

PROFILE		
1	NAME	Lim Siong Meng
2	ACADEMIC POSITION	Associate Professor
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	PhD (Medicine); University of New South Wales, Australia; Ministry of Higher Education (MOHE) Scholarship; 2008 – 2013 MSc (Oncology); University of Nottingham, UK; Joint Chevening Scholarship; 2002 – 2003 BSc (Biomedical Sciences); Universiti Putra Malaysia; 1999 – 2002
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> • Associate Professor (DM54), Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam Campus, Selangor Branch, 11 November 2019 - present • Senior Lecturer (DM52), Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam Campus, Selangor Branch, 1 March 2013 – 10 November 2019 • Lecturer (DM45), Faculty of Pharmacy, Universiti Teknologi MARA, Shah Alam Campus, 1 March 2005 – 28 February 2013
7	CURRENT ACADEMIC RESPONSIBILITIES	<p>Master of Science DCM701: Core Medical and Oral Sciences (Pharmacology)</p> <p>Bachelor of Dental Surgery DFM401: Foundation of Medical Sciences (Pharmacology)</p> <p>BPharm</p> <ul style="list-style-type: none"> • PHC427: Principles of Pharmacology & Medicinal Chemistry • PHC452: Peripheral Nervous System & Pharmacotherapeutics • PHC461: Principles of Pharmacology • PHC472: Infectious Diseases & Pharmacotherapeutics • PHC502: Respiratory & Renal Systems & Pharmacotherapeutics • PHC503: Cardiovascular System & Pharmacotherapeutics • PHC527/ PHC630: Toxicology • PHC553: Cancer Chemotherapeutics • PHC566/ PHC610: Research I • PHC567/ PHC632: Research II • PHC615: Pharmacology of Drugs Affecting Cardiovascular System • PHC634: Pharmacology of Anti-Infective Agents • PHC636: Pharmacology of Cancer Chemotherapeutics
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> • Functional food (probiotics and their beneficial effects) • Drug discovery (anti-angiogenic, anticancer, antimicrobial and neuroprotective agents, nutraceuticals) • Therapeutic targets (cancer, Alzheimer's disease and Parkinson's disease,

		metabolic diseases)
9	PUBLICATIONS	<p>WOS/ SCOPUS-INDEXED JOURNALS (2019 – 2023) Google Scholar: H-Index = 27; Citations = 2,165 https://scholar.google.com/citations?user=Dj9HBjUAAAAJ&hl=en</p> <p>Scopus: H-Index = 21; Citations = 1,452 https://www.scopus.com/authid/detail.uri?origin=cto&authorId=57194562137&zone=&origin=cto</p> <p>Web of Science: H-Index = 20; Citations = 1,231 https://www.webofscience.com/wos/author/record/1-5697-2015</p> <p>Note: Quartile (Q) is ranked by Journal Impact Factor</p> <ol style="list-style-type: none"> 1. Siti Hajar Rehiman, Siong Meng Lim*, Maw Pin Tan, Hui Min Khor, Suzana Shahar, Abu Bakar Abdul Majeed, Kalavathy Ramasamy (2023) Revisiting scientific research amidst the unexpected COVID-19 pandemic: sustenance, resumption and recommendations. <i>Malaysian Journal of Medicine and Health Sciences</i> (Accepted/ Scopus/ *Joint First Authorship/ Q4) 2. Ismail M. Fareez, Siong Meng Lim, Fei Tieng Lim and Kalavathy Ramasamy (2023) <i>In Vitro</i> and <i>In Vivo</i> Characterization of <i>Lactiplantibacillus plantarum</i> LAB12 in Pea Protein-Alginate Microcapsules. <i>Probiotics and Antimicrobial Proteins</i> (In Press/ IF = 4.9/ WoS/ Q1) 3. Nor Amalina Ahmad Alwi, Siong Meng Lim*, Vasudevan Mani and Kalavathy Ramasamy (2023) <i>Lactobacillus</i> Spp.-Enhanced Memory is Strain-Dependent and Associated, in Part, with Amyloidogenic and anti-Oxidant/Oxidative Stress Interplay in Amyloid Beta Precursor Protein Transgenic Mice. <i>Journal of Dietary Supplements</i>, 20(5), 717-734 (IF = 2.5/ WoS/ Scopus/ *Joint First Authorship/ Q3) 4. Ismail Muhamad Fareez, Nazmul Haque, Nisreen Mohammed Al-Namnam, Wu Yuan Seng, Aazmi Shafiq, Mohamad Izwan Ismail, Lim Siong Meng, Kalavathy Ramasamy (2023) Dysbiosis and the Chemopreventive Role of Probiotics in Colorectal Cancer. <i>Journal of Applied Biotechnology Reports</i>, 10(2), 943-957 (Scopus/ Q3) 5. Ravi Sheshala, Ng Zing Wai, Iqbal Danial Said, Kamran Ashraf, Siong Meng Lim and Kalavathy Ramasamy, Farrukh Zeeshan (2022) Poloxamer and Chitosan-based In Situ Gels Loaded with <i>Orthosiphon stamineus</i> Extracts Containing Rosmarinic Acid for the Treatment of Ocular Infections. <i>Turkish Journal of Pharmaceutical Sciences</i>, 19(6), 671-680 (IF = 1.7/ WoS/ Scopus/ Q3) 6. Mohammad Humayoon Amini, Kamran Ashraf, Siong Meng Lim, Kalavathy Ramasamy, Nurhuda Manshoor, Amerul Afiq and Fatimah Salim (2022) Phytochemical profiling, removal of salt impurities from crude extracts and <i>in vitro</i> antibacterial evaluation of leaves, twigs and flowers extracts of <i>Calotropis procera</i>. <i>South African Journal of Botany</i>, 151 (Part B), 367-378 (IF = 3.1/ WoS/ Q2) 7. Ismail M. Fareez, Siong Meng Lim and Kalavathy Ramasamy (2022) Chemoprevention by Microencapsulated <i>Lactiplantibacillus plantarum</i>

