *The Lancet*, 2020, 396(10258), pp. 1135–1159

GBD 2019 Demographics Collaborators. Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. *The Lancet*, 2020, 396(10258), pp. 1160–1203

El-Huneidi W, Shehab NS, Bajbouj K, Vinod A, El-Serafi A, Shafarin J, Bou Malhab L, Abdel-Rahman WM, **Abu-Gharbieh E**. *Micromeria fruticosa* Induces Cell Cycle Arrest and Apoptosis in Breast and Colorectal Cancer Cells. *Pharmaceuticals (Basel)*. 2020 Jun 3;13(6):E115. doi: 10.3390/ph13060115.

Abdul Rasool BK., Khalifa AZ, **Abu-Gharbieh E**, and Khan R. Employment of Alginate Floating In Situ Gel for Controlled Delivery of Celecoxib: Solubilization and Formulation Studies. *Biomed Research International*. 2020, 2020:1879125.

Saber-Ayad M, Saleh MA, **Abu-Gharbieh E**. The Rationale for Potential Pharmacotherapy of COVID-19. *Pharmaceuticals (Basel)*. 2020;13(5):E96.

GBD 2017 Oesophageal Cancer Collaborators. The global, regional, and national burden of oesophageal cancer and its attributable risk factors in 195 countries and territories, 1990–2017: a

systematic analysis for the Global Burden of Disease Study 2017. *Lancet Gastroenterol Hepatol.* 2020 Apr 1. pii: S2468-1253(20)30007-8.

Al alawneh M, Nuaimi N, **Abu-Gharbieh E**, Basheti IA. A randomized control trial assessing the effect of a pharmaceutical care service on Syrian refugees' quality of life and anxiety. *Pharm Pract.* 2020; 18(1):1744.

ElKhazendar M, Chalak J, El-Huneidi W, Vinod A, Abdel-Rahman W, **Abu-Gharbieh E**. Antiproliferative and proapoptotic activity of ferulic acid in breast and liver cancer cell lines. *Tropical Journal of Pharmaceutical Research.* 2019; 18 (12): 2571-2576.

Abu-Gharbieh E., Saddik B., El-Faramawi M, Hamidi S., and Basheti M. Oral Health Knowledge and Behavior among Adults in the United Arab Emirates. *BioMed Research International.* Volume 2019, Article ID 7568679, 7 pages.

Abu-Gharbieh E, Shehab NG, Almasri IM, Bustanji Y. Antihyperuricemic and xanthine oxidase inhibitory activities of *Tribulus arabicus* and its isolated compound, ursolic acid: *In vitro* and *in vivo* investigation and docking simulations. *PLoS One.* 2018 Aug 16;13(8):e0202572. doi: 10.1371/journal.pone.0202572. eCollection 2018.

Abu-Gharbieh E., Salam S., Khan SA. "Impact of Qualifications Framework United Arab Emirates: A case study of Dubai Pharmacy College undergraduate curriculum". *Tropical Journal of Pharmaceutical Research.* 2018; 17 (4): 701-707.

- Basheti IA, **Abu-Gharbieh E**. "Revealing treatment-related problems for outpatients with alarming health status in the United Arab Emirates". *Journal of Pharmaceutical Health Services Research.* 2017; 8 (3), 193-199
- **Abu-Gharbieh E**, Shehab NG. "Therapeutic potentials of *Crataegus azarolus* var. *eu-azarolus* Maire leaves and its isolated compounds". *BMC Complement Altern Med.* 2017 Apr 18;17(1):218.
- **Abu-Gharbieh E.** and Gamil N. "Bioactive content, hepatoprotective and antioxidant activities of whole plant extract of *Micromeria fruticosa* (L) Druce ssp *Serpyllifolia* F Lamiaceae against Carbon tetrachloride-induced hepatotoxicity in mice". *Tropical Journal of Pharmaceutical Research,* 2016; 15 (10): 2099-2106.
- Fahmy. S, **Abu-Gharbieh E** and Hamidi S. "Patterns of prescribing and utilization of asthma medications in a tertiary hospital in Dubai, United Arab Emirates". *Tropical Journal of Pharmaceutical Research,* 2016; 15 (5): 1061-1068.

