

PROFILE		
1	NAME	Mumtaz Hussain
2	ACADEMIC POSITION	Associate Professor
3	STATUS OF APPOINTMENT	Contract
4	CITIZENSHIP	British
5	EDUCATION	BPharm (Lon) PhD (Lon)
6	WORKING EXPERIENCE	Store Pharmacist (Boots the Chemist) Senior Lecturer (UiTM) Pharmacy Manager (Sainsburys Pharmacy) Senior Lecturer (UKM) Pharmacist(Sainsburys Pharmacy) Lecturer (USM)
7	CURRENT ACADEMIC RESPONSIBILITIES	PHC613 :Biopharmaceutics & Pharmacokinetics PHC463: Fundamentals of Pharmaceutics PHC529: Pharmaceutical Industrial Practice PHC560: Nutraceuticals PHC579: Nutraceuticals and Cosmeceuticals PHC555: Industrial Attachment
8	RESEARCH INTERESTS/ PROJECTS	Pharmacy Practice: Diabetes prevention and care Pharmacy Education Pharmacokinetics software applications in teaching and learning Molecular Dynamics Simulations
9	PUBLICATIONS	Mumtaz Hussain, Shariza Sahudin, Izzati Yussof. <i>Exploring the use of Computer-Aided Learning the Assist in the Teaching and Learning of Pharmacokinetics. Journal of Young Pharmacists</i> , 12(4), 2020. Mumtaz Hussain, Shariza Sahudin, Syahirah Mohd Fauzi, Nursharirah Abdul Manaf, Mohd Shahezwan Abd Wahab. <i>Exploring Pharmacy Students Chosen Career Path: A Year-On-Year Perspective. Higher Education</i> , September 2020.

Shariza Sahudin, Mumtaz Hussain*, Shaharizuan Abd Rahman, Muhammad Aliff Shahkirin Hamdan, Muhamad Rizal Abd Rahim. *The Use of Nata de Coco Derived Bacterial Cellulose as a Potential Excipient for Directly Compressed Tablets*. **International Pharmacy Acta**, Vol. 3 No. 1, 2020.

Mumtaz Hussain, Shariza Sahudin*, Wan Shazwana Jannah Wan Abdullah. *Enzymatic Degradation: Effects of Degradation Time on the Solubility and Physical Characteristics of Chitosan*. **International Pharmacy Acta**, Vol. 2 No. 1, 2019.

Mumtaz Hussain*, *Molecular Dynamics Simulations of Glycyrrhizic Acid Aggregates as Drug-Carriers for Paclitaxel*. **Current Drug Delivery**. 2019, 16, 618-627.

Mumtaz Hussain*, Shariza Sahudin. *Obesity, Type-II Diabetes and the Use of Food Labels: A Malaysian Perspective*. **Journal of Pharmacy and Nutrition Sciences**, 2019, 9, 144-151.

Mumtaz Hussain*, Shariza Sahudin, Nor Hayati Abu Samah, Nor Khaizan Anuar, *Students perception of an industry based approach problem based learning (PBL) and their performance in drug delivery courses*, **Saudi Pharmaceutical Journal**, Volume 27, Issue 2, 2019, Pages 274-282.

Nursyafiqah Sahrum Ayumi, Shariza Sahudin, Zahid Hussain, Mumtaz Hussain and Nor Hayati Abu Samah. *Polymeric nanoparticles for topical delivery of alpha and beta arbutin: preparation and characterization*. **Drug Delivery and Translational Research** 2018.

Nik Amanina Farhanah Abu Hassan, Shariza Sahudin, Zahid Hussain, and Mumtaz Hussain. *Self-assembled chitosan nanoparticles for percutaneous delivery of caffeine: preparation, characterization and in vitro release studies*. **International Journal of Applied Pharmaceutics** 2018; Vol 10 (4):172-185.

Shariza Sahudin, Mumtaz Hussain*, Farah Yahaya. A

preliminary study of the potential role of Malaysian community pharmacists in type 2 diabetes medicines management clinics. Journal of Pharmacy Practice and Research 2018; Vol 48(4):377-383.

Zahid Hussain, Shariza Sahudin, Izaaz Naziyah Mohd Haliza, Mumtaz Hussain, Muhammad Luqman Mohd Sabri, Muhammad Anwar Ismail. *Hemicellulase-mediated Hydrolysis of Chitosan: An Efficient Method to Synthesize Water Soluble Chitosan. International Journal of Pharmaceutical Sciences and Research.* Vol. 9, Issue 1; January, 2018.

Shariza Sahudin, Mumtaz Hussain*, Azyyati Mohd Suhaimi, Nor Farhah Abdul Ghaffar. *A Diabetes and Obesity Crisis: Preliminary Study of Lifestyle, Diet, Knowledge and Attitude of Malaysian Pharmacy Undergraduates Towards Type-2 Diabetes. Journal of Pharmacy and Nutrition Sciences,* 2017, 7, 4.

Mumtaz Hussain*, Shariza Sahudin. *Solvent mediated stabilisation of dissolution at the crystalline-water interface. Crystal Research and Technology.* 2010, 45, 2, 149-157.

Mumtaz Hussain, Jamshed Anwar*. *The riddle of resorcinol revisited: molecular dynamics simulations of the effect of solvent at the resorcinol-water interface.*, Hussain, M. and Anwar, J., *Journal of the American Chemical Society. Journal of the American Chemical Society.* 1999, 121, 8583-8591.

