

Lecturer Maryam Hamed shubbar

Department of Pharmacy

Email: maryam.hamed@alfarabiuc.edu.iq

صورة شخصية واضحة

Education:

PhD, University of Manchester, Year 2019

MSc, University of Petra University, Year 2011

BSc, University of Amman Al Ahlyia, Year 2008

Profile:

An enthusiastic, highly motivated pharmacist, scientific researcher and lecturer with huge experience in research, industry and academia. I am specialist in pharmacology, drug interaction and my research area are liver metabolism, protein transporters inhibition and Alzheimer disease. I have worked in academia for several years and Lead teaching class by using a wide variety of techniques like Problem-based/enquiry-based learning, Flipped classroom, seminar or tutorial.

Teaching

Teaching Assistant and research scientist in the Pharmacy school at the University of Manchester.

I facilitated the practical class for 1st, 2nd and 3rd year undergraduate Master of Pharmacy student in Biology, pharmaceuticals, pharmacology and chemistry.

I designed and taught Pharmacology (year 3, 4), Toxicology (Year 4), Pharmaceutical science and drug delivery (Year 4) and Therapeutic drugs monitoring (year 5) courses.

Research Focus

- 1- drug metabolism and establishing *in vitro* models.
- 2- Using *in vitro* everted gut to study the drug absorption. Using liver homogenate to study drugs metabolism and using *in vitro* protein binding model.
- 3- investigation the effects of amyloid beta peptide (the main cause of Alzheimer disease) on brain endothelial cell transporter proteins activity and expression by using *in vitro* models of disease
- 4- Studying the effects of several therapeutic drugs on peptide or drugs penetration and bioavailability.

Publications

1-Shubbar, M & Penny, J, Therapeutic drugs modulate ATP-Binding Cassette transporter-mediated transport of amyloid beta(1–42) in brain microvascular endothelial cells. *European Journal of Pharmacology*, 2020. 874, 173009.

2-Interaction of amyloid beta with blood-brain barrier ATP-Binding Cassette transporters. *British journal of pharmacology*, 2019. 176,2977-3081.

3-Shubbar, M & Penny, J, Effect of amyloid beta on ATP-binding cassette transporter expression and activity in porcine brain microvascular endothelial cells. *Biochimica et Biophysica Acta (BBA)-General Subject*, 2018. 1862 (10), 2314-2322.

4-Shubbar, M & Penny, J, Plasma levels of therapeutic drugs significantly inhibit blood-brain barrier endothelial cell ABC transporters, *Basic & Clinical Pharmacology & Toxicology*, 2017. 121:3–90.

5-Qinna, N.A., Shubbar, M, et al., Glucosamine Enhances Paracetamol Bioavailability by Reducing Its Metabolism. *Journal of Pharmaceutical Sciences*, 2015. 104(1): p. 257-265.

Affiliations/Activities

Award the first level of Bachelor's degree in Pharmacy and medical science 2008.

Award the first level of Master degree in pharmacy and pharmaceutical sciences.

Honouring by Iraqi Embassy in Jordan 2011 for achieving the first level in my study and research.

Member of several societies like British Pharmacological society.