PROFILE		
1	**NAME**	Khuriah Abdul Hamid
2	**ACADEMIC POSITION**	Senior Lecturer
3	**STATUS OF APPOINTMENT**	Permanent
4	**CITIZENSHIP**	Malaysian
5	**EDUCATION**	1. PhD (Biopharmaceutics), Kyoto University, Japan - 2010 2. MSc (Biochemistry), Universiti Kebangsaan Malaysia, Malaysia – 2006 3. BSc (Hons.) (Biochemistry), Universiti Kebangsaan Malaysia, Malaysia – 2003
6	**WORKING EXPERIENCE**	1. Senior Lecturer of Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, Selangor 2010 – present 2. Research Associate at Advanced Materials and Healthcare Technologies, School of Pharmacy, University of Nottingham, UK (April 2016 – April 2018) 3. Drug Formulation Executive (industrial attachment for young lecturer), Pharmaniaga Research Centre Sdn. Bhd. Shah Alam (Jan 2011 – Dec 2011) 4. Science Officer, Cord Blood Unit, National Blood Centre, Kuala Lumpur (Jun 2005 – Aug 2006)
7	**CURRENT ACADEMIC RESPONSIBILITIES**	PHC 413: Physical Pharmacy (Resource Person, Lecture, Tutorial, Practical) PHC400: Physicochemical Basis for Pharmacy (Lecture and Tutorial) PHC453: Fundamentals of Pharmaceutics II (Lecture, Tutorial, Practical) PHC554: Pharmaceutical Material and Product Characterisation (Lecture, Tutorial, Practical) PHC500: Drug Delivery System II (Practical) PHC430: Fundamentals of Pharmaceutics I (Lecture, Tutorial, Practical) PHC579: Nutraceutical and Cosmeceutical Sciences (Tutorial and Practical) PHC529: Pharmaceutical Industry Practice (Lecture, Tutorial,Practical) PHC471: Drug Delivery System I (Lecture, Tutorial) PHC672: Industrial Attachment

8	**RESEARCH INTERESTS/ PROJECTS**	Innovative nanoparticle-based formulation strategies for enhancing drug delivery across multiple routes, encompassing oral, intranasal, topical, and transdermal administration, all underpinned by well-designed experiments and pharmacokinetic analysis.
9	**PUBLICATIONS**	1. Hashim LE, Sabri AH, Mohamad MA, Anjani QK, Mustaffa MF, and **Hamid KA** (2023). Circumventing the Gastrointestinal Barrier for Oral Delivery of Therapeutics Proteins and Peptides (PPTs): Current Trends and Future Trajectories. Current Drug Delivery.https://doi.org/10.2174/1567201820666230418091506 [In Press: Q1/Corresponding Author] 2. Qonita Kurnia Anjani, Fabiana Volpe-Zanutto, **Khuriah Abdul Hamid**, Akmal Hidayat Bin Sabri, Natalia Moreno-Castellano, Xiomara A. Gaitán, Juliana Calit, Daniel Y. Bargieri, Ryan F Donnelly. 2023. Primaquine and chloroquine nano-sized solid dispersion-loaded dissolving microarray patches for the improved treatment of malaria caused by *Plasmodium vivax*. Journal of Controlled Release. 361: 385-401. https://doi.org/10.1016/j.jconrel.2023.08.009 (Q1/Sole Author) 3. Rozaini Mohd Zohdi, Shahida Muhamad Mukhtar, Fatin Amelina Kaharudin, **Khuriah Abdul Hamid**, Hasidah Mohd Sidek, Nurulfazlina Edayah Rasol, Fatma Sri Wahyuni, Nor Hadiani Ismail. 2022. Acute oral toxicity of root methanol of Goniothalamus lanceolatus Miq. and its isolated bioactive compound (Parvistone D) in murine model. 