



Faculty CV

Akram A. Ashames

Academic Rank

Associate Professor

Qualifications

- 1994: Bachelor of Pharmacy, University of Tripoli (Libya)
- 2003: Specialized Master (Ms) of Pharmaceutical Industry Management, ESC Dijon (France)
- 2011: Master of Science (MSc), Nanobiomaterials separation and characterization, Colorado School of Mines (USA)
- 2015: Doctor of Philosophy (PhD), Nano-biomaterials separation and characterization, Colorado School of Mines (USA)

Research field(s)

- Nanomaterial separation and characterization
- Pharmaceutical counterfeiting
- Method development and validation for pharmaceutical analysis

Publications *(Last five years)*

- Khairi Mustafa Fafelelbom, Abdullah Saleh, Moawia M. A. Al-Tabakha and Akram A. Ashames, Recent applications of quantitative analytical FTIR spectroscopy in pharmaceutical, biomedical, and clinical fields: A brief review, *Reviews in Analytical Chemistry*, Vol: 41, pp.21 - 33, Jan 2022, doi: <https://doi.org/10.1515/revac-2022-0030>
- Badriyah Shadid Alotaibi, Fahad Pervaiz, Manal Buabeid, Akram Ashames, Khairi Mustafa Fafelelbom, Sana Siddique, Hina Shoukat, Sadia Rehman, Sobia Noreen, Ghulam Murtaza. Nanostructured Lipid Carriers Based Suppository for Enhanced Rectal Absorption of Ondansetron: In vitro and In vivo Evaluations. *Arabian Journal of Chemistry*, 14(12) 103426 (2021)
- Ameena Asheq, Akram Ashames, Moawia Al-Tabakha, Nageeb Hassan, Ammar Jairoun. Medication adherence in type 2 diabetes mellitus patients during Covid-19 pandemic: a cross-sectional study from the United Arab Emirates. *F1000Research*, 10, 435 (2021)
- Sobia Noreen, Fahad Pervaiz, Akram Ashames, Manal Buabeid, Khairi Fafelelbom, Hina Shoukat, Irsah Maqbool, Ghulam Murtaza. Optimization of Novel Naproxen-Loaded Chitosan/Carrageenan Nanocarrier-Based Gel for Topical Delivery: Ex Vivo, Histopathological, and In Vivo Evaluation. *Pharmaceuticals*, 14(6), 557 (2021)
- Moawia M. Al-Tabakha, Shujaat Ali Khan, Akram Ashames, Hamid Ullah, Kaleem Ullah, Ghulam Murtaza, Nageeb Hassan. Synthesis, Characterization and Safety Evaluation of Sericin-Based Hydrogels for Controlled Delivery of Acyclovir. *Pharmaceuticals*, 14(3), 234 (2021)

