

<b>PROFILE</b>		
<b>1</b>	<b>NAME</b>	Mizatun binti Hazizul Hasan (Dr.)
<b>2</b>	<b>ACADEMIC POSITION</b>	Associate Professor in Pharmacology
<b>3</b>	<b>STATUS OF APPOINTMENT</b>	Permanent
<b>4</b>	<b>CITIZENSHIP</b>	Malaysian
<b>5</b>	<b>EDUCATION</b>	PhD (Pharmacy), Universiti Kebangsaan Malaysia – 2006; Bachelor of Science (Hons) (Biochemistry), University Malaya – 1998.
<b>6</b>	<b>WORKING EXPERIENCE</b>	<ul style="list-style-type: none"> <li>● Associate Professor (DM54) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 1 Mar 2017- Present</li> <li>● Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 19 Jul 2007-28 Feb2017</li> <li>● Head of Research Initiative Group, Group for Affinity, Safety and Efficacy Studies (OASES): 2021 – current, UiTM</li> <li>● Deputy Dean (Research &amp; Innovation): Dec 2017 – Jun 2020, Faculty of Pharmacy, UiTM</li> <li>● Deputy Dean (Research &amp; Industry Linkages): Apr 2014 –Nov 2017, Faculty of Pharmacy, UiTM</li> <li>● Deputy Dean (Academic &amp; Quality): Jan 2011 – Mar 2014, Faculty of Pharmacy, UiTM</li> <li>● Deputy Dean (Research &amp; Industry Linkages): Feb 2010 – Dec 2010, Faculty of Pharmacy, UiTM</li> </ul>
<b>7</b>	<b>CURRENT ACADEMIC RESPONSIBILITIES</b>	<ul style="list-style-type: none"> <li>● <b>Resource Person:</b> Drugs Affecting Cardiovascular System (PHC615)</li> <li>● <b>Teaching Courses:</b> Drugs Affecting Central Nervous System (PHC562), Drugs Affecting Cardiovascular System (PHC615), Toxicology (PHC630), Pharmacology of Cancer Chemotherapeutics (PHC636), Research Proposal (PHC610), Research Project (PHC632)</li> </ul>
<b>8</b>	<b>RESEARCH INTERESTS/ PROJECTS</b>	<ul style="list-style-type: none"> <li>● Pharmacological activities and safety of natural and synthetic compounds,</li> <li>● Toxicity profiling of natural products,</li> <li>● Development of natural products in managing inflammation-related diseases (cancer, diabetes,</li> </ul>

