

PROFILE		
1	NAME	MEOR MOHD REDZUAN B MEOR MOHD AFFANDI
2	ACADEMIC POSITION	ASSOC PROF DR
3	STATUS OF APPOINTMENT	PERMANENT
4	CITIZENSHIP	MALAYSIAN
5	EDUCATION	<ul style="list-style-type: none"> • Doctor of Philosophy (Pharmaceutics) Universiti Teknologi MARA, 2016 • Master in Science (Pharmaceutics) Universiti Teknologi MARA, Putra Malaysia, 2012 • B.Sc. Biotechnology (Hons.) Universiti Putra Malaysia, 1994
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> • Universiti Teknologi MARA (UiTM), Selangor-Malaysia Lecturer, Pharmaceutics Department , 15 September 2007-Now • Hovid Bhd , Ipoh – Malaysia Senior Production Executive, Nov 1994 - Sept 2007
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> • Head of Post Graduate Department, Faculty of Pharmacy, UiTM , 1st June 2020- 31 August 2023
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> • Pharmaceutical Technology & Drug formulation – Solid dosage form, Solution, Soft gelatine, advanced drug delivery system (self-emulsifying system, Nano emulsion) • Pharmaceutics • Industrial Pharmacy – GMP documentation, training and implementation, productivity improvement • Application of pharmaceutical technology in nutraceutical & cosmeceutical products

<p>9</p>	<p>PUBLICATIONS</p>	<p>1) MMR Meor Mohd Affandi, T Julianto, & ABA Majeed (2011). Development and Stability Evaluation of Astaxanthin Nanoemulsion. Asian J Pharm. Clin. Res. (4): 27 – 33. Corresponding author, Scopus Index Journals</p> <p>2) Nurjannah Yob, Suhaidah Mohd Joffry, MMR Meor Mohd Affandi, Teh Lay Kek, Mohd Zaki Salleh, MR Sulaiman, Zainul Amiruddin Zakaria (2011) Zingiber zerumbet (L): A review of its ethnomedicinal, chemical and pharmacological uses. Evidence-Based Complementary and Alternative Medicine. Article ID 543216, 12 pages. Corresponding author. ISI Index Impact Factor: 1.984</p> <p>3) A. Abdullah, MMR Meor Mohd Affandi, T. Julianto & ABA Majeed (2012). Development of simple high-performance liquid chromatographic method for the determination of astaxanthin in human plasma Food Sci Technol Res, 18(1): 107-113. Co-author. ISI Index Impact Factor: 0.448</p> <p>4) S. Mohd. Joffry, NJ Yob, MS Rofiee, MMR Meor Mohd Affandi, Z. Suhaili, F. Othman, A. Md. Akim, MNM Desa, & Z. A. Zakaria (2012). : Melastomamalabathricum (L.) Smith Ethnomedicinal Uses, Chemical Constituents, and Pharmacological Properties: A Review Evidence-Based Complementary and Alternative Medicine. Article ID 258434, 48 pages doi:10.1155/2012/258434. Co-author. ISI Index Impact Factor: 1.984</p> <p>5) MMR Meor Mohd Affandi, T. Julianto & ABA Majeed. Enhanced Oral Bioavailability of Astaxanthin with droplet size Reduction (2012). Food Sci Technol Res, 18(4): 549-554. Corresponding author. ISI Index Impact Factor: 0.448</p> <p>6) Khuriah Abdul Hamid, MMR Meor Mohd Affandi, T Julianto, Liza S, Suzana MJ A Simple And Sensitive HPLC Method For The Determination Of Insulin In Rat Plasma And Its Application In Pharmacokinetic Study (2013). International Journal of Pharmacy and Pharmaceutical Science, 5(2): 133-137. Co-author , Scopus Index Journals.</p>
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7) M Mohamed, MMR Meor Mohd Affandi, Mohd Zulkefeli Bin Mat Jusoh, Abu Bakar Abdul Majeed, Minaketan Tripathy (2013). Solvent Interactions of Polyvinyl Pyrrolidone Wrapped Single Walled Carbon Nanotubes (PVP-SWNTs) in Water by Acoustic Studies. *Journal of Nanofluid*, 2(2): 1-7. Co-author.

