

PROFILE		
1	NAME	NORMALA ABD LATIP
2	ACADEMIC POSITION	Senior Lecturer
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	PhD in Medicine (Molecular Medicine), Imperial College London, UK – 2013 Bachelor of Science (Hons) (Biochemistry), Universiti Kebangsaan Malaysia – 2005.
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> ● Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 6 Mar 2013-present ● Research Fellow, Atta-ur-Rahman Institute for Natural Product Discovery (AuRINS) UiTM (18 Jun 2017 – 18 Jun 2022) ● Research Fellow, Integrative Pharmacogenomics Institute (iPromise) UiTM (1 Sep 2022 - present)
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> ● PHC636: Cancer Chemotherapeutics ● PHC461: Principles of Pharmacology ● NAD555: Pharmacology ● OPT501: Ocular Pharmacology
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> ● Pharmacokinetics ● Drug-drug Interactions ● Drug Metabolism ● Chemoresistance
9	PUBLICATIONS	<p>2019-2023</p> <p>Chapter in Book</p> <p>Effendy G, MD, Djuli SM, Abd Latip N. (2023). Issues in Contaminants of Emerging Concern. In: Abdullah, NH & Nik Malek, NAN. Health-Related Effects of Endocrine Disrupting Chemicals (EDC) on Humans: The Malaysian Perspective (pp. 25-50). UTM Press.</p>

Journal article

Al-Khdhairawi AA, Loo JS, Abd Mutalib N, **Abd Latip N**, Manshoor N, Bakar HA, Nagojappa NB, Weber JF. Diketopiperazine and isoindolinone alkaloids from the endophytic fungus *Aspergillus* sp. HAB10R12. *Phytochemistry*. 2023 Jul 1;211:113685.

Djuli SM, **Abd Latip N**. Chromatographic Methods for The Determination of Diclofenac in Human Biological Samples: A Mini Review. *Malaysian Journal of Analytical Sciences*. 2023 Jun;27(3):563-72.

Abd Mutalib N, Mohd Bakri Z, Abdul Jalil K, **Abd Latip N**. Combination treatment of *Chromolaena odorata* ethanolic extract with cisplatin against breast cancer cell lines MDA-MB-231 and MCF-7 Cell. *JMPAS*. 2023 Mar;100:1.

Ahmad MZ, Sabri AH, Anjani QK, Domínguez-Robles J, **Abd Latip N**, Hamid KA. Design and Development of Levodopa Loaded Polymeric Nanoparticles for Intranasal Delivery. *Pharmaceuticals*. 2022 Mar 18;15(3):370.

Ridhwan MJ, Bakar SI, **Abd Latip N**, Ghani NA, Ismail NH. A Comprehensive Analysis of Human CYP3A4 Crystal Structures as a Potential Tool for Molecular Docking-Based Site of Metabolism and Enzyme Inhibition Studies. *Journal of Computational Biophysics and Chemistry*. 2022 May 17;21(03):259-85.

Md Amin NA, Sheikh Abdul Kadir SH, Arshad AH, Abdul Aziz N, Abdul Nasir NA, **Abd Latip N**. Are Vitamin E Supplementation Beneficial for Female Gynaecology Health and Diseases? *Molecules*. 2022 Mar 15;27(6):1896.

Abd Mutalib N, **Abd Latip N**. WRL-68 with the overexpression of CYP3A4 as an in vitro model to assess drug–drug interaction. *Journal of Applied Pharmaceutical Science*. 2021 Apr;11(04):057-67.

Abdullah Soheimi SS, Abdul Rahman A, **Abd Latip N**, Ibrahim E, Sheikh Abdul Kadir SH. Understanding the Impact of Perfluorinated Compounds on Cardiovascular Diseases and Their Risk Factors: A Meta-Analysis Study. *International Journal of Environmental Research and Public Health*. 2021 Jan;18(16):8345.

Abd Mutalib N, Rafi MA, **Abd Latip N**. Revisiting CYP2C9-mediated drug-drug interactions: A review. *Research Journal of Pharmacy and Technology*. 2021 Nov 30;14(11):6166-72.