- Wlla Wail Al-Halbouni, Moawia M Altabakha, Akram A Ashames, Adi I Arida, Muaed J Alomar, Osteosarcoma Occurrence in Preclinical and Clinical Experiments with Teriparatide: A Qualitative Review. *Thai Journal of Pharmaceutical Sciences (TJPS)* (2021)
- Subish Palaian, Manal Buabeid, Akram Ashames. Patient Safety Culture in Handling Prescriptions and Interprofessional Collaboration Practices Amongst Community Pharmacists: An Investigative Simulated Patient Study from the United Arab Emirates. *Risk Management and Healthcare Policy*, 13, 3201—3209 (2020)
- Ammar Abdulrahman Jairoun, Sabaa Saleh Al-Hemyari, Moyad Shahwan, Sa'ed H Zyoud, Akram Ashames. Hidden Formaldehyde Content in Cosmeceuticals Containing Preservatives that Release Formaldehyde and Their Compliance Behaviors: Bridging the Gap between Compliance and Local Regulation. *Cosmetics*, 7(4), 93 (2020)
- Richie Bhandare, Vaishali Londhe, Akram Ashames, Nadeem Shaikh, Sham Zain Alabdin. Enhanced Solubility of Microwave-assisted Synthesized Acyclovir Co-crystals. *Research Journal of Pharmacy and Technology*, 13, 12, 5979-5986 (2020)
- Sai HS Boddu, Diwakar B Tukaramrao, Moawia M Al-Tabakha, Akram Ashames, Rabin Neupane, R Jayachandra Babu, Jwala Renukuntla, Amit K Tiwari, Evaluation of Cytotoxicity and Taste-Masking Effect of Selected Flavors on Dental Lidocaine HCl Injection. *Pharmaceuticals*, 13, 11, 253 (2020)
- Shujaat Ali Khan, Wajeeha Azam, Akram Ashames, Khairi Mustafa Fahelalbom, Kaleem Ullah, Abdul Mannan, Ghulam Murtaza. β -Cyclodextrin-based (IA-co-AMPS) Semi-IPNs as Smart Biomaterials for Oral Delivery of Hydrophilic Drugs: Synthesis, Characterization, In-Vitro and In-Vivo Evaluation. *Journal of Drug Delivery Science and Technology*, 60, (2020), 101970
- Ashames et al, Pharmaceutical Quality Attributes of Various Brands of Metformin Hydrochloride Tablets from UAE Market Including Recently Recalled Products. *Research Journal of Pharmacy and Technology*;14(2) (2021), Accepted
- Jianxian Chen, Akram Ashames, Manal Ali Buabeid, Khairi Mustafa Fahelalbom, Muhammad Ijaz, Ghulam Murtazad. Nanocomposites drug delivery systems for the healing of bone fractures. *International Journal of Pharmaceutics*; 585, 119477 (2020)
- Ashames et al, Development and Ex-Vivo Skin Permeation Studies of Finasteride-PLGA and Minoxidil-Chitosan Nanoparticulate Systems. *Journal of Bioactive and Compatible Polymers*, 35 (2), 77-91 (2020)
- A Shah, AA Ashames, MA Buabeid, G Murtaza. Synthesis, in vitro characterization and antibacterial efficacy of moxifloxacin-loaded chitosan-pullulan-silver-nanocomposite films. *Journal of Drug Delivery Science and Technology*, 55, 101366 (2020)
- May Reda, Akram Ashames, Zehra Edis, Samir Bloukh, Richie Bhandare, Hamed Abu Sara. Green synthesis of potent antimicrobial silver nanoparticles using different plant extracts and their mixtures. *Processes* 7 (8), 510 (2019)
- Akram Ashames. Bachelor of Pharmacy Programs in United Arab Emirates. *Universal Journal of Educational Research* 7 (8), 1650-1662 (2019)
- Akram Ashames, Richie Bhandare, Sham Zain AlAbdin, Tasnim Alhalabi, Farah Jassem. Public perception toward e-commerce of medicines and comparative pharmaceutical quality assessment study of two different products of furosemide tablets from community and illicit online pharmacies. *Journal of Pharmacy And Bioallied Sciences* 11(3), 284 (2019)
- Akram Ashames, Nageeb Hassan, Kristen Alamir, Kamar Modalaleh, Alin Naser, Aya Khawatmi. Correlation between Neck Circumference, Waist Circumference, Body Mass Index, and Overweight/Obesity among Ajman University Students, *Research J. Pharm. and Tech.* 12(5), 2443-2452 (2019)
- Akram Ashames, Richie Bhandare, Sham Zain AlAbdin, Amna Aljashamy, Aya Atfeh, Abir Elwaer, Noura Fakhry. In vitro Comparative Quality Attributes of Selected Brands of Fexofenadine Hydrochloride Tablets Marketed in UAE and India. Book title: *Chemistry for a Clean and Healthy Planet* (Chapter 5), Springer, September 2019)
- Zehra Edis, Samir Haj Bloukh, Akram Ashames, May Ibrahim. Copper-based nanoparticles, their chemistry and antibacterial properties: A Review. Book title: *Chemistry for a Clean and Healthy Planet* (Chapter 24), Springer, September 2019)



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AJMAN UNIVERSITY

- Akram Ashames, Sham Zain AlAbdin, Fatima ElZahra ElMahdi, Asma Samhi, Manar Farraj. Qualitative and quantitative characterization of hazardous triclosan traces in household personal care soaps marketed in UAE. *Journal of Pharmaceutical Sciences and Research*, 11 (1), 89-92 (2019).
- Akram Ashames, Moawia M. Al-Tabakha, Sham Zain AlAbdin, Zainab Ahmad. Tablet Splitting: Public Perception and Quality Attributes of Two Common Cardiovascular Drugs. *Research Journal of Pharmacy and Technology*, 11, (12), 5562-5568 (2018).
- Heena D. Patel, Moayad Al Shahwan, Akram Ashames, Mohammed Waseemul Islam, Richie Bhandare. One pot microwave-assisted synthesis of 3-benzyl-5-hydroxymethyl-1,3-oxazolidin-2-one. *Journal of Pharmaceutical Sciences and Research*, 10 (11), 2814-281 (2018).
- Amal Ammar, Mohamed El-Attug, Amal Belaid, Sakina Sadaawi, Ruwida Kamour, Akram Ashames, Tariq Almog and Shukri Alsharif. Separation of complexed semi-synthetic flavonoids by using fused core column in short time. *Journal of Chemical and Pharmaceutical Research* 8 (3), 438-443 (2016).
- S. Kim Williams Ratanathanawongs, J. Ray Runyon, Akram A. Ashames. Field-Flow Fractionation: Addressing the Nano Challenge. *Anal. Chem.*, 83 (3), 634-642 (2011).