		hypercholesterolemia etc.), ● Network pharmacology for natural products.
9	PUBLICATIONS	<p>2019-2023</p> <p><b>Journal article</b> Selected Publications (Indexed Scopus/ WoS)</p> <ol style="list-style-type: none"> <li>1. Mohammad Suhaidi Shaari, Mohd Shahezwan Abd Wahab, Izzati Abdul Halim Zaki, Rosmaliah Alias, Muhammad Harith Zulkifli, Aida Azlina Ali, Nur Wahida Zulkifli, Farhana Fakhira Ismail, <b>Mizatun Hazizul Hasan</b>, Rulia Meilina, Long Chiau Ming, Ching Siang Tan (2023). Development and pilot testing of a booklet concerning medications that can increase the risk of falls in older people. <i>International Journal of Environmental Research and Public Health</i>. 20 (1), 404. Scopus-indexed</li> <li>2. <b>MH Hasan</b>, GAE Moustafa (2022). Impact of COVID-19 lockdown on sleep quality of pharmacy students in UiTM Puncak Alam. <i>Saudi Pharmaceutical Journal</i>, 30(10):1521-1526. doi: 10.1016/j.jsps.2022.07.009</li> <li>3. Ghafari, AT, Jahidin, AH, Zakaria, Y, <b>Hasan, MH</b> (2022). Anti-Inflammatory effects of Vitex trifolia leaves hydroalcoholic extract against hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>)- and lipopolysaccharide (LPS)-induced RAW 264.7 cells. <i>Malaysian Applied Biology</i> 51 (4), 185-20</li> <li>4. Hanish Singh Jayasingh Chellammal, <b>Mizatun Hazizul Hasan</b>, Rahul P Kshirsagar, Vamshi Krishna Reddy Musukula, Dhani Ramachandran, Prakash V Diwan. (2022) Metformin inhibits cardiometabolic syndrome associated cognitive deficits in high fat diet rats. <i>Journal of Diabetes &amp; Metabolic Disorders</i>. <a href="https://doi.org/10.1007/s40200-022-01074-4">https://doi.org/10.1007/s40200-022-01074-4</a></li> <li>5. Ghafari, A.T., Jahidin, A. H., Zakaria, Y., and <b>Hasan, M. H.</b> (2021). Vitex trifolia's molecular anti-inflammatory effect: a review. <i>Science, Engineering and Health Studies</i>, 15, 21010006.</li> <li>6. Mustafa, M. F., Ramasamy, K., Jaafar, N., <b>Hazizul Hasan, M.</b>, Ramli, N. A., Suratman, S., &amp; Adam, A. (2021). In-Situ Film-Forming Solution For Topical Application Of Terbinafine Hcl: biopharmaceutical evaluation and in-vivo antifungal performance using animal model. <i>International Journal of Applied Pharmaceutics</i>, 13(6). <a href="https://doi.org/10.22159/ijap.2021v13i6.42589">https://doi.org/10.22159/ijap.2021v13i6.42589</a>.</li> <li>7. Sediqi N, Jahidin A. H, <b>Hasan M. H</b>, Zakaria Y. (2021). Two-Pore Channels in Cancer Hallmarks: An Update Review. <i>Biomedical and Pharmacology Journal</i>, 14(3).</li> <li>8. <b>Hazizul Hasan, M.</b>, Zakaria, H., Abdul Wahab, I., Ponto, T., &amp; Adam, A. (2021). Myrmecodia platytyrea Methanol Tuber Extract Ameliorates Hyperglycemia In STZ- Induced Diabetic Sprague-Dawley Male Rats. <i>Indonesian</i></li> </ol>

Journal of Pharmacy, 32(3), 338-348.  
<https://doi.org/10.22146/ijp.880>.

9. Ghafari, A. T., Jahidin, A. H., Zakaria, Y., & **Hasan, M. H.** (2021). Phytochemical Screening and High-performance Thin-layer Chromatography Quantification of *Vitex trifolia* Leaves Hydro-alcoholic Extract: Potential Anti-inflammatory Properties. *Journal of Pharmaceutical Research International*, 33(28A), 111-121.  
<https://doi.org/10.9734/jpri/2021/v33i28A31515>
10. Mohamed, A.S., Akim, A.M., Ramasamy, K., **Hasan, M.H.**, Eshak, Z. (2021). Histopathologic changes in liver and kidney tissue from chronic unpredictable mild stress-induced stress-depression male Sprague-Dawley rats supplemented with acacia honey. *Malaysian Journal of Microscopy*, 17(1): 21-32.
11. Singh JCH, Menon VVB, **Hasan MH**, Azil A, Suhaimi MTB, Pavithiraa C, et al. Neuropharmacological studies of ethanolic extract of *Vaccinium corymbosum* on Alzheimer's type dementia and catatonia in Swiss albino mice. *J Herbmed Pharmacol*. 2021;10(2):241-248. doi: 10.34172/jhp.2021.27.
12. Khaled A A Alkadi, Kamran Ashraf, Aishah Adam, Syed Adnan Ali Shah, Muhammad Taha, **Mizatun Hazizul Hasan**, Cinimathew John, Razali Mohamed Salleh, Wasim Ahmad (2020). In vitro cytotoxicity and anti-inflammatory cytokine activity study of three isolated novel compounds of *Prismatomeris glabra*  
DOI:10.4103/jpbs.JPBS\_279\_19.
13. Hatem A Abuelizz, EH Anouar, M Marzouk, **MH Hasan**, SR Saleh, A Ahudhaif, KA Alburikan, R Al-Salah (2020). Evaluation of Cytotoxic and Tyrosinase Inhibitory Activities of 2-phenoxy (thiomethyl) pyridotriazolopyrimidines: In Vitro and Molecular Docking Studies. *Anti-cancer Agents in Medicinal Chemistry*, 20(14): 1714-721.  
DOI: 10.2174/1871520620666200627212128.