Roslan Z, Hanafi NI, Kadir SH, Noh SM, Abd Talib FN, Subrayan V, Vasudevan S, **Abd Latip N**. Hydrophilic Bile Acid, Ursodeoxycholic Acid Attenuates the Effect of TGF- β 1 On Human Tenon's Fibroblast. Malaysian Journal of Fundamental and Applied Sciences. 2021 Aug 31;17(4):332-42.

Abd Mutalib N, Daud AA, Halim H, **Abd Latip N**. An Efficient and Inexpensive PEI-mediated Transfection for Transient Overexpression of CYP2C9 in WRL 68 Normal Liver Cells. Journal of Pharmaceutical Research International 2020;32 (35), 13-21

Abd Mutalib N, **Abd Latip N**. Antagonistic Drug-herb Interactions between *Clinacanthus nutans* and Cyclophosphamide on WRL 68 Cell Line. Pharmaceutical Sciences & Research. 2020;7(2):1.

Goon MD, Zulkanain NI, Kadir SH, Ab Rahim S, Mazlan M, **Abd Latip N**, Aziz MA, Noor NM. Palm tocotrienol rich fraction with palm kernel oil supplementation prevents development of liver steatosis in high fat diet ICR mice. Translational Gastroenterology and Hepatology. 2020 Mar (6)

Abd Mutalib N, **Abd Latip N**. Synergistic interactions between *Christia vespertilionis* leaves extract and chemotherapy drug cyclophosphamide on WRL-68 cell line. Asian Journal of Pharmaceutical Research and Development. 2019 Jun 20;7(3):109-13.

Hanafi NI, Kadir SH, Musa M, Othman MH, Kamaludin R, Zulkifli NA, **Abd Latip N**, Karim ZR. Low Concentration Of Bisphenol A Induces Proliferation Of Gastric Cancer Cells, HGC-27. Jurnal Teknologi. 2019 Sep 22;81(6).

Newspapers and popular magazines

Osman CP, Abd Latip N. Clove, habbatus sauda, neem and COVID-19. RISE: Catalysing Global Research Excellence, 2021. 2021 November 1:1

Dissertation and master thesis

Abd Latip, N. LARP1, an mRNA binding protein involved in cancer progression & platinum resistance. Imperial College London. 2013.