- Abdul Rasool B., Aziz US, **Abu-Gharbieh E.** Khan S. "Development and evaluation of sustained oral ketorolac tromethamine particulate matrix via bioadhesive chitosan-based freeze-dried solid dispersions". *Curr Drug Deliv.* 2016;13(2):275-86.
- Abduelkarem AR, **Abu-Gharbieh E.** "Upper respiratory tract infections in UAE Prescription of antimicrobials and physician's behavior- A case study". *Adv. Biomed. Pharma.* 2 (6), 260-266
- Shehab N., **Abu-Gharbieh E.** and Bayoumi, F.A. "Impact of phenolic composition on hepatoprotective and antioxidant effects of four desert medicinal plants" *BMC Complementary and Alternative Medicine*, 2015 9;15:401
- Sarheed O., Rasool BA., **Abu-Gharbieh E.** and Aziz US. "An investigation and characterization on alginate hydrogel dressing loaded with metronidazole prepared by combined inotropic gelation and freeze-thawing cycles for controlled release" *AAPS PharmSciTech.* 2015 Jun; 16(3): 601–609.
- **Abu-Gharbieh E.**, Al Khalidi D., Baig M.R., Khan SA. "Refining Knowledge, Attitude and Practice of Evidence-Based Medicine (EBM) among Pharmacy Students for Professional Challenges" *Saudi Pharmaceutical Journal*, 2014; 23 (2): 162–166.
- Shehab NG, **Abu-Gharbieh E.** "Phenolic profiling and evaluation of contraceptive effect of the ethanolic extract of *Salsola imbricata* Forssk. in male albino rats". *Evidence-Based complementary and alternative Medicine.* 2014; 2014:695291. Epub 2014 Dec 21.
- **Abu-Gharbieh E.**, Bayoumi FA, and Ahmed NG. "Alleviation of Antioxidant Defense System by Ozonized Olive Oil in DNBS-Induced Colitis in Rats" *Mediators of Inflammation.* 2014, vol. 2014, 6 pages.
- Fahmy S. and **Abu-Gharbieh E.** "*In vitro* Dissolution and *in vivo* Bioavailability of Six Brands of Ciprofloxacin tablets administered in Rabbits and Its Pharmacokinetic Modeling". *Biomed Research International* 2014, 2014:590848, 8 pages.
- Basheti I.; Qunaibi E.; Hamadi S.; **Abu-Gharbieh E.**; Saleh S.; AbuRuz S.; Mohamed, M.; Bulatova N. "Patient perspectives of the pharmacist role and willingness to pay for Medication Management Review services in the Middle East: Jordan, United Arab Emirates and Iraq". *Pharmacology and Pharmacy* 2014; 5(6): 588-599.
- **Abu-Gharbieh E.**, Gamil N. and Khan S. "Anti-inflammatory and gastroprotective activities of the aqueous extract of *Micromeria fruticosa* (L) druce ssp *serpyllifolia* in mice. *Pakistan Journal of Pharmaceutical Science* 2013; 26 (4): 799-803.