		<p>LAB12 against Orthotopic Colorectal Cancer Mice is Associated with Apoptosis and Anti-angiogenesis. <i>Probiotics and Antimicrobial Proteins</i>, DOI: 10.1007/s12602-022-10020-y (IF = 4.9/ WoS/ Q1)</p> <p>8. Ramli Muhammad Zaki, Kalavathy Ramasamy, Nor Amalina Ahmad Alwi, Rosmadi Mohd Yusoff and Siong Meng Lim (2022) <i>Pediococcus pentosaceus</i> LAB6- and <i>Lactiplantibacillus plantarum</i> LAB12-derived Cell Free Supernatant Inhibited RhoA Activation and Reduced Amyloid-B <i>In Vitro</i>. <i>Probiotics and Antimicrobial Proteins</i>, DOI: 10.1007/s12602-022-10009-7 (IF = 4.9/ WoS/ Q1)</p> <p>9. Yuganthini Vijayanathan, Naemah Md Hamzah, Siong Meng Lim, Fei Ting Lim, Maw Pin Tan, Abu Bakar Abdul Majeed, Kalavathy Ramasamy (2022) Newly regenerated dopaminergic neurons in 6-OHDA-lesioned adult zebrafish brain proliferate in the olfactory bulb and telencephalon, but migrate to, differentiate and mature in the diencephalon. <i>Brain Research Bulletin</i>, 190, 218-233 (IF = 3.8/ WoS/ Q2)</p> <p>10. Nur Hannah Rashidah, Siong Meng Lim*, Chin Fen Neoh, Abu Bakar Abdul Majeed, Maw Pin Tan, Hui Min Khor, Ai Huey Tan, Siti Hajar Rehiman, Kalavathy Ramasamy (2022) Differential gut microbiota and intestinal permeability between frail and healthy older adults: A systematic review. <i>Ageing Research Reviews</i>, 82, 101744. DOI: 10.1016/j.arr.2022.101744 (IF = 13.1/ WoS/ *Joint First Authorship/ Q1/ Top 2% JIF Percentile)</p> <p>11. Siti Hajar Rehiman, Siong Meng Lim, Fei Tieng Lim, Ai-Vyryn Chin, Maw Pin Tan, Shahrul Bahyah Kamaruzzaman, Kalavathy Ramasamy and Abu Bakar Abdul Majeed (2022) Fibrinogen isoforms as potential blood-based biomarkers of Alzheimer's disease using a proteomics approach. <i>The International Journal of Neuroscience</i>, 132(10), 1014-1025 (IF = 2.2/ WoS/ Q4)</p> <p>12. Faezah Sabirin, Siong Meng Lim, Chin Fen Neoh and Kalavathy Ramasamy (2022) Hepatoprotection of probiotics against non-alcoholic fatty liver disease <i>in vivo</i>: a systematic review. <i>Frontiers in Nutrition</i>, 9: 844374. doi: 10.3389/fnut.2022.844374 (IF = 5/ WoS/ Q2)</p> <p>13. Mani V, Mohd Azahan NS, Ramasamy K, Lim SM, Abdul Majeed AB. (2022) Mahanimbine Improved Aging-Related Memory Deficits in Mice through Enhanced Cholinergic Transmission and Suppressed Oxidative Stress, Amyloid Levels, and Neuroinflammation. <i>Brain Sciences</i>, 12(1),12. https://doi.org/10.3390/brainsci12010012 (IF = 3.3/ WoS/ Q3)</p> <p>14. Naemah Md Hamzah, Siong Meng Lim, Yuganthini Vijayanathan, Fei Tieng Lim, Abu Bakar Abdul Majeed, Maw Pin Tan, Kalavathy Ramasamy (2021) Locomotor Assessment of 6-Hydroxydopamine-induced Adult Zebrafish-based Parkinson's Disease Model. <i>JoVE</i>, 178, e63355. doi: 10.3791/63355 (IF = 1.424/ WoS/ Q3)</p> <p>15. Nur Syafiqah Rahim, Siong Meng Lim, Vasudevan Mani, Nurul Aqmar Mohamad Nor Hazalina, Abu Bakar Abdul Majeed and Kalavathy Ramasamy (2021) Virgin coconut oil-induced neuroprotection in lipopolysaccharide-challenged rats is mediated, in part, through cholinergic, anti-oxidative and anti-inflammatory pathways. <i>Journal of Dietary Supplements</i>, 18(6), 655-681 (WoS/ Scopus/ Q2)</p>
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16. Mohammad Humayoon Amini, Kamran Ashraf, Fatimah Salim, **Siong Meng Lim**, Kalavathy Ramasamy, Nurhuda Manshoor, Sadia Sultan and Wasim Ahmad (2021) Important insights from the antimicrobial activity of *Calotropis procera*. *Arabian Journal of Chemistry*, 14(7), 103181. <https://doi.org/10.1016/j.arabjc.2021.103181> (IF = 6.212/ WoS/ Q2)
17. Yuganthini Vijayanathan, **Siong Meng Lim**, Maw Pin Tan, Fei Ting Lim, Abu Bakar Abdul Majeed, Kalavathy Ramasamy (2021) Adult endogenous dopaminergic neuroregeneration against Parkinson's disease: ideal animal models? *Neurotoxicity Research*, 39(2), 504-532 (IF = 3.978/ WoS/ Q2)
18. Fatin Umirah, Chin Fen Neoh, Kalavathy Ramasamy, **Siong Meng Lim** (2021) Differential gut microbiota composition between type 2 diabetes mellitus patients and healthy controls: a systematic review. *Diabetes Research and Clinical Practice*, 173, 108689. <https://doi.org/10.1016/j.diabres.2021.108689> (IF = 8.180/ WoS/ Q1)
19. Han-Chung Lee, Hamizun Hamzah, Melody Pui-Yee Leong, Hadri Md Yusof, Omar Habib, Shahidee Zainal Abidin, Eryse Amira Seth, **Siong-Meng Lim**, Sharmili Vidyadaran, Mohamad Aris Mohd Moklas, Maizatun Atmadini Abdullah, Norshariza Nordin, Zurina Hassan, Pike-See Cheah and King-Hwa Ling (2021) Transient prenatal ruxolitinib treatment suppresses astrogenesis during development and improves learning and memory in adult mice. *Scientific Reports* 11(1), 3847. <https://doi.org/10.1038/s41598-021-83222-z> (IF = 4.996/ WoS/ Q2)
20. Mukesh Kumari, Sumit Tahlan, Balasubramanian Narasimhan, Kalavathy Ramasamy, **Siong Meng Lim**, Syed Adnan Ali Shah, Vasudevan Mani and Saloni Kakkar (2021) Synthesis and biological evaluation of heterocyclic 1,2,4-triazole scaffolds as promising pharmacological agents. *BMC Chemistry* 15, 5. <https://doi.org/10.1186/s13065-020-00717-y> (IF = 4.095/ WoS/ Q2)
21. **Siong Meng Lim**, Snezana Agatonovic-Kustrin, Fei Tieng Lim and Kalavathy Ramasamy (2021) High-performance thin layer chromatography-based phytochemical and bioactivity characterisation of anticancer endophytic fungal extracts derived from marine plants. *Journal of Pharmaceutical and Biomedical Analysis*, 193, 113702, DOI: 10.1016/j.jpba.2020.113702 (IF = 3.571/ WoS/ Q2)
22. Nurhanisah Sejari, Chin Fen Neoh, Kamaria Kamaruddin, Kalavathy Ramasamy, **Siong Meng Lim**, Faizah Safina Bakrin, Aman Shah Abdul Majid, Khairulanwar Husain, Khang Wen Goh, Bey Hing Goh, Long Chiau Ming and Siew Kuan Chua (2020) Testing feasibility of traditional Malay massage compared to relaxation for patients with non-specific low back pain: A pilot randomized-controlled trial. *European Journal of Integrative Medicine*, 40, 101217. DOI: 10.1016/j.eujim.2020.101217 (IF = 1.314/ WoS/ Q4)
23. Nurul Khaleeda Athiraah Hamdan, Qi Ying Lean, Chin Fen Neoh, Amir Heberd Abdullah, **Siong Meng Lim**, Kalavathy Ramasamy, Yaser Al-Worafi, Khang Wen Goh, Poh Hui Goh, Long Chiau Ming and Pei Lin Lua (2020) Knowledge and Perception of Facial Candles for Allergic Rhinitis among University Staff and Students. *Evidence-Based Complementary and Alternative Medicine*, 2020, 5713134, DOI: 10.1155/2020/5713134 (IF = 2.63/ WoS/ Q2)