8) Nurlina MA, MMR Meor Mohd Affandi, Ismail Bin Mohd Shah, Ku Aizudin KA (2013). Bachelor of Pharmacy Industrial Training: Performance and Preceptor Perception. *International Research Journal of Pharmacy*, 4(5), 86-91. Corresponding author. Scopus Index Journals.

9) Hadiatul Ain Hasanuddin, MMR Meor Mohd Affandi, MS Mohamed Ahmed Salama, M Tripathy (2014). Micellization of D-Alpha-Tocopheryl Polyethylene Glycol 1000 Succinate (TPGS1000) Thermodynamics and Related Solute Solvent Interactions. *Oriental Journal of Chemistry*. 30(3), 1119-1123. Co-author. Scopus Index Journals

10) MMR Meor Mohd Affandi, K Abdul Hamid, Foo, C.S. (2014) Development of Astaxanthin-loaded biodegradable nanoparticles by nanoprecipitation method. *International Journal of Pharmacy and Technology*. 5(4), 5962-5972. Corresponding author. Scopus Index Journals.

11) MMR Meor Mohd Affandi, Minaketan Tripathy, SAA Shah, ABA Majeed (2016). Solubility enhancement of simvastatin by arginine: Thermodynamics, solute solvent interactions and spectral analysis. *Drug Design, Development and Therapy*, 10: 959–969 (IF: 3.208) First Author, Scopus Index Journal

12) MMR Meor Mohd Affandi, Minaketan Tripathy, ABA Majeed (2016). Conductometric and volumetric studies on the interactions of atorvastatin-arginine complex in aqueous solution at different temperatures. *Journal of Advanced Pharmaceutical Technology & Research*, 7(3): 12-18. First Author, Scopus Index Journal.

13) MMR Meor Mohd Affandi, Minaketan Tripathy, ABA Majeed (2016). Solubility enhancement of

Simvastatin and Atorvastatin by arginine: molecular dynamics and related solution chemistry using Viscometric analysis. *Journal of Molecular Liquids* 223:1093–1099 (IF: 4.56) First Author.

14) MMR Meor Mohd Affandi, Minaketan Tripathy, ABA Majeed (2016). The prospect, promises and hindrances of statin base molecules: Look back to look forward. *International Journal of Pharmacy and Pharmaceutical Sciences*, 8(5): 22-33. First Author, Scopus Index Journal

15) Zolkiflee NF, MMR Meor Mohd Affandi, ABA Majeed (2017). Lovastatin: history, physicochemistry, pharmacokinetics and enhanced solubility. *International Journal of Research in Pharmaceutical Sciences* 8(1): 90-102. Correspondent Author, Scopus Index Journal.

16) MMR Meor Mohd Affandi, Minaketan Tripathy, ABA Majeed (2017). Solubility enhancement of simvastatin and atorvastatin by arginine: contact angle determination, wettability and surface energy characteristics. *Journal of Molecular Liquids* 240: 340-344. (IF: 4.56) Corresponding Author

17) MMR Meor Mohd Affandi, Minaketan Tripathy, ABA Majeed (2017). Solubility enhancement of simvastatin and atorvastatin by arginine: A solvodynamics study. *Journal of Molecular Liquids* 241: 359-366 (IF: 4.56) First Author

18) Nor Maziah Saidin, Nor Khaizan Anuar, M.M.R. Meor Mohd Affandi (2018). Roles of Polysaccharides in Transdermal Drug Delivery System and Future Prospects. *Journal of Applied Pharmaceutical Science* 8(03): 141-157. Author. Scopus Index Journal.