- Qunaibi E, Basheti IA, Hamadi SA, Bulatova NR, Shanah A, **Abu-Gharbieh E.** Effect of Divergence in Patients' Socioeconomic Background on their Perspective of the Role of the Community Pharmacist in Amman, Jordan, *Tropical Journal of Pharmaceutical Research*, 2013; 12(2):247-253.
- **Abu-Gharbieh E.** and Fahmy S., Adherence to surgical site infection guidelines in cardiac surgery in a tertiary hospital in Dubai, United Arab Emirates. *Tropical Journal of Pharmaceutical Research*, 2012; 11 (4): 657-664.
- Gamil N. and **Abu-Gharbieh E.**, Constituents and biological activity of the essential oil and aqueous extract of *Micromeria fruticosa* L druce. *Pakistan Journal of Pharmaceutical Sciences*, 2012; 25(3): 687-692.
- Issa A., Tarawneh R., **Abu-Gharbieh E.**, Najjar S., Salah R., Aeidah K., Bustanji Y. and Mohammad M. In vivo acute toxicity study of Thyme – Primulae syrup. *Jordan Journal of Pharmaceutical Science*, 2011; 4 (3): 166-172.
- **Abu-Gharbieh E.**, Fahmy S., Abdul Rasool B., Basheti I., Mohammad M. and Bustanji Y. Prevalence of Aspirin Use and Its Concurrent Use with Ibuprofen among Two Middle Eastern Countries; Jordan and the UAE - A Cross Sectional Study. *Jordan Journal of Pharmaceutical Science*. 2011; 4 (3): 155-165.
- **Abu-Gharbieh E.**, Fahmy S., Abdul Rasool B and Khan S. Influenza Vaccination: Healthcare Workers Attitude in Three Middle East Countries. *International Journal of Medical Sciences* 2010; 7(5):319-25.
- **Abu-Gharbieh E.**, Bustanji Y and Mohammad M. In vitro Effects of *Micromeria fruticosa* on Human Leukocyte Myeloperoxidase Activity. *Journal of Pharmacy Research*. 2010; 3 (10): 2492-2493
- **Abu-Gharbieh E.**, Abdul Rasool B., Fahmy S., Abduelkarem AM and Basheti I. Attitudes and Perception of Healthcare providers and Medical Students towards the Clinical Pharmacy Services in UAE. *Tropical Journal of Pharmaceutical Research*. 2010; 9 (5): 421-430
- Mohammad M., Almasri I., Tawaha K., Issa A., Al-Nadaf A., Hudaib M., AlKhatib H., **Abu-Gharbieh E.** and Bustanji Y. Antioxidant, Antihyperuricemic and Xanthine Oxidase Inhibitory Activities of *Hyoscyamus reticulatus*. *Pharmaceutical Biology*. 2010 Dec; 48(12):1376-83. Epub 2010 Aug 25.

- Abdul Rasool B., **Abu-Gharbieh E.**, Fahmy S. and Ali HA. "Development and evaluation of ibuprofen transdermal gel formulations". *Tropical Journal of Pharmaceutical Research*. 2010; 9 (4): 355-363
- Abdul Rasool B., **Abu-Gharbieh E.**, Al-Mahdy J., Nessa F. and Ramzi H. Preparation and Characterization of Aspirin-Chitosan Complex: An Attempt for Its Solubility and Stability Improvement. *Journal of Pharmacy Research*. 2010; 3(6):1349-1354
- Abdul Rasool B., Fahmy S., **Abu-Gharbieh E.**, Saad H. Professional Practices and Perception towards Rational Use of Medicines According to WHO Methodology in United Arab Emirates. *Pharmacy Practice* 2010 Jan-Mar; 8(1):70-76.
- Abdul Rasool B., **Abu-Gharbieh E.**, Awni R. In Vitro Release Study of Nystatin from Chitosan Buccal Gel. *Jordan Journal of Pharmaceutical Sciences*. 2010 Jan; 3(1): 64-75
- Wazaify M, Al-Bsoul-Younes A, **Abu-Gharbieh E.**, Tahaineh L. Societal perspectives on the role of community pharmacists and over-the-counter drugs in Jordan. *Pharmacy World and Science*. 2008 Dec; 30(6):884-91.
- Vasina V, **Abu-Gharbieh E.**, Barbara G, De Giorgio R, Corinaldesi R, De Ponti F. The β -3adrenoceptor Agonist SR58611a Ameliorates Experimental Colitis in Rats. *Neurogastroenterology and Motility*. 2008 Sep; 20(9):1030-41. Epub 2008 May 15.
- **E. Abu-Gharbieh**, V.Vasina, E. Poluzzi , F. De Ponti. Antibacterial macrolides: a drug class with a complex pharmacological profile. *Pharmacological research*, 2004, vol. 50, no3, pp. 211-222

Abstracts in Peer-reviewed Journals

- Ethanollic Extract of *Calotropis procera* Exhibits Antitumor Effects on Human Breast and Colon Cancer Cells via Cell Cycle Arrest. Experimental Biology 2022 conference Meeting Abstracts.
- Abu-Gharbieh, E., Mahboub, B., Salameh, L., Al-Ani, M., Jairoun, A., Saddik, B. and Basheti, I. (2021), Novel inhaler technique reminder labels for asthmatic patients: a single-blinded randomized controlled trial. *The FASEB Journal*, 35:.
- Anti-tumor activity of the ethanollic extract of *Micromeria fruticosa* on human breast and colon cancer cells. 2020, Volume34, IssueS1, Supplement: Experimental Biology 2020 Meeting Abstracts.