24. Sumit Tahlan, Balasubramanian Narasimhan, **Siong Meng Lim**, Kalavathy Ramasamy, Vasudevan Mani and Syed Adnan Ali Shah (2020) Design, Synthesis, SAR Study, Antimicrobial and Anticancer Evaluation of Novel 2-Mercaptobenzimidazole Azomethine Derivatives. *Mini-Reviews in Medicinal Chemistry*, 20(15), 1559-1571 (IF = 3.862/ WoS/ Q2)
25. Mishra A, Tahlan S, Ramasamy K, **Lim SM**, Shah SAA, Narasimhan B (2020) Synthesis, Characterization, Antimicrobial and Anticancer Studies of Metal Complexes of 2-methoxy-4-((3-methylpyridin-2-ylimino)methyl)phenol. *Mini-Reviews in Medicinal Chemistry*, 20(13), 1311 – 1317 (IF = 3.862/ WoS/ Q2)
26. Siti Hajar Rehiman, **Siong Meng Lim**, Chin Fen Neoh, Abu Bakar Abdul Majeed, Ai-Vyryn Chin, Maw Pin Tan, Shahrul Bahyah Kamaruzzaman, Kalavathy Ramasamy (2020) Proteomics as a reliable approach for discovery of blood-based Alzheimer's disease biomarkers: a systematic review and meta-analysis. *Ageing Research Reviews*, 60, 1010166. DOI: 10.1016/j.arr.2020.101066 (IF = 10.895/ WoS/ Q1/ Top 5% JIF Percentile)
27. Nur Syamimi Mohd Azahan, Vasudevan Mani, Kalavathy Ramasamy, **Siong Meng Lim**, Richard Muhammad Johari James, Mansour Alsharidah, Ahmad Alhowail, Abu Bakar Abdul Majeed (2020) Mahanimbine-induced neuroprotection via cholinergic system and attenuated amyloidogenesis as well as neuroinflammation in lipopolysaccharides-induced mice. *Pharmacognosy Magazine*, 16 (68), S57-S63 (IF = 1.085/ WoS/ Q4)
28. Harmeet Kaur, **Siong Meng Lim**, Kalavathy Ramasamy, Mani Vasudevan, Syed Adnan Ali Shah, and Balasubramanian Narasimhan (2020) Diazenyl Schiff Bases: Synthesis, Spectral Analysis, Antimicrobial studies and Cytotoxic Activity on Human Colorectal Carcinoma Cell Line (HCT-116). *Arabian Journal of Chemistry*, 13 (1), 377-392 (IF = 5.165/ WoS/ Q2)
29. K. Ashraf, H. Halim, **S. M. Lim**, K. Ramasamy, S. Sultan (2020) *In vitro* antioxidant, antimicrobial and antiproliferative study of four different extracts of *Orthosiphon stamineus*, *Gynura procumbens* and *Ficus deltoidei*. *Saudi Journal of Biological Sciences*, 27(1), 417-432 (IF = 4.219/ WoS/ Q2)
30. Cristina Romero Rocamora, Kalavathy Ramasamy, **Siong Meng Lim**, Abu Bakar Abdul Majeed, Snezana Agatonovic-Kustrin (2020) HPTLC based approach for bioassay-guided evaluation of antidiabetic and neuroprotective effects of eight essential oils of the Lamiaceae family plants. *Journal of Pharmaceutical and Biomedical Analysis*, 178, 112909 DOI: 10.1016/j.jpba.2019.112909 (IF = 3.935/ WoS/ Q2)
31. Muhammad Taha, Sadia Sultan, Muhammad Herizal, M. Qaiser Fatmi, Manikandan Selvaraj, Kalavathy Ramasamy, Sobia Ahsan Halim, **Siong Meng Lim**, Fazal Rahim, Kamran Ashraf, Adeeb Shehzad (2019) Synthesis, anticancer, molecular docking and QSAR studies of benzoylhydrazone. *Journal of Saudi Chemical Society*, 23 (8), 1168-1179 (IF = 3.517/ WoS/ Q2)
32. Nur Syamimi Mohd Azahan, Vasudevan Mani, Kalavathy Ramasamy, **Siong Meng Lim**, Ahmad Alhowail, Sultan Sajid and Abu Bakar Abdul Majeed (2019) Neuroprotective Potential of Mahanimbine against Lipopolysaccharides (LPS)-Induced Neuronal Deficits on SK-N-SH Cells and Antioxidant Potentials in ICR Mice Brain. *Journal of Pharmaceutical Research International*, 31(2), 1-11 (WoS/ Scopus/ Q4)