**Postgraduate Thesis (Main supervisor)**

Saleh, SR. Characterization of the anti-inflammatory and antinociceptive activities of *Erythroxylum cuneatum* (Miq.) Kurz, [PhD Thesis], Puncak Alam: UiTM. 2018

Mohd Zain, M. Safety and metabolomics study of *Myrmecodia platytyrea* tuber aqueous extract as an alternative immunomodulator in acute inflammation reaction, [PhD Thesis], Puncak Alam: UiTM. 2019

Zakaria, H. Antidiabetic potential of *Myrmecodia platytyrea* methanolic extract, [PhD Thesis], Puncak Alam: UiTM. 2019

		<p>Ibrahim, N. Antitumor activity of <i>Myrmecodia platytyrea</i> methanolic tuber extract on hepatocellular carcinoma, PhD (Biochemistry), UiTM. 2023</p> <p>Al Harasstani, OAH. Synergism of selected phytochemicals and current inflammatory bowel disease treatment in models of colitis, [PhD Thesis], Puncak Alam: UiTM. 2023</p> <p>Mahamood, M. Molecular mechanisms of tocotrienol and vitamin C in combating oxidative stress in Down Syndrome, [PhD Thesis], Puncak Alam: UiTM. 2023</p> <p>Zamani, MS. Mechanisms of apoptosis: Comparison of pure polyphenols with novel synthetic stilbene, [MSc Thesis], Puncak Alam: UiTM. 2018</p> <p>Nordin, NA. Neuroprotective effect of <i>Myrmecodia platytyrea</i> against LPS-induced neuroinflammation. [MSc Thesis], Puncak Alam: UiTM 2019</p> <p>Mat Derawi, S. Determination of Wound Healing Effects of Ethanolic Leaves Extract of <i>Mikania micrantha</i>. [MSc Thesis], Puncak Alam: UiTM. 2020</p> <p>Ghafari, AT. Evaluation of the synergistic anti-inflammatory effects of aqueous extract of <i>Vitex trifolia</i> leaves with some common non-steroidal anti-inflammatory drugs, in vitro and in silico. [MSc Thesis], Puncak Alam: UiTM. 2022</p>
<p><b>10</b></p>	<p><b>RESEARCH GRANTS</b></p>	<p>2019-2023</p> <p>Deciphering modulation of anti-inflammatory and antioxidative morindolide on the crosstalk between MEK1/JNK/NF-<math>\kappa</math>B/iNOS and Nrf2/HO-1 Pathways. FRGS. MOHE. 1 Sep 2022-31 Aug 2024. RM 153, 000. Principal Researcher</p> <p>Unravelling the synergism between casticin with non-steroidal anti-inflammatory drugs (NSAIDs) on NF-KB signaling pathway RM 30, 000. DUCS-P. UiTM. 1 Jul 2022-30 Jun 2024. Principal Researcher</p> <p>Development of aqueous extract of <i>Myrmecodia platytyrea</i> tuber in modulating inflammation. GIP. UiTM. RM 20, 000. 1 Apr 2021-31 Mar 2022. Principal Researcher</p> <p>Insights into the role of endolysosomal calcium-signalling in epithelial-to-mesenchymal transition, autophagy and chemosensitivity of colorectal cancer. FRGS. MOHE. 1 Oct 2023-31 Sep 2026. RM 177, 886. Co Researcher</p> <p>The molecular interplay between the microRNA-130s and cytokines with the expression and metabolic activity of drug metabolising enzymes. FRGS. MOHE. 1 Oct 2023-31 Sep 2026. RM 173, 000. Co Researcher</p> <p>Elucidation of the neuroimmune and neuroendocrine regulation of fisetin against Alzheimer's disease through hypothalamic-</p>