- Antihyperuricemic and xanthine oxidase inhibitory activities of the ethanolic extract of *Tribulus arabicus* and its fractions, *The FASEB Journal*, 2017, 31: 1 Supplement 1068.6
- *Micromeria fruticosa* (L.) Druce ssp *Serpyllifolia*: Constituents, Antimicrobial and Evaluation of Burn Healing Activity of the Extract and its Isolated Active Constituents in Topical Formulation, Conference: 6th International Conference and Exhibition on Traditional & Alternative Medicine, Amsterdam, Netherlands, Volume: 2016, 5:2 (Suppl)
- Formulation and Optimization of Solid Dispersion as a Sustained Release Matrix for Oral Ketorolac Tromethamine, *The FASEB Journal*, 2013, 27:1b592
- Protection from DNBS-induced colitis by ozonized olive oil in rats. *The FASEB Journal*, 2013 27:1b539
- Patients' Perspective of the Role of Community Pharmacists in Amman, Jordan. *Research in Social and Administrative Pharmacy*, 2012 8(6): e22–e23
- Guideline Adherence for Antithrombotic Therapy in Acute Coronary Syndrome: An Overview in Emirati Hospitals. *Journal of Critical Care*, 2012; 27(5): e15

Poster Presentation in Conferences

- Ethanolic Extract of *Calotropis procera* Exhibits Antitumor Effects on Human Breast and Colon Cancer Cells via Cell Cycle Arrest. Experimental Biology 2022 conference Meeting Abstracts.
- Novel inhaler technique reminder labels for asthmatic patients: a single-blinded randomized controlled trial. Experimental Biology 2021 conference Meeting Abstracts.
- "Revealing treatment related problems for outpatient with chronic diseases in United Arab Emirates" presented at the 4th International Conference and the 2nd Conference of the Association of Faculties of Pharmacy at Jordanian Universities, 25-27 October 2016
- Course Report: Multidimensional imaging in capturing the quality of offered courses. Professional Poster in Medical Education Symposium, Dubai, 30 May 2015
- *In Vitro* Pancreatic lipase inhibitory activity of ethanolic extracts of selected Emirati plants. Student Poster in Dubai international Pharmaceutical and Technologies Conference (DUPHAT 2015), Dubai, 8-10 March 2015, proceeding page 239.
- Public oral health hygiene awareness and perception in UAE population. Student Poster in Dubai international Pharmaceutical and Technologies Conference (DUPHAT 2015), Dubai, 8-10 March 2015, proceeding page 239.

- Treatment Related Problems Identified for Outpatients with Chronic Diseases In United Arab Emirates. Student Poster in Dubai international Pharmaceutical and Technologies Conference (DUPHAT 2014), Dubai, 10-12 March 2014, proceeding page 205.
- Constituents and antihyperlipidemic activity of the extract prepared from family Rosaceae. (DUPHAT 2014), Dubai, 10-12 March 2014, proceeding page 216.
- Constituents, Antimicrobial and Burn Healing activities of the extract of plant prepared from Family Lamiaceae. (DUPHAT 2014), Dubai, 10-12 March 2014, proceeding page 199.
- Xanthine Oxidase Inhibitory Activity of the Ethanolic Extracts of Selected Emirati Medicinal Plants. (DUPHAT 2014), Dubai, 10-12 March 2014, proceeding page 199.
- Guideline adherence for antithrombotic therapy in acute coronary syndrome: an overview in Emirati hospitals. 8th Emirates Critical Care Conference - Dubai 2012 (ECCC - Dubai 2012), 5th – 7th April 2012
- Investigation on the Hypoglycaemic Effects of Extracts of Two Emirates Desert Plants in Normal and Alloxan-diabetic Mice. Student Poster in Dubai international Pharmaceutical and Technologies Conference (DUPHAT 2012), Dubai, 12-14 March 2012, proceeding page 156.
- Hepatoprotective effect of *Fagonia indica* extract on carbon tetrachloride induced hepatotoxicity in mice. Student Poster in Dubai international Pharmaceutical and Technologies Conference (DUPHAT 2012), Dubai, 12-14 March 2012, proceeding page 156.
- Constituents and biological activity of the essential oil and aqueous extract of *Micromeria fruticosa* L Druce. *M. serpyllifolia*. Professional Poster in Dubai international Pharmaceutical and Technologies Conference (DUPHAT 2012), Dubai, 12-14 March 2012, proceeding page 136.
- Gastric antiulcer and anti-inflammatory activities of the aqueous extract of *Micromeria fruticosa*. Accepted in the 14th Annual Congress of the Association of Colleges of Pharmacy in the Arab World on 7-9 February 2012 in Ajman, UAE
- Constituents, antimicrobial and antitumor activities of the essential oil isolated from Zaater Balat (*Micromeria fruticosa*). Biomedical Research Day, held at the Faculty of Medicine & Health Sciences, UAE University on 10 May 2011