33. Shinky Mehta, Sanjiv Kumar, Rakesh Kumar Marwaha, Balasubramanian Narasimhan, Kalavathy Ramasamy, **Siong Meng Lim**, Syed Adnan Ali Shah and Vasudevan Mani (2019) Synthesis, molecular docking and biological potentials of new 2-(4-(2-chloroacetyl) piperazin-1-yl)-N-(2-(4-chlorophenyl)-4-oxoquinazolin-3(4H)-yl)acetamide derivatives. *BMC Chemistry*,13:113 <https://doi.org/10.1186/s13065-019-0629-0> (IF = 2.493/ WoS/ Scopus/ Q2)
34. Sanjiv Kumar, Deepika Sharma, Balasubramanian Narasimhan, Kalavathy Ramasamy, Syed Adnan Ali Shah, **Siong Meng Lim**, Vasudevan Mani (2019) Computational approaches: discovery of GTPase HRas as prospective drug target for 1,3-diazine scaffolds. *BMC Chemistry*,13:96 <https://doi.org/10.1186/s13065-019-0613-8> (IF = 2.493/ WoS/ Scopus/ Q2)
35. Sumit Tahlan, Sanjiv Kumar, Kalavathy Ramasamy, **Siong Meng Lim**, Syed Adnan Ali Shah, Vasudevan Mani and Balasubramanian Narasimhan (2019) In-silico molecular design of heterocyclic benzimidazole scaffolds as prospective anticancer agents. *BMC Chemistry*, 13:90 <https://doi.org/10.1186/s13065-019-0608-5> (IF = 2.493/ WoS/ Scopus/ Q2)
36. Sanjiv Kumar, Archana Kaushik, Balasubramanian Narasimhan, Syed Adnan Ali Shah, **Siong Meng Lim**, Kalavathy Ramasamy and Vasudevan Mani (2019) Molecular docking, synthesis and biological significance of pyrimidine analogues as prospective antimicrobial and antiproliferative agents. *BMC Chemistry*, 13:85 <https://doi.org/10.1186/s13065-019-0601-z> (IF = 2.493/ WoS/ Scopus Q2)
37. Sumit Tahlan, Balasubramanian Narasimhan, **Siong Meng Lim**, Kalavathy Ramasamy, Vasudevan Mani, Syed Adnan Ali Shah (2019) 2-Mercaptobenzimidazole Schiff Bases: Design, Synthesis, Antimicrobial Studies and Anticancer Activity on HCT-116 Cell Line. *Mini-Reviews in Medicinal Chemistry*, 19(13), 1080-1092 (IF = 2.733/ WoS/ Q3)
38. Ismail M. Fareez, **Siong Meng Lim** and Kalavathy Ramasamy (2019) Microencapsulated *Lactobacillus plantarum* LAB12 showed no sign of acute or sub-chronic toxicity *in vivo*. *Probiotics and Antimicrobial Proteins*, 11(2), 447-459 (IF = 3.533/ WoS/ Q2)
39. Sanjiv Kumar, Balasubramanian Narasimhan, **Siong Meng Lim**, Kalavathy Ramasamy, Vasudevan Mani, Syed Adnan Ali Shah (2019) Design, Synthesis and Biological Potential of 5-(2-Amino-6-(3/4-bromophenyl)pyrimidin-4-yl)benzene-1,3-diol Scaffolds as Promising Antimicrobial and Anticancer agents. *Mini-Reviews in Medicinal Chemistry*, 19(10), 851-864 (IF = 2.733/ Wos/ Q3)
40. Deepika Sharma, Sanjiv Kumar, Balasubramanian Narasimhan, Kalavathy Ramasamy, **Siong Meng Lim**, Syed Adnan Ali Shah and Vasudevan Mani (2019) 4-(4-Bromophenyl)-thiazol-2-amine derivatives: synthesis, biological activity and molecular docking study with ADME profile. *BMC Chemistry*, 13:60 <https://doi.org/10.1186/s13065-019-0575-x> (IF = 2.493/ WoS/ Scopus/ Q2)
41. Sumit Tahlan, Sanjiv Kumar, Kalavathy Ramasamy, **Siong Meng Lim**, Syed Adnan Ali Shah, Vasudevan Mani, Ranjana Pathania and Balasubramanian Narasimhan (2019) Design, synthesis and biological profile of heterocyclic benzimidazole analogues as prospective antimicrobial and antiproliferative

agents. *BMC Chemistry*, 13:50 <https://doi.org/10.1186/s13065-019-0567-x> (IF = 2.493/ WoS/ Scopus/ Q2)

42. Deepika Sharma, Sanjiv Kumar, Balasubramanian Narasimhan, Kalavathy Ramasamy, **Siong Meng Lim**, Syed Adnan Ali Shah and Vasudevan Mani (2019) Synthesis, molecular modelling and biological significance of N-(4-(4-bromophenyl) thiazol-2-yl)-2-chloroacetamide derivatives as prospective antimicrobial and antiproliferative agents. *BMC Chemistry*, 13:46 <https://doi.org/10.1186/s13065-019-0564-0> (IF = 2.493/ WoS/ Scopus/ Q2)
43. Sanjiv Kumar, Balasubramanian Narasimhan, **Siong Meng Lim**, Kalavathy Ramasamy, Vasudevan Mani and Syed Adnan Ali Shah (2019) Design, Synthesis and Therapeutic Potential of Some 6, 6'-(1,4- phenylene)bis(4-(4-bromophenyl)pyrimidin-2-amine) analogues. *Mini-Reviews in Medicinal Chemistry*, 19(7), 609-621 (IF = 2.733/ WoS/ Q3)
44. Sumit Tahlan, Kalavathy Ramasamy, **Siong Meng Lim**, Syed Adnan Ali Shah, Vasudevan Mani and Balasubramanian Narasimhan (2019) 4-(2-(1H-Benzo[d]imidazol-2-ylthio)acetamido)-N-(substituted phenyl)benzamides: design, synthesis and biological evaluation. *BMC Chemistry*, 13:12 <https://doi.org/10.1186/s13065-019-0533-7> (IF = 2.493/ WoS/ Scopus/ Q2)
45. Rohawi Nur Syakila, **Siong Meng Lim**, Snezana Agatonovic-Kustrin, Fei Tieng Lim, Kalavathy Ramasamy (2019) *In vitro* assessment of pediococci- and lactobacilli-induced cholesterol-lowering effect using digitally enhanced high-performance thin-layer chromatography and confocal microscopy. *Analytical and Bioanalytical Chemistry*, 411(6), 1181-1192 (IF = 3.637/ WoS/ Q1)

MYCITE-INDEXED JOURNALS (2019 – 2023)

1. Muhammad Syukri Noor Azman, **Siong Meng Lim**, Fei Tieng Lim and Kalavathy Ramasamy (2023) *Lactiplantibacillus plantarum* LAB12 Induced Neuroprotection Through the Gut-Brain Axis. *Science Letters*, 17(2), 176-198

NON-INDEXED JOURNALS (2019 – 2023)