51 (2) 77-86 (Q3/Co-author) 4. Qonita Kurnia Anjani, Akmal Hidayat Bin Sabri, Mary B McGuckin, Huanhuan Li, **Khuriah Abdul Hamid**, Ryan F Donnelly. 2022. *In Vitro* Permeation Studies on Carvedilol Containing Dissolving Microarray Patches Quantified Using a Rapid and Simple HPLC-UV Analytical Method. 23 (7) 1-13 (Q1/sole-author) 5. Maisarah Azman, Akmal H. Sabri, Qonita Kurnia Anjani, Mohd Faiz Mustaffa, **Khuriah Abdul Hamid**. 2022. Intestinal Absorption Study: Challenges and Absorption Enhancement Strategies in Improving Oral Drug Delivery. Pharmaceuticals. 15 (8): 975. (**Q1/Corresponding Author**) 6. Mohd Zulhelmy Ahmad, Akmal Hidayat Sabri, Qonita Kurnia Anjani, Juan Dominguez-Robles, Normala Abd Latip, **Khuriah Abdul Hamid**. 2022. Design and Development of Levodopa Loaded Polymeric

		Nanoparticles for Intranasal Delivery. Pharmaceuticals. 15(3):370. **(Q1/Corresponding Author**) 7. Zamram QAZM, Mohsin HF, Mohamad MM, Nor Hazalin NAM, **Hamid KA**. 2021.Physical characterisation and stability study of formulated Chromolaena odorata gel.Current Drug Delivery. 18 (10): 1-17 **(Q2/Corresponding Author)** 8. Siti Zuhairah Zainuddin, **Khuriah Abdul Hamid**. 2021. Chitosan-Based Oral Drug Delivery System for Peptide, Protein and Vaccine Delivery. Chapter in book. Chitin and Chitosan - Physicochemical Properties and Industrial Applications. DOI: 10.5772/intechopen.95771. **(Book Chapter/ Corresponding Author)** 9. Nurfazreen Anuar, Akmal H. Sabri, Tommy Juliato Bustami, **Khuriah Abdul Hamid.** 2020. Development and characterization of ibuprofen-loaded nanoemulsion with enhanced oral bioavailability. Heliyon. E04570. 1-10. **(Q1/Corresponding Author).** 10. Nur Amirah Aziz, Mashani Mohamad, Hannis Fadzillah Mohsin, Nurul Aqmar Mohd Nor Hazalin, **Khuriah Abdul Hamid**. 2020. The Pharmacological Properties and Medicinal Potential of Chromolaena odorata: A Review. 2: 30-41. **(Corresponding Author)** 11. A.H. Sabri, J. Ogilvie, **K. Abdulhamid**, V. Shpadaruk, J. McKenna, J. Segal, D.J. Scurr, M. Marlow. 2019. Expanding the applications of microneedles in dermatology. European Journal of Pharmaceutics and Biopharmaceutics (140): 121-140. **(Q1/Senior Author)** 12. N.J. Starr, **K. Abdul Hamid**, J. Wibawa, I. Marlow, M. Bell, L. Pérez-García, D.A. Barrett, D.J. Scurr. 2019. Enhanced vitamin C skin permeation from supramolecular hydrogels, illustrated using in situ ToF-SIMS 3D chemical profiling. International Journal of Pharmaceutics (563): 21-29. **(Q1/Senior Author)** 13. M.H Mohd Jaafar, **K. Abdul Hamid**. 2019. Chitosan-coated alginate nanoparticles enhanced absorption profile of insulin via oral administration. Current Drug Delivery (16):672-686. **(Q2/Corresponding Author)** 14. Z. Othman, M. A. Wahid, W. K. Lee and **K. A. Hamid**. 2018. Detection of Drugs Residue in Kerayong River, Kuala Lumpur. 570-580. Journal of Fundamental and Applied Sciences (6): 570-580 15. Gurmeet Kaur Surindar Singh, **Khuriah Abdul Hamid**, Muhammad Anwar Ismail, Yang Mahirah Abdul Ghani, Meor Mohd Redzuan Meor Mohd Affandi.2017. Intestinal Absorption Of Astaxanthin Emulsion Formulations in Rats.