POSTERS, PRESENTATIONS, PROCEEDINGS & AWARDS

Mumtaz Hussain, Shariza Sahudin*, Wan Shazwana Jannah Wan Abdullah. *Enzymatic Degradation: Effects of Degradation Time on the Physical Characteristics and Water Solubility Properties of Chitosan. Proceedings of CSSR. Iranian Journal of Pharmaceutical Sciences.* December 2019: P.1.

Shariza Sahudin, Mumtaz Hussain*, Shaharizuan Abd Rahman, Muhammad Aliff Shahkirin Hamdan, Muhamad Rizal Abd Rahim. *The Use of Nata de Coco Derived Bacterial Cellulose as a Potential Excipient for Directly Compressed Tablets. Proceedings of CSSR. Iranian Journal*

		<p>of Pharmaceutical Sciences. December 2019: P.1.</p> <p>Mumtaz Hussain, Sharia Sahudin. The Use of Nata De Coco Derived Bacterial Cellulose as a Potential Excipient for Directly Compressed Tablets. 5th International Conference on Science and Social Research (CSSR UiTM) 2018. Oral Presenter.</p> <p>Mumtaz Hussain, Sharia Sahudin. The Use of Nata De Coco Derived Bacterial Cellulose as a Potential Excipient for Directly Compressed Tablets. 5th International Conference on Science and Social Research (CSSR UiTM) 2018. Best Paper Award.</p> <p>Mumtaz Hussain, Shariza Sahudin, Izzati Yussof. 1st Controlled release Asia meeting. Developing a Software Package to Assist in the Teaching and Learning of Pharmacokinetics and Bioequivalence. 2018. Singapore. Poster Presenter.</p> <p>Izzati Yussof, Shariza Sahudin, Azyyati Mohd Suhaimi, Mumtaz Hussain* . Developing a Software Package to Assist in the Teaching and Learning of Pharmacokinetics and Bioequivalence. Asean Pharm Net, 2017. Oral presenter.</p> <p>Mumtaz Hussain, Shariza Sahudin *, Nor Hayati Abu Samah, Nor Khaizan Anuar, Problem Based Learning For Pharmaceutics Courses: Yes or No? Asean Pharm Net 2017. Poster presenter.</p> <p>Editor: 4th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Sciences: Conference abstracts. International Journal of Pharmacy and the Pharmaceutical Sciences. Vol 8 Issue 2 February 2016.</p>
10	RESEARCH GRANTS	<p>iKinetSTUDIO, A comprehensive pharmacokinetics and TDM software application to enhance the teaching and learning of pharmacy students and pharmacists. 600-IRMI/DANA 5/3/SINERGI (011/2018) (Principle).</p> <p>Optimisation of formulation, preclinical stability and toxicity studies of palm oil based aqueous cream for the treatment of eczema and dry skin conditions. 600-IRMI/DANA 5/3/SINERGI (006/2017) (Co).</p> <p>The Use of Nata de Coco Derived Bacterial Cellulose as a Potential Excipient for Directly Compressed Tablets. 600-IRMI/MyRA 5/3/LESTARI (0089/2016) (Principle).</p>

		<p>Computer-aided learning: A pharmacokinetics software package for pharmacy undergraduate teaching and learning. 600-IRMI/DANA 5/3/ARAS (0004/2016) (Co).</p> <p>Implementation and assessment of the effectiveness of assisted problem-based learning, compared to didactic approach in pharmaceuticals courses in Faculty of Pharmacy, UiTM. 600-IRMI/MyRA 5/3/LESTARI (0133/2016) (Co).</p>
11	AWARDS	<p>2021 Pharm iidex: NeDecoRapid: Gold Award</p> <p>2020 Patent Filing: PI 2020003941, UiTM; Oral pharmaceutical composition for forming directly compressed tablets with improved dissolution profile, disintegration time and physical stability. Patent Filing: PI 2020003942, UiTM; Natural-based excipient for directly compressed tablets.</p> <p>2019 Percipta: Skin Moisturising Composition: Silver Award iidex: iKinet Studio: Gold Award Pharm iidex: iKinet Studio: Gold Award www.ikinet.my</p> <p>2018 Patent Filing: PI 2018702818, UiTM; ikinetSTUDIO: Pharmacokinetics Software Application for Teaching and Learning. iTEX: Skin Moisturising Composition: Gold Award Trademark: iKinetStudio: UiTM</p> <p>2017 iidex: ChitoPRO: Silver Award</p> <p>2016 iidex: Aqua Palme & Crema Palme: Gold Award iidex: Covapearl Collection: Silver Award iidex: iKinet Software Application: Bronze Award</p>
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	<p>Registered Pharmacist : General Pharmaceutical Council (GPhC) UK 1995 Registered Pharmacist: Malaysian Pharmacy Board 2002</p>
13	PARTICIPATION IN CONTINUING EDUCATION	<p>MPS Conference 2021: Covid Vaccinations Advocacy Panel Member</p> <p>UiTM Workshop 2021: Pharmacists Perspectives of Covid</p>

		<p>Vaccinations : Speaker</p> <p>2020 Vaccination services for Pharmacists Workshop</p> <p>2020 Basic Life Support for Pharmacists Workshop</p> <p>2019 Training Workshop on Technopreneurship for Developing Countries, UNESCO.</p> <p>2019 NCSCT (UK) Certified Smoking Cessation Practitioner.</p> <p>2019 Safeguarding Children and Vulnerable Adults (Level 1 & Level 2) training</p> <p>2016 Good Clinical Practice (GCP), National Pharmaceutical Regulatory Agency, Malaysia.</p> <p>Medicines Use Reviews (MURs), CPPE, UK, Training.</p>
14	COMMUNITY SERVICES	Vaccination Services: Community Pharmacy UK