1. Wan Suraya Wan Nazahar, **Siong Meng Lim**, Abu Bakar Abdul Majeed, Kalavathy Ramasamy (2023) Potential Blood-based Biomarkers for Cognitive Frailty: A Narrative Review. *International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science*, 6(1), 6-38

SCOPUS-INDEXED BOOK CHAPTERS (2019 – 2023)

1. **Siong Meng Lim**, Nur Syafiqah Rahim and Kalavathy Ramasamy (2020) Coconut Oil and Oxidative Neuroprotection. In: Martin, R Colin and Preedy, Victor R (eds) *Oxidative Stress and Dietary Antioxidants in Neurological Diseases*. Academic Press, UK., 231-247. (Scopus)

SCOPUS-INDEXED EXTENDED ABSTRACTS (2019 – 2023)

1. Umi Khalsom Mohd Bajuri, Kalavathy Ramasamy, **Siong Meng Lim** (2023) Cytotoxic and Anti-Angiogenic Potentials of *Lactiplantibacillus* sp. Lactic Acid Bacteria from Malaysian Fermented Food against CT26 Mouse Colon Carcinoma Cells. *Malaysian Journal of Medicine and Health Sciences*, 19 (Supp 7), 48-49.

2. Faezah Sabirin, **Siong Meng Lim**, Kalavathy Ramasamy (2023) Effects of d- α -Tocopherol Supplementation on Serum and Hepatic Lipid Profiles of High-Fat Diet-Fed C57BL/6J Mice. *Malaysian Journal of Medicine and Health Sciences*, 19 (Supp 7), 50-51.
3. Aiman Hamli, Kalavathy Ramasamy, Snezana Agatonovic-Kustrin, Syed Adnan Ali Shah, Nur Syafiqah Rahim and **Siong Meng Lim** (2023) Optimisation of High-Performance Thin-Layer Chromatography-Mediated Antioxidant Profiling of *Caulerpa lentillifera* Extracts. *Malaysian Journal of Medicine and Health Sciences*, 19 (Supp 7), 61-62.
4. Hazwanie Iliana Hairul Hisham, **Siong Meng Lim**, Chin Fen Neoh, Suzana Shahar, Abu Bakar Abdul Majeed, Kalavathy Ramasamy (2023) Protocol for A Systematic Review of Non-Pharmacology Interventions Against Gut Dysbiosis and Increased Intestinal Permeability in Older Adults. *Malaysian Journal of Medicine and Health Sciences*, 19 (Supp 7), 73-74
5. Nurul Izzati Ahmad Fadzuli, **Siong Meng Lim**, Chin Fen Neoh, Abu Bakar Abdul Majeed, Maw Pin Tan, Hui Min Khor, Ai Huey Tan, Kalavathy Ramasamy (2023) Protocol for Systematic Review and Meta-Analysis of Faecal Markers of Intestinal Permeability and Intestinal Inflammation in Older Adults. *Malaysian Journal of Medicine and Health Sciences*, 19 (Supp 7), 79-80.

ABSTRACTS IN JOURNALS (2019 – 2023)

1. Umi Khalsom Mohd Bajuri, Kalavathy Ramasamy and **Siong Meng Lim** (2022) Cytotoxic and Anti-angiogenic Effects of Postbiotics Derived from *Pediococcus* spp. against CT26 Mouse Colon Carcinoma Cells. *Journal of Angiotherapy*, 6 (3), Supplement 1, 705. 10.25163/angiotherapy.631C
2. As-Zainill Faris Zain Khairull, Danial Akmal Ahmad Makmom, Ila Sazleen Amlan, Mohamad Lokman Abdul Ghani, Kalavathy Ramasamy and **Siong Meng Lim** (2022) Antimicrobial and wound healing effects of postbiotics derived from *Lactiplantibacillus plantarum* LAB1 and LAB12, and *Pediococcus pentosaceus* LAB3 and LAB6, in vitro. *Life Sciences, Medicine and Biomedicine*, 6(1): 108. <https://doi.org/10.28916/lsm.6.1.2022.108>
3. Faezah Sabirin, **Siong Meng Lim**, Kalavathy Ramasamy (2022) *Lactobacillus Plantarum* LAB12-Induced Hepatoprotection *In Vivo* is Associated with Gut-Liver Axis. *Journal of Clinical and Health Sciences*, 7 (2) (Supplementary), S129, [https://doi.org/10.24191/jchs.v7i2\(S\).19282](https://doi.org/10.24191/jchs.v7i2(S).19282)
4. **Siong Meng Lim**, Fazlin Mohd. Fauzi, Muhamad Zaki Zakaria, Kalavathy Ramasamy (2022) The Anti-Angiogenic Effect Of F8268-A3, A Novel Endophytic Peptide: *In Vitro* Assessment and *In Silico* Target Prediction. *Malaysian Journal of Medicine and Health Sciences*, 18 (Supp 1), 80
5. Fatin Umirah, Syamimi Samah, Chin Fen Neoh, **Siong Meng Lim**, Noorhida Baharudin, Nafiza Mat Nasir, Kalavathy Ramasamy (2022) Differential Gut Microbiota Composition Between T2DM And Healthy Controls. *Malaysian Journal of Medicine and Health Sciences*, 18 (Supp 1), 65
6. Naemah Md Hamzah, **Siong Meng Lim**, Fei Tieng Lim, Abu Bakar Abdul Majeed, Kalavathy Ramasamy (2022) Regeneration Of Dopaminergic Neurons

In 6-OHDA-Lesioned Adult Zebrafish Involves Migration Of Dopaminergic Neurons From Olfactory Bulb And Telencephalon To Dienchephalon. *Malaysian Journal of Medicine and Health Sciences*, 18 (Supp 1), 45