<p>10</p>	<p>RESEARCH GRANTS</p>	<p>Principal Investigator:</p> <p>The PBREM-UGT1A1 Recombinant Cell as a Tool to Assess Toxicity of Xenobiotics, Per- and Polyfluoroalkyl Substances (PFASs). RM122 500 (FRGS 2022-2024)</p> <p>Drug-Herb Interactions of <i>Clinachanthus nutans</i> and Chemotherapy Drug, Cyclophosphamide, on CYP450 Metabolism. RM92 200. (FRGS 2019-2021)</p> <p>Analysis of Endocrine Disrupting Compounds (EDCs) in Human Serum Using Minimal Blood Sample. RM18 000 (GIP 2023)</p> <p>Development of an in vitro UDP-Glucotransferase 1A1 model for the assessment of drug-drug interactions. RM18 000 (GIP 2021)</p> <p>Metabolism-Based Bioassay Model for Predicting Toxicity of New Drug Compounds. RM20 000 (GIP 2018)</p> <p>Bioassay Development for Toxicity Evaluation of New Drug Compounds. RM50 000 (BESTARI 2018-2020)</p> <p>Metabolism Mediated Interactions of <i>Christia vespertilionis</i> with Chemotherapeutic Drugs on CYP450. RM40 000. (MITRA 2017-2019)</p> <p>Anti-scarring mechanism of UDCA in TGFb-induced transdifferentiation of Tenon's fibroblast to myofibroblast. RM80 000 (RAGS 2013-2015)</p> <p>Co-Researcher:</p> <p>Penentuan Tahap Basal Darah Sebatian Pengganggu Endokrin (EDC) Pada Manusia, Memahami Kaitan Profil EDC Dengan Parameter Sindrom Metabolik Bagi Pesakit Dan Memahami Impak EDC Ke Atas Metabolisma Sel Manusia. RM501 600. MOSTI-NAHRIM-UTM. 2021-2024.</p> <p>Understanding the mechanistic pathways of levodopa-loaded chitosan nanoparticles for intranasal drug delivery. RM140 000. (FRGS. 2013-2015)</p>
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	<p>Appraisal of The Relationship Between Bioactivities of Miyabenols C with Their Isomeric Properties. RM90 800. FRGS 2019-2022</p> <p>Probing The Antiplasmodial Mechanistic Pathway of <i>Goniothalamus lanceolatus</i> by Targetting the Hemozoin Biosynthesis. RM103 200. (FRGS 2016-2019)</p> <p>Understanding the mechanistic pathways of levodopa-loaded chitosan nanoparticles for intranasal drug delivery part 2. RM10 450. (Support Initiative Grant (PSI). 2013-2015)</p> <p>Understanding The Effect of Per-and Polyfluoroalkyl Substances (PFASS) On Enzyme UDP-Glucuronosyltransferase 1A1 (UGT1A1) Activity Using Liver Metabolic Model. RM50 000 (DUCS 2022-2024).</p> <p>New Dihydrofolate Reductase Inhibitors from <i>Wrightia dubia</i>, <i>Wrightia pubescence</i> and <i>Heterostemma piperrifolium</i> Using Integrated Molecular Docking and Dereplication Approach. RM60 000. (GPM-CoE 2021-2023)</p> <p>Deciphering And Visualizing the Mechanism(S) of Insulin-Coated Chitosan Nanoparticles for Intestinal Pharmacokinetics Study. RM20 000. (GPK 2020-2023)</p> <p>Development of Hydroxychloroquine Nanoparticles for Pulmonary Drug Delivery Targeting Severe Acute Respiratory Syndrome Coronavirus 2 SARS COV 2 In the Lung. RM19 000. (LESTARI-Covid 2020-2022)</p> <p>Deciphering the Role of Endolysosomal Calcium Channel in Triple Negative Breast Cancer. RM30 000. (LESTARI. 2019-2022)</p> <p>Developing Enhanced Formulation of Palm Tocotrienol Rich Fraction (Etrf) With Palm Kernel Olein As Carrier For Dietary Supplementation. RM29 000. (MITRA 2018-2019)</p> <p>Unravelling The Antimalarial Potential of <i>Goniothalamus lanceolatus</i> in <i>Plasmodium berghei</i> Infected Mice. RM20 000. (LESTARI 2015-2017)</p>
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11	AWARDS	<p>Innovation Awards:</p> <p>GOLD Medal: Normala Abd Latip, Nurliana Abd Mutalib, Akmal Arif Daud, Sabreenna Marsya Djuli Haria Irman Djuli, Hasseri Halim. PEI-Fection: Cost Effective Transfection Reagent. Invention, Innovation & Design Exposition (IIDEX) 2022. UiTM</p> <p>SILVER Medal: Normala Abd Latip, Nurliana Abd Mutalib, Akmal Arif Daud, Sabreenna Marsya Djuli Haria Irman Djuli, Hasseri Halim. PEI-Fection: Cost Effective Transfection Reagent. Minggu Penyelidikan dan Inovasi (MPI) 2023. University College TATI, Terengganu</p> <p>GOLD Medal: Normala Abd Latip, Nurliana Abd Mutalib, Akmal Arif Daud. BandPure, an Efficient & Cost-Effective Gel Extraction Kit. International Research Innovation Symposium and Exhibition (RISE) 2021. Universiti Tun Hussein Onn Malaysia (UTHM)</p> <p>GOLD Medal: Normala Abd Latip, Nurliana Abd Mutalib, Akmal Arif Daud. BandPure, an Efficient & Cost-Effective Gel Extraction Kit. Invention, Innovation & Design Exposition (IIDEX) 2020. UiTM</p> <p>GOLD Medal: Normala Abd Latip, Nurliana Abd Mutalib, Mohamad Jemain Mohamad Ridhwan, Mohd Hadzrul Hisyam Abdul Manaf. +MidPURE: An Efficient, Cost-Effective Plasmid Prep. Invention, Innovation & Design Exposition (IIDEX) 2019. UiTM</p> <p>GOLD Medal: Aisyah Hasyila Jahidin, Ahmed Mahmoud Ahmed Alafify, Lim Siong Meng, Normala Abd Latip, Hasseri Halim, Nur Syamimi Ariffin. MOOC: Cancer Chemotherapeutics. The Virtual International e-Content Development Competition (eConDev) 2021. UiTM</p> <p>GOLD Medal: Aisyah Hasyila Jahidin, Ahmed Mahmoud Ahmed Alafify, Lim Siong Meng, Normala Abd Latip, Hasseri Halim, Nur Syamimi Ariffin. MOOC: Cancer Chemotherapeutics. Teaching and Learning Poster Ideas (TALPI) 2021. UiTM & Universitas Terbuka, Indonesia</p>
12	INVOLVEMENT IN PROFESSIONAL	European Association for Cancer Research (EACR) (2009 - current)