- Adherence to international guidelines in cardiac surgery antibacterial prophylaxis. Abstract and Poster in 4th Medication Safety Conference, Abu-Dhabi, 29 April-1st May 2011.
- In vivo acute toxicity study of Thyme – Primulae syrup. Abstract and Professional Poster in DUPHAT (DUPHAT 2011), Dubai, 22-24 March 2011
- Bioavailability and pharmacokinetic of some commercially available ciprofloxacin formulations after oral administration in rabbits. Abstract and Poster in DUPHAT (DUPHAT 2011), Dubai, 22-24 March 2011
- White Micromeria: A Possible Antiulcer Drug. Abstract and Poster in DUPHAT (DUPHAT 2011), Dubai, 22-24 March 2011
- Analgesic and anti-inflammatory properties of *Micromeria fruticosa* in experimental models. Abstract and Poster in DUPHAT (DUPHAT 2011), Dubai, 22-24 March 2011
- Social perception of community pharmacist in UAE, cross sectional study. Abstract and Poster in DUPHAT (DUPHAT 2010), Dubai, 15-17 March 2010 and in 3rd Medication safety conference, Abu-Dhabi, 10-11 April 2010.
- Adherence to international guidelines in cardiac surgery antibacterial prophylaxis. Abstract and Poster in DUPHAT (DUPHAT 2010), Dubai, 15-17 March 2009.
- Let's Open More Doors for Clinical Pharmacist in UAE. Abstract and Poster in DUPHAT (DUPHAT 2009), Dubai, 29-31 March 2009, proceeding page 136
- Consumption of Aspirin within the UAE Population. Abstract and Poster in DUPHAT (DUPHAT 2009), Dubai, 29-31 March 2009, proceeding page 136
- A survey of the general public's view of the professional role of the community pharmacist, over the counter (OTC) drugs and the community based pharmaceutical services. Abstract in the 1st Kuwait Pharmaceutical Sciences Conference & 10th Conference of Scientific Association of Colleges of Pharmacy in the Arab World, Kuwait 11 – 13 December 2006.
- β 3-adrenoceptor stimulation ameliorates experimental colitis in rats. (Abstract presented at Digestive disease week to American Gastroenterology Association- Gastroenterology 2003; 124 (4) Supp 1: A-347, Orlando, Florida, May 17-22, 2003).
- The β -3adrenoceptor Agonist SR58611a Ameliorates Experimental Colitis in Rats (Abstract presented at the XXXI national congress of Italian pharmacology society, Trieste, 26-29 June 2003, proceeding page 143)
- The β 3-adrenoceptor Agonist SR58611A Ameliorates Experimental Colitis in Rats (Abstract presented at Italian pharmacology society, VII national seminar for the PhD

students of pharmacology and related sciences, Siena, 27-30 September 2003, proceeding page 199)