19) G.K. Surindar Singh, M.A. Ismail, N.A.A. Zulkefli, M.M.R. Meor Mohd Affandi (2018). Tissue Distribution of Astaxanthin Formulation in Rats. *Current Nutrition & Food Science* 14(4): 329 – 334. Corresponding Author. Scopus Index Journal

20) MMR Meor Mohd Affandi, Minaketan Tripathy, ABA Majeed (2018). Arginine Complexes with Simvastatin: Apparent Solubility, In Vitro Dissolution

and Solid-State Characterization. *Current Drug Delivery* 15 (1): 77-86. (IF: 1.645) First Author.

21) GKS. Singh, KA Ku Azman, MA. Abdul Hadi, Z. Jaafar, MMR. Meor Mohd Affandi (2018). Scheduled And Standardised Training Improved Employees' Knowledge On Good Manufacturing Practices (GMP). *International Journal of Pharmacy and Pharmaceutical Sciences* 10(1): 185-190. Corresponding Author. Scopus Index Journal

22) Zolkiflee, N.F., Affandi, M.M.R.M.M., Majeed, A.B.A. (2019). Molecular dynamics and related solution chemistry of lovastatin in aqueous solution of arginine: Viscometric analysis. *Journal of Molecular Liquids* 279: 386-391. (IF: 4.56) Corresponding Author.

23) Ensieh Izadi, Gull Afshan, Rahul P. Patel, Venkatesan M. Rao, Kai Bin Liew, Meor Mohd Redzuan Meor Mohd Affandi, Nurolaini Kifli, Amal Suleiman, Kah Seng Lee, Md. Moklesur R. Sarker, Syed Tabish Zaidi, Long Chiau Ming (2019). Levofloxacin: Insights into Antibiotic Resistance and Product Quality. *Frontiers in Pharmacology*. 10. 881. (IF: 4.42) Co-author.

24) Mohd Shahezwan Abd Wahab, Nurul Aina Abd Malik, Shariza Sahudin, M.M.R. Meor Mohd Affandi, Noordin Othman, Aida Azlina Ali. (2019). Exploring the factors associated with the intention to assess customers' herbal and dietary supplement use by community pharmacists in Kuala Lumpur, Malaysia. *Journal of Applied Pharmaceutical Science* Vol. 9(12), pp 108-116. Scopus Index. Co-Author

25) N.F. Zolkiflee, M.M.R. Meor Mohd Affandi, A.B.A. Majeed. (2020). Thermodynamics and solute-solvent interactions of lovastatin in an aqueous arginine solution. *European Journal of Pharmaceutical Sciences* 141 (2020) 105111. (IF: 3.616). Corresponding Author.

26) Haniza Hassan, Ramatu Omenesa Bello, Siti Khadijah Adam, Ekram Alias, Meor Mohd Redzuan

		<p>Meor Mohd Affandi, Ahmad Fuad Shamsuddin, Rusliza Basir. Acyclovir-Loaded Solid Lipid Nanoparticles: Optimization, Characterization and Evaluation of Its Pharmacokinetic Profile. <i>Nanomaterials</i> 10 (2020) 1785-1801. (IF: 4.324). Co-author</p> <p>27) NF Zolkiflee; MMR Meor Mohd Redzuan; ABA Majeed. Solvodynamic Study on Solubility Enhanced Lovastatin in Presence of Arginine as Cosolute. <i>Research Journal of Pharmacy and Technology</i> 14(7) (2021) (IF: 0.38). Corresponding Author.</p> <p>28) Nor Maziah Saidin, Nor Khaizan Anuar, Wong Tin Wui, Meor Mohd Redzuan Meor Mohd Affandi, Wan Rozita Wan Engah. Skin barrier modulation by Hibiscus rosa-sinensis L. mucilage for transdermal drug delivery. <i>Polymer Bulletin</i>. tps://doi.org/10.1007/s00289-021-03658-1 (2021) (IF: 1.85). Co-author.</p> <p>29) Ku Aizuddin Ku Azman, Foo Chit Seong, Gurmeet Kaur Surindar Singh, Meor Mohd Redzuan Meor Mohd Affandi. Physicochemical characterization of astaxanthin-loaded PLGA formulation via nanoprecipitation technique. <i>Journal of Applied Pharmaceutical Science</i> Vol. 11(06), pp 056-061, June, 2021 (IF: 1.38). Corresponding Author.</p> <p>30) Nur Farahani Zolkiflee, Meor Mohd Redzuan Meor Mohd Affandi, Abu Bakar Abdul Majeed. Estimation of Drug-Protein Binding Parameters using Amino Acids as Low Molar Mass Model Compounds: A Review. <i>Malaysian Journal of Chemistry</i>, Vol. 24(1), pp 116-130. 2022. (Scopus Index). Corresponding Author.</p>
10	RESEARCH GRANTS	<p>1) Meor Mohd Redzuan , T Julianto & AB Abdul Majeed . Young Scientist Fund. Research Management Institute, Universiti Teknologi Mara, Malaysia “The Development of Phyllanthus niruri chewable tablet”-Principle investigator (2008-2009)</p>