		Thai Journal of Pharmaceutical Sciences (TJPS) (41): 141-144. 16. Zulhafizal Othman, Marfiah Ab. Wahid, **Khuriah Abdul Hamid**, Jazuri Abdullah, Norasyikin Ahmad Kamal. 2017. Occurrences of drugs in urban river water. Case Study: Kerayong River, Selangor, Malaysia. Journal of Clinical and Health Sciences S45-S46. eISSN-0127-984X. 17. **Khuriah Abdul Hamid**, Mohammed Al-Mayahy, Nichola J. Starr, Andrew L. Hook, Maria Marlow, David J. Scurr. 2018. Quantifying in vivo permeation of chlorhexidine digluconate (CHG). UK Surface Analysis Forum (UKSAF), 2018, NSG European Technical Centre, Lancashire, UK. 3/3/18 18. A. F. Mohd, M. Z. Ahmad, M. H. Mohd Jaafar, N. A. Latip, **K. Abdul Hamid**. 2015. Drug Distribution Study of FITC-Labelled Levodopa-Loaded Chitosan Nanoparticles by Intranasal Delivery. 4th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Sciences. (Abstract book page 50) 19. M.H. Mohd Jaafar, **K. Abdul Hamid**. 2015. Pharmacokinetics Profiles of Enteric-Coated Insulin Nanoparticles in Rat Plasma after Oral Administration. 4th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Sciences. (Abstract) 20. **K.A. Hamid**, A.F. Mohd, R. Mohd Zohdi, Z. Eshak and R. Omar. 2015 Pollen Analysis of Selected Malaysian Honey. Academic Journal of Entomology, 8 (2): 99-103. 21. Ku Aizuddin K.A, **Khuriah A.H**, C.S. Foo, Meor Mohammad Affandi M.M.A. 2014. Physicochemical Characterization of Designed Astaxanthin-loaded PLGA Formulated via Nanoprecipitation Technique. International Journal of Pharmacy and Technology (4): 5962-5972 22. **Khuriah Abdul Hamid**, Salizatul Ilyana Ibrahim, Muhammad Azril Hashim, Mohamed Salama. Formulation and evaluation of benzyl benzoate emulgel. 2015. IOSR Journal of Pharmacy and Biological Sciences, 10 (3): 06-09. 23. A. Asmak, S. Fatimah, I. Huzaimah, **A.H. Khuriah, A.M.** Siti Khadijah. 2015. Is Our Medicine Lawful (*halal*)? Middle-East Journal of Scientific Research, 23(3): 367-373. 24. A. Nurfazreen, B. E. Tommy Julianto, **A. H. Khuriah**. 2015. Determination of poorly soluble drug, Ibuprofen in rat plasma by a simple HPLC analysis and its application in pharmacokinetic study. International Journal of Pharmaceutical Sciences and Research, 6 (1): 96-102. 25. Ku Aizuddin K.A, Nurlina M.A, **Khuriah A.H**, C.S. Foo,

		M.M.R MeorMohd Affandi. 2013. Development of astaxanthin-loaded biodegradable nanoparticles by nanoprecipitation method, International Journal of Pharmacy and Technology. 5, 5962-5972. 26. Mohd Hafiz MJ, **Khuriah AH**, Meor Mohd Affandi MMR, Liza S, Suzana MJ, Tommy Julianto BE. 2013. Simple and sensitive HPLC method for the determination of insulin in rat plasma and its application in pharmacokinetic study. Int. J. Pharm. Sci., 5, 133-137. 27. Dong Zengqi, **Khuriah Abdul Hamid**, Yang Gao, Yulian Lin, Hidemasa Katsumi, Toshiyasu Sakane, Akira Yamamoto. 2010. Polyamidoamine dendrimers can improve the pulmonary absorption of insulin and calcitonin in rats. J. Pharm. Sci. 100, 866-1878. **(Q1/Senior Author)** 28. **Khuriah Abdul Hamid**, Yulian Lin, Yang Gao, Hidemasa Katsumi, Toshiyasu Sakane, Akira Yamamoto, 2009. The effect of Wellsolve, a novel solubilizing agent, on the intestinal barrier function and intestinal absorption of griseofulvin in rats. Biol. Pharm. Bull. 32, 1898-1905.