		<p>pituitary-adrenal axis and Nrf-2 linked bidirectional pathways. FRGS. MOHE. 1 Sep 2022-31 Aug 2024. RM 129, 100. Co Researcher</p> <p>Modelling of adverse drug reactions related to polypharmacy in tuberculosis using predictive deep learning algorithm. FRGS. MOHE. 7 Sep 2020-6 Sep 2024. RM 100, 000. Co Researcher</p>
<p><b>11 AWARDS</b></p>		<p>2019-2023</p> <p><b>International/ National</b></p> <ol style="list-style-type: none"> <li><b>Bronze Award.</b> Sarimah Mat Naw, Nurhafizah Ibrahim, Nurkahirul Bariyah Baharun. <b>Mizatun Hazizul Hasan</b>, Tommy Julianto Effendi Bustami. Mikania Wound Care Set. PECIPTA 2019.</li> </ol> <p><b>UiTM</b></p> <ol style="list-style-type: none"> <li><b>Silver Award.</b> MOOC: Toxicology. Fazlin Mohd Fauzi, Lim Siong Meng, <b>Mizatun Hazizul Hasan</b>, Nur Syamimi Ariffin. The International E-Content Development Competition 2023 (eCONDEV 2023) 22- 24 August 2023 Via Online</li> <li><b>Diamond Award</b> (Academician/ Postgraduate). Nurshahidah Yusni, Lutfia Ilsaahida Abdul Malik, Yuslina Zakaria, Aisyah Hasyila Jahidin, <b>Mizatun Hazizul Hasan</b>, Tommy Julianto Effendi Bustami. MyrmeCare: Natural &amp; Powerful Anti-Inflammatory Booster. PHARM – IIDEx 2023, 16 August 2023, Faculty of Pharmacy, UiTM, Puncak Alam.</li> <li><b>Diamond Award</b> (Non-Academician). Nurul Farhanah Misripin, Mizatun Hazizul Hasan, Maziana Mahamood, Nur Fathiah Mohd Radzi. PureClay™ Taharah Soap. PHARM – IIDEx 2023, 16 August 2023, Faculty of Pharmacy, UiTM, Puncak Alam.</li> <li><b>Gold Award</b> (Academician/ Postgraduate). Ravi Sheshala, <b>Mizatun Hazizul Hasan</b>, Hanish Singh Jayasingh Chellammal, Aisyah Jaafar, Muhammad Amal Zulkipli. HAIL-P: The Herbal Anti-Inflammatory Lyophilised Powder. PHARM – IIDEx 2023, 16 August 2023, Faculty of Pharmacy, UiTM, Puncak Alam.</li> <li><b>Bronze Award</b> (Academician/ Postgraduate). Wan Azman Wan Ismail, Rifqa Danisha Ramlan, Nor Amlizan Ramli, Muhammad ‘Izzuddin Zamery, Haslawati Baharuddin, <b>Mizatun Hazizul Hasan</b>. PLECOLLAGEN: Unveiling Nature's Treasure; Suckermouth Catfish Collagen - From Menace to Marvel. PHARM – IIDEx 2023, 16 August 2023, Faculty of Pharmacy, UiTM, Puncak Alam.</li> <li><b>Silver Award</b> (Young). Noor Ainnilwahida Binti Alias, Maryati Md Dasor, Saraswathy Devi Sinniah, Mohamed</li> </ol>