		<p>2) Khuriah Abdul hamid, Meor Mohd Redzuan, Tommy Julianto. Fundamental Research Grant Scheme (FRGS): “Intestinal absorption enhancing mechanism(s) of insulin and calcitonin by gelam honey in rats”- Co investigator (2010-2012).</p> <p>3) Ahmad Mustafa Masoud Eid, Meor Mohd Redzuan, Ibtisam Abdul Wahab. Fundamental Research Grant Scheme (FRGS): “Phytochemical Profiling of Azadirachta india (Neem Seed Oil) and its mechanism of actions against inflammation” – Co investigator (2010-2012).</p> <p>4) Meor Mohd Redzuan, Khuriah Abdul Hamid, Foo Chit Seong. Fundamental Research Grant Scheme (FRGS): Transmucosal and Transdermal Delivery mechanisms of designed Astaxanthin-loaded Biodegradable Nanoparticles- Principle investigator (2012-2014)</p> <p>5) Meor Mohd Redzuan, Ismail Mohd Shah, Hannis Fadzillah Mohsin . Knowledge Transfer Grant (KTP): Development of cGMP Curriculum for SME : Che Mah & Sons- Principle Investigator (2013-2015).</p> <p>6) Minaketan Tripathy, Mohd Zulkefeli Mohd Jusoh, Meor Mohd Redzuan, Abu Bakar Abdul Majeed. Fundamental Research Grant Scheme (FRGS): Silver Ion Modulation Of Glucose Mediated Respiration of E.coli – Co investigator – (2013-2016)</p> <p>7) Hannis Fadzillah Mohsin, Meor Mohd Redzuan, Kathelene Jalani. Knowledge Transfer Grant (KTP): Pemandangan kepakaran instrumentasi (lcms) bagi analisis produk herba : ke arah peningkatan daya saing syarikat</p>
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		<p>tempatan ke peringkat global – Co-Investigator (2014-2016).</p> <p>8) Meor Mohd Redzuan, Minaketan Tripathy, Abu Bakar Abdul Majeed. Fundamental Research Grant Scheme (FRGS): Solubility enhancement of Lovastatin by arginine: Thermodynamics, solute solvent interaction and spectral analysis. - Principle investigator (2016-2018)</p> <p>9) Ismail Mohd Shah, Meor Mohd Redzuan. Academic & Research Assimilation Grant (ARAS): Development of competence framework for pharmacy practice in Malaysia – Co- investigator (2016-2018)</p> <p>10) Nor Khaizan Anuar, Wong Tin Wui, Meor Mohd Redzuan, Wan Rozita Wan Engah. Fundamental Research Grant Scheme (FRGS): Deciphering the mechanism of transdermal drug permeation enhancement by hibiscus rosa-sinensis mucilage. – Co-investigator (2016-2018)</p> <p>11) Meor Mohd Redzuan Abu Bakar Abdul Majeed. Fundamental Research Grant Scheme (FRGS): Deciphering the molecular thermodynamic study of levocetirizine in aqueous solution of amino acids. - Principle investigator (2019-2022)</p> <p>12) Mohd Shahezwan Abd Wahab, Meor Mohd Redzuan Meor Mohd Affandi, Shanmuga Vivekananda Nadarajan Selvaganabathy A/L Alagirisamy. Regulatory Technology in Pharmaceutical Industries: The Current Implementation, Barriers and Perceived Facilitators, MTDC Mini Social Grant – Co-investigator (2019-2021)</p>
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11	AWARDS	<p>1) MMR, Meor Mohd Affandi, T. Julianto (Jan 2009), Phyllanthus niruri Chewable Tablet. Innovation, Invention & Design Competition (IID) 2009 – Silver Medalist</p> <p>2) Zakaria.ZA, MMR, Meor Mohd Affandi (Jan 2009) Giara Tea .Innovation, Invention & Design Competition (IID) 2009 – Silver Medalist</p> <p>3) T. Ponto, MMR Meor Mohd Affandi, T. Julianto, ABA Majeed (Jan 2010) Cocoa butter substitute</p>