7. Nur Syakila Rohawi, **Siong Meng Lim**, Hasseri Halim, Kalavathy Ramasamy (2022) *Lactobacillus plantarum* LAB12 Conferred Atheroprotection *In Vitro* And *In Vivo*. *Malaysian Journal of Medicine and Health Sciences*, 18 (Supp 1), 33
8. Faezah Sabirin, **Siong Meng Lim**, Kalavathy Ramasamy (2022) *Lactobacillus plantarum* LAB12 Reduced Severity Of Liver Pathology And Improved Intestinal Barrier In High-Fat Diet-Induced Non-Alcoholic Fatty Liver Disease Mouse Model. *Malaysian Journal of Medicine and Health Sciences*, 18 (Supp 1), 32
9. Mohammad Humayoon Amini, Fatimah Salim, **Siong Meng Lim**, Kalavathy Ramasamy, Nurhuda Manshoor, Amerul Afiq, Kamran Ashraf (2022) Phytochemical Content And *In Vitro* Antibacterial Activity Of Malaysian *Calotropis procera* (Ait.) Twigs Extracts. *Malaysian Journal of Medicine and Health Sciences*, 18 (Supp 1), 29
10. Umi Khalsom Mohd Bajuri, Kalavathy Ramasamy, **Siong Meng Lim** (2022) Anti-angiogenic *Lactobacillus plantarum* LAB12-derived Cell Free Supernatant Downregulated VEGF And Upregulated TSP-1 In HCT116. *Malaysian Journal of Medicine and Health Sciences*, 18 (Supp 1), 23
11. Y. Vijayanathan, **S. M. Lim**, M. P. Tan, F. T. Lim, A. B. A. Majeed, K. Ramasamy (2019) Dopaminergic neuroregeneration in the diencephalon of 6-OHDA-lesioned adult zebrafish-based Parkinson's disease model. *Journal of Neurochemistry*, 150 (Suppl 1), 161
12. Nur Syakila Rohawi, **Siong Meng Lim**, Hasseri Halim, Kalavathy Ramasamy (2019) Atheroprotection by antilipidaemic *Pediococcus pentosaceus* LAB6- and *Lactobacillus plantarum* LAB12-fermented cell free supernatant *in vitro*. *BMC Proceedings*,13(Suppl 7): OPL1
13. Arunkumar Karunanidhi, Kalavathy Ramasamy, **Siong Meng Lim** and Fazlin Mohd Fauzi (2019) L-Stepholidine (SPD) treatment ameliorates learning and memory deficits in ICR mice. *BMC Proceedings*,13(Suppl 7): PPP1
14. R. M. Zaki, K. Ramasamy, R. K. Mishra, A. B. A. Majeed and **S. M. Lim** (2019). Starch/hyaluronic acid/sorbitol composite films as potential wound dressing materials that protect against *P. Aeruginosa*. *International Journal of Research in Pharmaceutical Sciences*, 10(SPL1). DOI: 10.26452/ijrps.v10iSPL1.1705
15. Muhamad Fareez Ismail, **Lim Siong Meng** and Kalavathy Ramasamy (2019) Alginate-based Microcapsules Facilitate Targeted Release of *Lactobacillus plantarum* LAB12 *in vivo*. *Frontiers in Pharmacology* 10, DOI: 10.3389/conf.fphar.2019.63.00032
16. Faezah Sabirin, **Siong Meng Lim**, Chin Fen Neoh and Kalavathy Ramasamy (2019) Hepatoprotection by probiotics *in vivo*: a systematic review and meta-analysis. *Frontiers in Pharmacology* 9, DOI: 10.3389/conf.fphar.2018.63.00140

17. Noor Azman Muhammad Syukri, **Siong Meng Lim**, Fei Tieng Lim and Kalavathy Ramasamy (2019) *Lactobacillus plantarum* LAB12 enhances cognitive function via modulation of neurotransmitters and neuropeptides in antibiotic- and LPS-challenged rats. *Frontiers in Pharmacology* 9, DOI: 10.3389/conf.fphar.2018.63.00074

PROCEEDINGS WITH ISSN NUMBER (2019 – 2023)

1. Ravi Sheshala, Ruzanna Zulkifli, Nur Ain Asyilah Sakinah, Tommy Julianto Bustami Effendi, Wong Tin Wui, **Siong Meng Lim**, Kalavathy Ramasamy (2021) Formulation and characterization of chitosan/a-glycerophosphate thermosensitive in situ gels for ocular delivery of lomefloxacin hydrochloride Abstract eBook: Malaysian society of Pharmacology & Physiology (MSPP) - 34th Scientific Meeting 2021, *Frontiers in Pharmacology*, ISBN: 978-2-88971-008-9, Pg 166 – 167, DOI: 10.3389/978-2-88971-008-9

PROCEEDINGS (2019 – 2023)

a) International Conferences:

1. Ismail M. Fareez, **Siong Meng Lim**, Ramasamy Kalavathy (2023) Efficacy of Probiotics on the Modulation of Gut Microbiota in the treatment of Type-2 Diabetes Mellitus: A Meta-analysis. Joint IDF-WPR Congress 2023, 15th AASD Scientific Meeting, and 10th annual meeting of JADEC, Kyoto, Japan, 21st-23rd July 2023, WOCS-10-8
2. Nurul Izzati Ahmad Fadzuli, **Siong-Meng Lim**, Abu Bakar Abdul Majeed, Maw-Pin Tan, Hui-Min Khor, Ai-Huey Tan, Kalavathy Ramasamy (2023) Age-dependent correlations between faecal alpha-1-antitrypsin level, physical parameters and phylum Proteobacteria. The IAGG Asia/Oceania Regional Congress 2023, Frailty and Sarcopenia 2 Symposium: AGELESS-A Nine-Year Malaysian National Ageing Cohort, 12th – 14th June 2023, Yokohama, Japan, FR-2-3
3. **Siong Meng Lim**, Hazwanie Iliana Hairul Hisham, Suzana Shahar, Maw Pin Tan, Kalavathy Ramasamy, Abu Bakar Abdul Majeed (2023) Correlation between gut microbiota composition and cognitive frail (CF) parameters: an analysis of pre-intervention baseline data. The IAGG Asia/Oceania Regional Congress 2023, 12th – 14th June 2023, Yokohama, Japan, 1106
4. Kalavathy Ramasamy, Nurul Izzati Ahmad Fadzuli, **Siong Meng Lim**, Abu Bakar Abdul Majeed, Maw Pin Tan, Hui Min Khor, Ai Huey Tan (2023) Age-dependent correlation of cognitive frailty parameters and gut microbiota composition in older adults. The IAGG Asia/Oceania Regional Congress 2023, 12th – 14th June 2023, Yokohama, Japan, 1112
5. Thisha Abirami Sivasankar, Vikneswaran Murugaiyah, Balamurugan Tangiisuran, Mahmathi Karuppanan, Kalavathy Ramasamy, **Lim Siong Meng**, Tan Kit Mun, Shubashini Gnanasan (2022) Effects of Diffused Ylang-ylang on Neurodegenerative and Neuroinflammatory Biomarkers: A Pre-Post Quasi Experimental Study among Persons with Dementia. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team, PPO01, Pg 14