Courses Taught (Last five years)

- Pharmaceutical Quality Assurance
- Pharmaceutical Analysis I & II
- Pharmacy Management & Pharmacoeconomics
- Pharmaceutical Analytical Chemistry I & II
- Instrumental Analysis I & II
- General Chemistry

Professional Experience

- Associate Professor, Department of Pharmaceutical Sciences, College of Pharmacy & Health Sciences, Ajman University, 2020-Present
- Head of Laboratories, College of Pharmacy & Health Sciences, Ajman University, 2017-Present
- Assistant Professor, Department of Pharmaceutical Sciences, College of Pharmacy & Health Sciences, Ajman University, 2016-2020
- Assistant Professor, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Tripoli, Libya, 2015-2016
- Visiting Assistant Professor, Faculty of Pharmacy, Almerghab University, Libya, 2015-2016
- Teaching Assistant, Department of Chemistry, Colorado School of Mines, USA, 2012-2013
- Head of Pharmaceutical Chemistry & Pharmacognosy Department, College of Pharmacy & Health Sciences, Ajman University, UAE, 2016-2017
- Head of Quality Assurance Department, Faculty of Pharmacy, University of Tripoli, Libya, 2016
- General Manager of State Pharmaceutical Quality Control Administration (Libyan FDA), 2005-2006

Committees Work

University Level:

- Chair, Student Disciplinary Committee, 2021-2022 to present
- Co-chair of Budget Planning Committee, 2019-2020
- Environmental Health and Safety (EHS) member and college coordinator, 2019-2020 to present
- College representative in Risk Register Committee chaired by COO, 2019-2020 to present
- Member in Task Force #4: Community Engagement Initiatives.
- Academic Coordinator for WASC Accreditation (ACWA)



- Chair and member in numerous hiring committees formed by VCAA (for confidentiality, details on these committees are not disclosed)

College Level:

- Member of College Council, College of Pharmacy & Health Sciences: since October 2016.
- Member of ACPE Steering Committee, Ajman University: Since Jan 2017.
- Member of College Curriculum Committee, Ajman University: Since Jan 2020.
- Lead the admission process (coordinated with Registration Office, admission test management, admission interviews, course registration for new students)

Department Level:

- Member in many ad hoc committees for faculty and staff hiring and promotion.
- Member in ad hoc committee to study the possibility of launching PhD program.

Community Level:

- Arbitrator at Rashid Bin Humaid Award for Culture and Science (Ajman): since 2017.

Honors and Awards

- DUPHAT 2017 (Poster Award): Exosomes as a Drug Delivery System for Cancer Therapy. Alanoud M. Bahri, Eman R. Shammout, Sirene S. El Tin, Akram Ashames
- DUPHAT 2018 (Poster Award): A comparative quality control study of selected brands of fexofenadine hydrochloride tablets marketed in UAE and India. Noura M. Fakhry, Abir A. Elwaer, Aya G. Atfeh, Amna A. Aljashany, Sham Zain Alabdin, Richie Bhandare, Akram Ashames
- DUPHAT 2018 (Poster Award): E-Prescribing of medicines: benefits, ethics, and barriers. Ameena Hytham, Rawan Mohamoud, Sali Daoudi, Sabrin Baligh, Nihal Abdullah, Akram Ashames
- AU Research Day 2018 (Poster Award): Correlation between neck circumference, waist circumference, body mass index, and overweight/obesity among Ajman University students. Kristen A. Alamir, Kamar A. Modalaleh, Alin A. Naser, Aya M. Khawatmi, Nageeb Hassan, Akram Ashames
- AU Research Day 2018 (Poster Award): Public Perception and Quality Attributes of Three Common Cardiovascular Drugs. Sham Zain AlAbdin, Zainab Ahmad, Moawia Al-Tabakha, Akram Ashames
- DUPHAT 2019 (1st Best Innovative Poster Award): Fat burners: A solution or a scam? Batoul M. Baradie, Haneen E. Abufares, Akram Ashames
- DUPHAT 2019 (6th Best Oral Presentation): Pharmaceutical quality control evaluation of metformin hydrochloride tablets including recently recalled products from UAE market. Alaa Ahmad, Alanoud Al-Attari, Huda Ahmad, Ruba Alnajjar, Sabrina Ait Gacem, Akram Ashames

Other Contributions and Achievements

- Internal Research Grants:
 - Principle Investigator (AED 35,000). Title: Comparative study of antimicrobial activity of various silver nanoparticles synthesized by different green methods.
 - Principle Investigator (AED 20,000). Title: Formulation, Characterization, and In-Vitro Assessment of pH-responsive Hydrogels for Colonic Drug Delivery Systems.
 - Co-Investigator (AED 47,960). Title: Synthesis, characterization and biological applications of nanoemulsion-based synthetic chalcones.
 - Co-Investigator (AED 48,998). Title: Synthesis and antimicrobial activity of copper iodide nanoparticles within polymer matrices on bacteria.