	<p>ORGANISATIONS</p>	<p>Malaysian Association for Cancer Research (MACR) (2019 - 2022)</p> <p>Biochemical Society (2021 - current)</p> <p>Malaysian Society for Biochemistry and Molecular Biology (2022)</p>
<p>13</p>	<p>PARTICIPATION IN CONTINUING EDUCATION</p>	<p>Speaker/ Presenter <i>Aplikasi - Aplikasi di e-Platform Digital bagi Bahan Penulisan dan Penerbitan Sainifik, Seminar dan Bengkel Penulisan & Penerbitan Sainifik, 28 – 30 Jun 2022. Nuklear Malaysia (MOSTI)</i></p> <p><i>Metabolism-Based Drug-Drug Interactions. Research Webinar Series 2.0. 17 Aug 2022. ReNeU, Pejabat Timbalan Naib Canselor (P&I), UiTM</i></p> <p><i>Bringing LIGHT to CHAOS: Introduction to Immunofluorescence STAINING. Virtual Knowledge Sharing Session: Basic Confocal for Biologist, 17 Aug 2022. iMAGE, Faculty of Pharmacy, UiTM</i></p> <p><i>Cabaran Penulisan Sainitifk Alaf Baru : Seni Bercerita ilmiah. Seminar dan Bengkel Penulisan & Penerbitan Sainifik, 29 Jun – 1 Jul 2021. Nuklear Malaysia (MOSTI)</i></p> <p><i>Science@Social Media. Centre for Drug Research Journal Club. 18s Oct 2019. Centre for Drug Research, Universiti Sains Malaysia (USM).</i></p> <p><i>Advance Techniques in Fluorescence Microscopy. Basic Cell Culture and Imaging. 15-18 Oct 2018. Institute of Medical Molecular Technology (IMMB), Faculty of Medicine, UiTM</i></p> <p><i>Cerita Viral: Pembuktian Sains Kepada Umum. Bengkel Sains Kewartawanan: Penulisan Maklumat Sains Secara Sulit dan Mudah. 20 Feb 2018. Fakulti Sains Kesihatan, Universiti Kebangsaan Malaysia (UKM)</i></p> <p><i>Panel, Forum Vaksin: Manfaat Atau Mudarat? 6 Aug 2019. UCS, UiTM.</i></p>

		<p>Conference & Training:</p> <p>Presenter / Fasilitator: ic-PHIR2023 Workshop (Cytotoxicity & Cell Culture), 26-30 Aug 2022. iPROMISE, UiTM.</p> <p>Participant: NMR Training & Quantitative Analysis By Bruker. 6-13 Mar 2019. AuRINS, UiTM.</p> <p>Presenter: International Conference on Advance Pharmaceutical Research (ICAPH 2019). Rangsit University, Thailand.</p> <p>Committee: Chromatography & Chromatography Workshop. 18-21 Sep 2019. AuRINS, UiTM.</p> <p>Committee: NMR Camp: Structural Elucidation Technique. 8-10 May 2018. AuRINS, UiTM.</p>
14	COMMUNITY SERVICES	<p>Persatuan Sahabat Sains Malaysia (Registered NGO (ROS): PPM-008-14-08122020)</p> <p>President (2023 -2024) Vice President (2018 - 2022)</p> <p>Ini Sains Beb! (Community Page on Facebook, Instagram, Twitter to promote STEM and scientific knowledge in Bahasa Melayu)</p> <p>Content writer (2018 – current)</p>