	<ol style="list-style-type: none"> <li data-bbox="505 193 1406 348">6. Nurul Alyaa Binti Ibrahim, Wong Yuet Yen, Kalavathy Ramasamy, Lim Siong Meng, Abu Bakar Abdul Majeed (2022) Medication Self-management among Older Adults with Cognitive Frailty: A Qualitative Study. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team, PPO05, Pg 18 <li data-bbox="505 380 1406 558">7. Umi Khalsom Mohd Bajuri, Kalavathy Ramasamy, Siong Meng Lim. (2022) Cytotoxic and Anti-Angiogenic Potentials of <i>Lactiplantibacillus</i> sp. Lactic Acid Bacteria from Malaysian Fermented Food against CT26 Mouse Colon Carcinoma Cells. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team, PHO10, Pg 45 <li data-bbox="505 590 1406 747">8. Faezah Sabirin, Siong Meng Lim, Kalavathy Ramasamy (2022) Effects of d-α-Tocopherol Supplementation on Serum and Hepatic Lipid Profiles of High-Fat Diet-Fed C57BL/6J Mice. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team, PHO11, Pg 46 <li data-bbox="505 779 1406 957">9. Aiman Hamli, Kalavathy Ramasamy, Snezana Agatonovic-Kustrin, Syed Adnan Ali Shah, Nur Syafiqah Rahim and Siong Meng Lim (2022) Optimisation of High-Performance Thin-Layer Chromatography-Mediated Antioxidant Profiling of <i>Caulerpa lentillifera</i> Extracts. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team, PHP08, Pg 56 <li data-bbox="505 989 1406 1167">10. Nurul Izzati Ahmad Fadzuli, Siong Meng Lim, Chin Fen Neoh, Abu Bakar Abdul Majeed, Maw Pin Tan, Hui Min Khor, Ai Huey Tan, Kalavathy Ramasamy (2022) Protocol for Systematic Review and Meta-Analysis of Faecal Markers of Intestinal Permeability and Intestinal Inflammation in Older Adults. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team, PLSP10, Pg 103 <li data-bbox="505 1199 1406 1377">11. Hazwanie Iliana Hairul Hisham, Siong Meng Lim, Chin Fen Neoh, Suzana Shahar, Abu Bakar Abdul Majeed, Kalavathy Ramasamy (2022) Protocol for A Systematic Review of Non-Pharmacology Interventions Against Gut Dysbiosis and Increased Intestinal Permeability in Older Adults. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team, PLSP11, Pg 104 <li data-bbox="505 1409 1406 1566">12. Umi Khalsom binti Mohd Bajuri, Kalavathy Ramasamy and Siong Meng Lim (2022) The Anti-angiogenic Effects of <i>Lactiplantibacillus plantarum</i> LAB12 against Colorectal Cancer In vitro and In vivo. Evidence-based Lactic Acid Bacteria – Advances, Opportunities and Challenges. 10th – 13th October 2022, Borneo Convention Centre Kuching (BCKK), Sarawak, HINT01Y, Pg 73 <li data-bbox="505 1598 1406 1808">13. Faezah Sabirin, Siong Meng Lim and Kalavathy Ramasamy (2022) Supplementation of <i>Lactiplantibacillus plantarum</i>LAB12 improved high fat diet-induced metabolic dysfunction-associated fatty liver disease (MAFLD) through gut-liver axis in vivo. The 12th Asian Conference on Lactic Acid Bacteria (ACLAB12): Evidence-based Lactic Acid Bacteria – Advances, Opportunities and Challenges. 10th – 13th October 2022, Borneo Convention Centre Kuching (BCKK), Sarawak, HINT02Y, Pg 74 <li data-bbox="505 1839 1406 1898">14. Mohammad Humayoon Amini, Fatimah Salim, Siong Meng Lim, Kalavathy Ramasamy, Nurhuda Manshoor, Kamran Ashraf (2021) A simple purification
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		<p>strategy of crude leaf extract of <i>Calotropis procera</i> from salt impurities before antibacterial evaluation <i>in vitro</i>. Virtual International Research Network Initiative (IRNI) & International Postgraduate Conference on Pharmaceutical Sciences (IPoPS), September 28-29, 2021, OPP3</p> <p>15. Mohammad Humayoon Amini, Fatimah Salim, Siong Meng Lim, Kalavathy Ramasamy, Nurhuda Manshoor, Amerul Afiq Aspa and Kamran Ashraf (2021) Preliminary phytochemical and <i>in vitro</i> antibacterial activity evaluation of Malaysian <i>Calotropis procera</i> (Ait.) flower extract. Asian Symposium on Medicinal Plants and Spices XVII (2021)-Virtual Conference, 18-19 August 2021, Pg 151</p> <p>16. Muhamad Fareez Bin Ismail, Siong-Meng Lim, Fei Tieng Lim, Kalavathy Ramasamy (2019) Microencapsulation improved survivability of <i>Lactobacillus plantarum</i> LAB12 conferred advantages to its cholesterol lowering effect <i>in vivo</i>. The 8th International Congress on Lipid & Atherosclerosis (ICoLA 2019), 5-7 September 2019, Conrad Hotel, Seoul, Korea, MP11-2</p> <p>17. Yuganthini Vijayanathan, Siong Meng Lim, Maw Pin Tan, Fei Ting Lim, Abu Bakar Abdul Majeed, Kalavathy Ramasamy (2019) Dopaminergic Neuroregeneration in the Diencephalon of 6-OHDA-Lesioned Adult Zebrafish-Based Parkinson's Disease Model. the ISN-ASN Meeting 2019 in Montreal, Canada from August 4-9, 2019, MTU14-17</p> <p>b) National Conferences:</p> <p>1. Umi Khalsom Mohd Bajuri, Kalavathy Ramasamy, Siong Meng Lim (2019) The Anti-angiogenic Effect of Lactobacillus Plantarum LAB12-Derived Cell Free Supernatant against HCT116 is Associated with Downregulation of VEGF and Upregulation of TSP-1. The 1st Malaysian Association for Cancer Research Scientific Conference. Cancer research in Malaysia: is there a need for a paradigm shift? 3rd – 4th December 2019, MAHSA University, Bandar Saujana Putra, CD3, Pg 35</p>
10	RESEARCH GRANTS	<p>INTERNATIONAL LEVEL (2019-2023)</p> <p>1. IBRO Associate School Workshop, IBRO, 2021-2022, RM35,955, Co-Researcher (Completed)</p> <p>INDUSTRIAL (2019-2023)</p> <p>1. Gut hormones and anti-inflammatory pathways in probiotics mediated glycaemic control and improved quality of life, Chr Hansen, Denmark, 2016-2019, In kind probiotics and placebo [6 months; 50 patients (probiotics) + 50 patients (placebo)], Co-Researcher</p> <p>CONSULTANCY (2019-2023)</p> <p>1. Cytotoxic Screening Of Schiff Bases And Complexes Against HCT116 Colorectal Cancer Cells, UiTM Technoventure Sdn Bhd, 2023, RM1, 460, Co-Researcher (Completed)</p> <p>NATIONAL LEVEL (2019-2023)</p>