		<p>nanolipid carrier of tocotrienol for topical application-Participant</p> <p>4) MMR Meor Mohd Affandi, G Kaur, M Mohamed, S Mohd Joffry, K Abdul Hamid Germ-Gosteen Hand Sanitizer. Innovation, Invention & Design Competition (IID) Puncak Alam (Aug 2010)-3rd Runner Up</p> <p>5) MMR Meor Mohd Affandi, G Kaur, M Mohamed, S Mohd Joffry, K Abdul Hamid. Germ-Gosteen Hand Sanitizer. Innovation, Invention & Design Competition (IID) SE (Oct 2010) - Silver Medalist</p> <p>6) MMR Meor Mohd Affandi, G Kaur, N. Anuar, FC Seong. Living Jungle mosquito repellent: Innovative product against dengue and zika. Innovation, Invention & Design Exposition 2017 (IIDEX2017) - Gold Medalist</p> <p>7) N Anuar, NK Azizi. WT Wui, MMR Meor Mohd Affandi, SI Ibrahim. Pectin Hydrogel wound dressing. Innovation, Invention & Design Exposition 2017 (IIDEX2017) - Silver Medalist</p> <p>8) MMR Meor Mohd Affandi, Nurkhaizan Anuar, Nur Farahani Zolkiflee. Aurantifolia- Germ-Free Non-Alcoholic Hand Sanitiser. Pharm-IIDEX 2020 - Gold Medalist</p> <p>9) MMR Meor Mohd Affandi, Nurkhaizan Anuar, Nur Farahani Zolkiflee. Aurantifolia- Germ-Free Non-Alcoholic Hand Sanitiser. IIDEX 2020 - Bronze Medalist</p>
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	Member of Hong Kong Chemical, Biological & Environmental Engineering Society
13	PARTICIPATION IN CONTINUING EDUCATION	<p>Reviewer of:</p> <ul style="list-style-type: none"> •Brazilian Journal of Pharmaceutical Sciences •Journal of the science of Food and Agriculture •The TQM Jornal •American Journal of Pharmaceutical Education •Journal of Taibah University Medical Science •Current Pharmaceutical Analysis •Educatum journal of Science, Mathematics and Technology <p>1) GMP consultant for Che Mah & Sons Sdn Bhd – 2012 – present</p> <p>2) Scientific consultant for Algaetech International Sdn Bhd – 2016- 2018</p> <p>3) GMP Consultant – TG Green Tech Industry Sdn Bhd – 2018 – present</p> <p>4) GMP Consultant – Klenso Sdn Bhd – 2020- Present</p>
14	COMMUNITY SERVICES	