(**Q1/Main Aunthor)** 29. **Khuriah Abdul Hamid**, Hidemasa Katsumi, Toshiyasu Sakane, Akira Yamamoto, 2009. The effects of common solubilizing agents on the intestinal membrane barrier functions and membrane toxicity in rats. Int. J. Pharm. 379, 100-108.**(Q1/Main Author)** **Scopus Indexed Proceedings** **(IEEE Explore)** 1. Mohd Hafiz Mohd Jaafar, **Khuriah Abdul Hamid**, Rozaini Mohd Zohdi, Tommy Julianto Bustami Effendi (2012). Physicochemical Properties and Pharmacokinetic Profiles of Selected Malaysian Honey. 2012 IEEE Symposium on Business, Engineering and Industrial Applications, 140-145. (Corresponding Author) 2. Nurfazreen Anuar, **Khuriah Abdul Hamid**, Mohd Hafiz Mohd Jaafar, Tommy Julianto Bustami Effendi (2012). High-Performance Liquid Chromatography Method for the Determination of Xanthone in Rat & Its Application in Pharmacokinetic Studies. 2012 IEEE Symposium on Business, Engineering and Industrial Applications, 331-336. (Corresponding Author) 3. Mohd Zulhelmy Ahmad, **Khuriah Abdul Hamid**, Tom Julianto Bustami Effendi (2012). A Validated Hig Performance Liquid Chromatographic Method for Determination of Levodopa in Rat Plasma & Its Applicatior

		Pharmacokinetic Studies. 2012 IEEE Symposium on Busine Engineering and Industrial Applications, 134-1 (Corresponding Author) 4. Sharifah Hendon Aljash Salleh**, Khuriah Abdul Hamid**, Noormeliza Jamil, Tommy Julianto Bustami Effendi (2012). Characterization and Stability Evaluation of Olive Oil Nanoemulsion-Based Hydrogel Formulation by Nanophase Emulsification Technique. 2012 IEEE Symposium on Business, Engineering and Industrial Applications, 824 - 828. (Senior Author) 5. Siti Aisyah Sayadi, Rozaini Mohd Zohdi, Kalavathy Ramasamy, **Khuriah Abdul Hamid** (2012). Antimicrobial activity of Malaysian honey on selected bacterial gut flora. 2012 IEEE Symposium on Business, Engineering and Industrial Applications, 130 -133. (Co-Author) 6. Deni Noviza, Nor Aireen Abd Rahim, Khuriah Abdul Ham Tommy Julianto (2023). Design and Development of Se Nanoemulsifying Drug Delivery Systems (SNEDDS) Loac with Xanthorrhizol. Malaysian Journal of Medicine and Hea Sciences Vol.19 Supp 7, June 2023 (eISSN 2636-934 (Corresponding Author) 7. Siti Aisyah Zainuddin, Abdul Latip Ab Hamid, Aqila Im Rafandi, Khuriah Abdul Hamid. Effect of Solubilizing Age on the Pharmacokinetic Profile of a BCS Class II dr Griseofulvin, in Rats (2023). Malaysian Journal of Medic and Health Sciences Vol.19 Supp 7, June 2023 (eISSN 26 9346). (Corresponding Author) 8. Nor Aireen Abd Rahim, Deni Noviza, Tommy Julian Khuriah Abdul Hamid (2023). Impact of Homogenisation Ti on Droplet Size Distribution and Rate of Separation Emulsions Formulated with Various Oils and Olivem 1000 an Emulsifier Agent. Malaysian Journal of Medicine and Hea Sciences Vol.19 Supp 7, June 2023 (eISSN 2636-93 (Corresponding Author) 9. Naqibah Jaafar, Khuriah Abd Hamid, Fazleen Haslinda Mo Hatta, Maziana Mahamood, Mohd Faiz Mustaffa (202 Phytochemical Constituents and Anti-Dermatophyte Activity Pandanus amaryllifolius (Roxb.) Leaf Extracts. Malays Journal of Medicine and Health Sciences Vol.19 Supp 7, Ju 2023 (eISSN 2636-9346) (Co-author)
10	**RESEARCH GRANTS**	**Completed research grants.** 1. Fundamental Research Grant Scheme (FRGS). Understanding the mechanistic pathways of levodopa-loaded chitosan nanoparticles for intranasal drug delivery.