Participation in National and International Conferences

- **Speaker**, 3rd Hybrid International Scientific Conference of Pharmacology and Toxicology Department-Mansoura university conference. 4-5 October 2021.
- "Turning the Tide on HPV and Cervical Cancer", Sharjah, United Arab Emirates, 31 January 2019.
- **Speaker**, JUMP-Pharmacist Academy, Julphar Updates on Modern Pharmacy, Al-Ain, April 5th, 2017
- **Speaker**, JUMP-Pharmacist Academy, Julphar Updates on Modern Pharmacy, Dubai, November 17th, 2017.
- 4th Emirati-German Congress in Medicine, University of Sharjah, Sharjah, United Arab Emirates, 6-9 November 2017
- **Speaker** at Cardiovascular- Pharmacist Summit, Dubai, UAE, January 27th, 2017.
- **Speaker** at AfME H&V Summit, being hosted by *Pfizer*, Dubai- UAE, October 28-29, 2016
- **Speaker** in CV Pharmacist Summit, being hosted by *Pfizer*, Muscat, Oman, February 19-20, 2016.
- **Speaker** in Hemaya 11th International Forum on Drug Issues, being hosted by Dubai Police under the Slogan "Prescription and psychotropic Drugs Abuse, Challenges and Coping Strategy". Paper entitled "Economic impacts caused by the abuse of prescription and psychotic drugs" -9-11 June 2015.
- **Moderator** in Dubai International Pharmaceutical and Technologies Conference (DUPHAT 2014), Dubai, 8-10 March 2015
- Dubai International Pharmaceutical and Technologies Conference (DUPHAT 2015), Dubai, 8-10 March 2015
- 7th Medication safety Conference Abu-Dhabi, 7-9th Nov 2014.
- Dubai International Pharmaceutical and Technologies Conference (DUPHAT 2014), Dubai, 10-12 March 2014
- Dubai International Pharmaceutical and Technologies Conference (DUPHAT 2013), Dubai, 10-12 March 2013.

- **Speaker** in CME Programme on "Quality in Pharmacy Practice" event, held by Ministry of Health, Sharjah Medical District, 14th September 2012. Sharjah, UAE. Accredited by MOH for (6) credit points.
- 2nd Pharmacy Education Forum, held by University of Sharjah, Sharjah. 15th May 2012. Accredited by MOH for (6) credit points.
- **Speaker** in "Continuous Professional Development Program for working and students' pharmacists", held by Dubai Pharmacy College, Dubai. 4th May 2012. Accredited by MOH for (6) credit points
- The 2nd National Pharmacovigilance Conference- Dubai, 21-22 April 2012.
- 8th Emirates Critical Care Conference - Dubai 2012 (ECCC - Dubai 2012) in conjunction with 4th Asia Africa conference of the World Federation of Societies of Intensive and Critical Care Medicine (WFSICCM) and the 8th International Pan Arab Critical Care Medicine Society (IPACCMS), 5th – 7th April 2012.
- Dubai International Pharmaceutical and Technologies Conference (DUPHAT 2012), Dubai, 12-14 March 2012.
- Drug Safety MENA Summit 2012, 27-28 February 2012, Dubai, UAE.
- 14th Annual Congress of the Association of Colleges of Pharmacy in the Arab World on 7-9 February 2012 in Ajman, UAE.
- Dubai Harvard Foundation Conference: "Challenges in Global Healthcare Delivery" conference, January 12, 2012
- DMC Medical Education Symposium 2011. Dubai Medical College, 21st May 2010. Dubai, UAE
- 4th Medication Safety Conference, Abu-Dhabi, 29 April-1st May 2011.
- **Speaker** in "Continuous Professional Development Program for working and students' pharmacists", held by Dubai Pharmacy College, Dubai. 8th April 2011. Accredited by MOH for (6) credit points
- Dubai International Pharmaceuticals and Technologies Conference and Exhibition (DUPHAT 2011). UAE, Dubai, 22-24 March 2011.
- **Speaker** in "Pharmacists' Competency: Opportunities and Updates" event, held by Ministry of Health, Sharjah Medical District, the Drug Control Section in collaboration with Registration and Drug Control Department Abu Dhabi & CPD Team. 6th Jan 2011. Sharjah, UAE. Accredited by MOH for (5) credit points

- 6th Dubai International Conference for Medical Sciences and the Emirates Endocrine Congress 2010, 14th - 16th December 2010. Dubai-UAE
 - DMC Medical Education Symposium 2010. Dubai Medical College, 23rd May 2010. Dubai, UAE
 - Arab conference of patient rights and duties, 15-16 Dec. 2010, Dubai, UAE.
 - Dubai International Pharmaceuticals and Technologies Conference and Exhibition (DUPHAT 2010), Dubai, 15-17 March 20.
 - Regional Conference on Fighting Counterfeit Medicines, 15-16th Dec. 2009, Dubai
 - XXXI National Congress of Italian pharmacology Society (SIF), Trieste-Italy 26-29 June 2003
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Training courses and Workshops Attendance