		<p>Ibrahim Abu Hassan, Nornizar Anuar, Siti Nurul'ain Yusop, <b>Mizaton Hazizul Hasan</b>, Nor Amlizan Ramli. Efficacy of the Calcium Chloride Surface-Treated Orthodontic Mini Implant. IIDentEX2023 11-12 June 2023, Bangi Resort Hotel, Bandar Baru Bangi.</p> <p>7. <b>Silver Award.</b> Hanish Singh Jayasingh Chellammal, <b>Mizaton Hazizul Hasan</b> Neuroendocrine effects of <i>Vaccinium corymbosum</i> on amyloid-beta peptide-induced amnesia in mice; Cogniberry. Invention, Innovation &amp; Design Exposition (iidex2021), 11-15 October 2021, Virtual Platform.</p> <p>8. <b>Silver Award.</b> Nurul Farhanah Misripin, <b>Mizaton Hazizul Hasan</b> Hizwan Nizam Abd Rahman Muhammad Fadzli Kamarudin, Mohd Alimukhti Mansor. iLISS: Laboratory Integrated Site System. Invention, Innovation &amp; Design Exposition (iidex2021), 11-15 October 2021, Virtual Platform.</p> <p>9. <b>Gold Award</b> (Innovation: Postgraduate). Ahmad Tamim Ghafari, Aisyah Hasyila Jahidin, Yuslina Zakaria. <b>Mizaton Hazizul Hasan</b>, Tommy Julianto Effendi Bustami. ViNSAID. Invention, Innovation &amp; Design Exposition (iidex2021), 5 November 2021, Virtual Platform.</p> <p>10. <b>Silver Award</b> (Invention: Inventor Category). <b>Mizaton Hazizul Hasan</b>, Aisyah Hasyila Jahidin, Yuslina Zakaria, Tommy Julianto Bustami Effendi, Maziana Mahamood. Vitex Pain Away Chewable Tablet, Invention, Innovation &amp; Design Exposition (iidex2020), 4 November 2020, Virtual Platform.</p> <p>11. <b>Diamond Award</b> (Innovation: Postgraduate). Sarimah Mat Nawi, Nurhafizah Ibrahim, Nurkahirul Bariyah Baharun. <b>Mizaton Hazizul Hasan</b>, Tommy Julianto Effendi Bustami. Mikania Wound Care Set. Invention, Innovation &amp; Design Exposition (iidex2019), 10-15 September 2019, DATC, UiTM, Shah Alam.</p> <p>12. <b>Gold Award</b> (Innovation: Postgraduate). Sarimah Mat Nawi, Nurhafizah Ibrahim, Nurkahirul Bariyah Baharun. <b>Mizaton Hazizul Hasan</b>, Tommy Julianto Effendi Bustami. Mikania Wound Care Set. Invention, Innovation &amp; Design Exposition (iidex2019), 10-15 September 2019, DATC, UiTM, Shah Alam.</p> <p>13. <b>Gold Award</b> (Invention: Inventor Category). Aisyah Hasyila Jahidin, Yuslina Zakaria, Tommy Julianto Bustami Effendi, <b>Mizaton Hazizul Hasan</b>. V Nest, Invention, Innovation &amp; Design Exposition (iidex2019), 10-15 September 2019, DATC, UiTM, Shah Alam.</p> <p>14. <b>Gold Award</b> (Invention: Inventor Category). Maziana Mahamood, Aishah Adam, Norhaziyah Mahamood, <b>Mizaton Hazizul Hasan</b>, Mohd Alimukhti Mansor. Hairsome Hairspray. Invention, Innovation &amp; Design</p>
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		<p>Exposition (iidex2019), 10-15 September 2019, DATC, UiTM, Shah Alam.</p> <p>15. <b>Silver Award</b> (Invention: Inventor Category). Norhayati Mohd Zain, Mohd Alimukhti Mansor, Fairros Abd Hamid, Tiniati Ahmad, <b>Mizatun Hazizul Hasan</b>. Hairsome Hairspray. Invention, Innovation &amp; Design Exposition (iidex2019), 10-15 September 2019, DATC, UiTM, Shah Alam.</p>
12	<b>INVOLVEMENT IN PROFESSIONAL ORGANISATIONS</b>	<p>Member, Malaysian Natural Product Society 2012-present  Member, Malaysian Society of Toxicology 2013-present  Member, International Union of International Union of Toxicology 2013-present  Associate Member, Malaysian Pharmaceutical Society 2016-2020  Member, Malaysian Society of Physiology &amp; Pharmacology 2021-present  Associate Member, Majlis Profesor Negara 2022-present</p>
13	<b>PARTICIPATION IN CONTINUING EDUCATION</b>	<p>2019-2023</p> <p>Conferences:</p> <ul style="list-style-type: none"> <li>• Invited Speaker, Expert Lecture: Benefits &amp; Recent Development of Herbal Medicine in Malaysia Universitas PGRI Adibuana Surabaya, 2023, Surabaya, Indonesia</li> <li>• Invited Speaker, Virtual 3rd International Research Network Initiative (IRNI) Symposium, 2023, UiTM, Malaysia</li> <li>• Invited Speaker, International Webinar: The prospects of natural compounds for cancer therapy, 2022, University Pakuan, Indonesia</li> <li>• Poster Presenter, International Conference on Post Covid Healthcare, Medical Research and Education, 2022, UiTM, Malaysia</li> <li>• Invited Speaker, International Webinar on Cancer, 2021, Cell Biology Centre for Research in Infectious Diseases and Biotechnology (CERIDB), Faculty of Medicine, Universiti Sultan Zainal Abidin, Malaysia</li> <li>• Participant, International Research Conference on Pharmaceutical and Allied Sciences (RICPAS 2.0), 2023, UCSI, Malaysia</li> <li>• Poster Presenter, MSPP 34th Scientific Meeting 2021, Monash University &amp; Malaysia Society of Pharmacology &amp; Physiology, 2021, Malaysia</li> <li>• Participant, ICDDTM'21 Microbiome-based Therapies</li> </ul>