		2013-2015. **Principal investigator.** 2. Principal Investigator Support Initiative Grant (PSI). Understanding the mechanistic pathways of levodopa-loaded chitosan nanoparticles for intranasal drug delivery part 2. 2013-2015. **Principal investigator.** 3. Research Acculturation Grant Scheme (RAGS). Probing Molecular Mechanism Of Poly(N-Isopropylacrylamide)-Based Nanogels In Modulating Skin Inflammation Cellular Level. 2012-2014. **Co-investigator** 4. Fundamental Research Grant Scheme (FRGS). Transmucosal And Transdermal Delivery Mechanisms Of Designed Astaxanthin-Loaded Biodegradable Nanoparticles. 2012-2014. **Co-investigator.** 5. Fundamental Research Grant Scheme (FRGS). Intestinal absorption enhancing mechanism(s) of insulin and calcitonin by Gelam honey in rats. 2010-2013. **Principal investigator.** 6. Exploratory Research Grant Scheme (ERGS). Mucoadhesion as a strategy to improve systemic drug delivery. 2011-2013. **Principal investigator.** 7. Grant DUCS 2.0. Understanding The Mechanistic Pathways of The Intestinal Absorption Of BCS Class II Drugs in The Presence of The Common Solubilising Agents. 2020-2022. **Principal Investigator.** **Active Research Grants** 1. Geran Ducs COE. Formulation Development of Cream and Gel From Polygonum Minus And Its In Vitro And Ex Vivo Comparative Assessment For Topical Application. 2022-2024. **Principal Investigator.** 2. Geran Penyelidikan Khas (GPK). Deciphering and Visualising The Mechanism(s) of Insulin-Coated Chitosan Nanoparticles for Intestinal Pharmacokinetics Study. 2020-2022. Princinpal **Investigator.**
11	**AWARDS**	1. Best Employee Award (APC) 2015 2. Best Employee Award (APC) 2020 3. GOLD Award – Malaysia Technology Expo (MTE 2022) 4. GOLD Award – IIDEx 2022, UiTM 5. GOLD Award – PECIPTA 2022, UiTM. 6. BRONZE Award – IIDEx 2018, UiTM 7. GOLD Award – MTE 2022 8. GOLD Award – ITEX 2022 9. Anugerah Insentif Penerbitan Artikel Berimpak (IPAB),

		UiTM 2019
12	**INVOLVEMENT IN PROFESSIONAL ORGANISATIONS**	Member in the following organizations: 1. United Kingdom & Ireland Controlled Release Society (UKICRS) 2. Controlled Release Society of Malaysia Local Chapter 3. Malaysian Pharmaceutical Society (MPS) 4. Laboratory Animal Science of Malaysia (LASAM)
13	**PARTICIPATION IN CONTINUING EDUCATION**	1. Building Executive Management Skill, ILD Enstek, Nilai (7-8/3/19) 2. Emerging Research Leaders Series (ERLS) (Bengkel Penulisan Jurnal) ILD Enstek, Nilai (21-23/11/18) 3. Writing workshop, De Palma Hotel, Shah Alam (22 – 23/4/19).
14	**COMMUNITY SERVICES**	1. Chair of The UiTM Puncak Alam Nursery Committee (2015 - 2016) 2. Advisor for Society of Pharmacy Students (SOPHYS) (2019-2021) 3. PIBG Committee, SKPA2 Puncak Alam (2020 – Current)