- 11th Annual Research Forum, held by University of Sharjah, Sharjah. May 16, 2017.
- College of Medicine Research Seminar, held by the College of Medicine, University of Sharjah on March 18, 2017.
- By Laws of the University of Sharjah program, held in University of Sharjah on 30 & 31 of Aug 2016
- Workshop for the Higher Education Sector held at the NQA on Thursday 26 May 2016.
- Assuring the Quality of Academic Programs. Workshop held by Centre for Learning Innovations and Customized Knowledge Solutions (CLICKS), Dubai, 21-22 October 2015
- Workshop on Personal Development and Success System. Held by Dr. Bharath Chandra, at Dubai Pharmacy College from 6-11 June 2015.
- Workshop on Problem Based Learning (PBL). Held by Dr. Mohamed Elhassan A. Elsayed (Associate Professor, Medical Education Department, College of Medicine, University of Sharjah). 17th February 2015.
- Smart learning Best Practice Forum, held by Hamdan Bin Mohammed Smart University, 20th October 2014.
- Lean Six Sigma– Yellow Belt, held by Nassim Abed, Program Realization Officer & Lean, Six Sigma Lead – Middle East, 7th April 2012.
- NIH Training Course "Protecting Human Research Participants", The National institutes of Health (INH) Office of Extramural Research, Certification no. 895687, 27th March 2012.

- Medication Adherence: Are Screening Tools and Models Helpful Predictors? 14th March 2012- Dubai International Pharmaceuticals and Technologies Conference and Exhibition held by Dr. Renée T Juhi, Pharm.D. University of Pittsburgh, PA, USA. (DUPHAT 2012), Dubai, 12-14 March 2012.
- Six-Sigma Skills. 13th March 2012 held by Dr. Abdulmonaem Almaa, R.Ph., B.Sc.. Almana Hospital, Kingdom of Saudi Arabia.
- 3rd Dubai Harvard Foundation for Medical Research workshop, Dubai, 3 November 2011
- LABCO-GERHARDT Workshop "Gerhardt State of Art Technology in Lab Analysis" held by Mr. Armin KuKuck, Gerhardt –Germany.
- Using Data Effectively to Manage Risks with Medications held by Dr. Allen Vaida - ISMP, United States. 3rd Medication safety conference, Abu-Dhabi, 10-11 April 2010.
- Pharmacovigilance and Pharmacoepidemiology. 29th March 2009- Dubai International Pharmaceuticals and Technologies Conference and Exhibition (DUPHAT 2009), Dubai, 29-31 March 2009.
- Appropriate Antidote Use and Requirements for Health Care Facilities held by Dr. Jay L. Schauben, Director, Florida/USVI Poison Information Centre Jacksonville, FL, USA Toxicology and Drug information conference, 22nd Nov. 2008, Abu-Dhabi/UAE
- "From the Hospital to Clinic: The Role of the Clinical Pharmacist in Cardiovascular Risk Reduction", held by Dr. Orly Vardeny- School of Pharmacy, University of Wisconsin/USA- in 11 May 2008/Jordan
- "Genetically modified mouse models to study gene functions" held by Dr. Lino Tessarollo- Head of the Neuronal Development Group and Director of The Gene Targeting facility, National Cancer Institute, Frederick, USA- in the period 21-27 May 2003/Italy
- "Luigi Barbara" Educational Training Workshop In Digestive And Liver Diseases, Bologna, Italy, 26-27 September 2003
- Workshop in Analgesia, Anaesthesia and Welfare in The Laboratory Animals, held by Italian Association for animal laboratory sciences. , Milano-Italy 28 November 2003.

**Training
Capabilities**

Proper use of antibacterial agents

Drug monitoring

Evaluation of drug safety
Evaluation and determination drug overdosing
Drugs of abuse
Toxic manifestation of improper drug using
Communication skills for clinical pharmacist
Proper handling for the experimental animals

Computer Skills

Using Educational software: Desire to Learn, Blackboard, Moodles, and Course Management System.
Using the pharmaceutical software used in drug monitoring, Drug-drug interactions, drug toxicity, etc)
Good in using statistical programs like SPSS and GraphPad Prism
Good in using pharmaceutical and medical software's like Micromidex, Facts and Compression, Lexi comp, Up-to-date.

Languages

Arabic, English, and Italian.

Managerial

Personal drive and initiative

Competencies

Very strong problem solving and critical thinking
Effective report writing skills

Skills and

Ability to synthesize and clearly articulate ideas

Capabilities

Communicate effectively both verbal and written
Work both independently and interactively with others.