		<p>E-Symposium, 2021</p> <ul style="list-style-type: none"> <li>• Participant. IBRO-APRC 2021: Mini Symposium, 2021, UiTM</li> <li>• Poster Presenter, 1st JOPPP Conference on Pharmaceutical Policy and Practice &amp; 4th Asian Conference on Pharmaceutical Sciences. 2019, Shah Alam, Malaysia</li> </ul> <p>Courses:</p> <ul style="list-style-type: none"> <li>• Participant, AI Tools for Academic Writing, 2023, UiTM</li> <li>• Participant, CRISPR/Cas9 Genome Editing Workshop, 2023, UiTM</li> <li>• Participant Basic of Image Processing and Analysis with Image-J, 2023, UiTM</li> <li>• Participant, COVID-19 VACCINE IN THAILAND and the role of Laboratory Animals: Learn from Experiences, 2021, Chulalongkorn University, Thailand</li> <li>• Participant, Developing Organization Talent, 2020, UiTM</li> <li>• Participant, Successfully Managing People to Higher Performance, 2020, UiTM</li> <li>• Participant PBL Development Workshop, 2020, FF</li> </ul>
14	<b>COMMUNITY SERVICES</b>	<p>2019-2023</p> <ul style="list-style-type: none"> <li>• Head of Program, Program Jom Sains, Faculty of Pharmacy, UiTM, 2023, UiTM</li> <li>• Member, Program Peiajar Angkat Sekolah Kebangsaan Puncak Alam (2), 2020-current, SKPA(2)</li> <li>• Head of Program, Pembuatan hand sanitizer untuk Pusat Kesihatan UiTM, 2020, UiTM</li> <li>• Volunteer, Program Agihan Pek Sumbangan Ramadhan, Pertubuhan Sukarelawan Misi17, 2019, Seri Kembangan, Malaysia.</li> <li>• Advisor, Inovasi Clove Anti-Smoking Candy bersama SMK Puncak Alam 3, 2019, SMKPA(3)</li> <li>• VIP, Majlis Graduasi SMK Puncak Alam 3. 2019, SMKPA(3)</li> <li>• Head of Program, Program Jom Sains Farmasi, Faculty of Pharmacy, 2018-2019, UiTM</li> </ul>