	<ol style="list-style-type: none"> 1. Microbiota-driven CXCL10-RhoA signalling in Lactiplantibacillus plantarum LAB12-induced neuroprotection against Alzheimer's disease, FRGS (MOHE), 2023-2026, RM175,669, Principal Investigator 2. Elucidating the roles of postbiotics on skin microbiome and barrier function through thymic stromal lymphopoietin (TSLP)-mediated Th2 type inflammation in atopic dermatitis, FRGS (MOHE), 2023-2026, RM186,600, Co-Researcher 3. Elucidating the neuroprotective mechanisms of methoxyflavones through in silico drug-target interaction prediction and in vivo validation in neuroinflamed mice for Alzheimer's Disease, FRGS (MOHE), 2021-2024, RM139,286, Co-Researcher 4. Elucidation of a non-anaphylactic hypoallergen vaccine of Scylla paramamosain arginine kinase with reduced IgE reactivity but retained T-cell reactivity, FRGS (MOHE), 2021-2024, RM146,750, Co-Researcher 5. Decoding Phenome To Unravel The Mechanisms Of Cognitive Frailty, LRGS (MOHE), 2020-2025, RM1,894,800, Co-Researcher 6. Microbiota-Driven RhoA-Dependent VEGF Pathway Underlying Lactobacillus plantarum Lab12-Induced Anti-Angiogenicity, FRGS (MOHE), 2017-2021, RM171,720, Principal Investigator (Completed) 7. Gut-Liver-Adipose Axis-driven modulation of CDK4/ AMPK/ Nuclear Receptor Signalling Pathways by Lactobacillus plantarum LAB12 in NAFLD mice, FRGS (MOHE), 2019-2023, RM137,800, Co-Researcher (Completed) 8. Elucidation of Migratory Pathway-Driven Dopaminergic Neuroregeneration in Teleost-Based Parkinson's Disease, FRGS (MOHE), 2019-2023, RM170,800, Co-Researcher (Completed) 9. Elucidation Of The Neuroprotective Mechanism Of Caulerpa Lentillifera Macroalgae Against Lipopolysaccharide-Induced Neuroinflammation, FRGS (MOHE), 2019-2022, RM99,900, Co-Researcher (Completed) 10. Elucidation of Brain-Derived Neurotrophic Factor and Neuroimmune Pathways in Cananga odorata Mediated Behaviour Alterations In Patients With Dementia, FRGS (MOHE), 2017-2021, RM155,820, Co-Researcher (Completed) 11. Dopaminergic Neuroregeneration In Parkinson's Disease: Missing Links In Wnt Signalling And Beyond, FRGS (MOHE), 2016-2020, RM92,600, Co-Researcher (Completed) 12. Role Of D-Amino Oxidase Inhibitors As Potential Drugs In The Treatment Of Alzheimer's Disease: A Proteochemometric Modelling And In Vivo Study. FRGS (MOHE), 2016-2020, RM136,800, Co-Researcher (Completed) 13. Uncovering Probiotic Mediated Gut Microbiota Modulation in Hypertensive Mice, FRGS RACER (MOHE), 2019-2022, RM51,200, Co-Researcher (Completed) <p>DANA KECERLANGAN UITM (2019-2023)</p> <ol style="list-style-type: none"> 1. Unravelling The Challenges And Best Practices For Optimal Medication
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		<p>Management Among Home-Dwelling Elderly With Cognitive Frailty, 2021-2023, RM40,000, Co-Researcher</p> <ol style="list-style-type: none"> 2. Unravelling Multi-Strains Probiotic-Mediated Glycaemic Control In Type 2 Diabetic Patients Via The Inflammatory IκBkinase-β (IKKβ)/NF-κB Pathway, 2019-2022, RM30,000, Principal Investigator (Completed) 3. Biodegradable Nanoparticles Loaded Thermosensitive In Situ Gels Of Lomefloxacin Hydrochloride For Sustained Ocular Drug Delivery: In Vitro And In Vivo Evaluation, 2018-2020, RM30,000, Co-Researcher (Completed) 4. Biodegradable Nanoparticles Loaded Thermosensitive In Situ Gels Of Lomefloxacin Hydrochloride For Sustained Ocular Drug Delivery: In Vitro And In Vivo Evaluation, 2018-2019, RM30,000, Co-Researcher (Completed) 5. Unravelling The Inter-relationships Between Probiotic-enhanced Gut Microbiota, Glycaemic Control And Systemic Inflammation Among Type 2 Diabetes Patients, 2017-2019, RM50,000, Co-Researcher (Completed) 6. Unravelling the inter-relationship between glycaemic control and oxidative stress level among diabetes patients upon probiotic intake, 2017-2019, RM20,000, Co-Researcher (Completed) 7. Unravelling the metabolic signature of probiotics in patients with Type 2 Diabetes, 2017-2019, RM40,000, Co-Researcher (Completed)
11	AWARDS	<p>TEACHING HONOURS AND AWARDS (2019 – 2023) INTERNATIONAL LEVEL:</p> <ol style="list-style-type: none"> 1. Silver Award. Fazlin Mohd Fauzi, Lim Siong Meng, Mizaton Hazizul Hasan and Nur Syamimi Ariffin (2023) Massive Open Online Course On Toxicology. International E-Content Development Competition 2023 (e-ConDev 2023). 2. Gold Award. Aisyah Hasyila Jahidin, Hasseri Halim, Siong Meng Lim, Normala Abd Latip, Nur Syamimi Ariffin, Ahmed Mahmoud Ahmed Alafify (2021) Massive Open Online Course On Cancer Chemotherapeutics. International E-Content Development Competition 2021 (e-ConDev 2021). 3. Gold Award. Aisyah Hasyila Jahidin, Siong Meng Lim, Hasseri Halim, Normala Abd Latip, Nur Syamimi Ariffin, Ahmed Mahmoud Ahmed Alafify (2021) Massive Open Online Course On Cancer Chemotherapeutics. Teaching and learning poster ideas (TALPI), Academy of Language Studies, UiTM Perak Branch, and Fakulti Keguruan dan Ilmu Pendidikan (FKIP), Universitas Terbuka Indonesia <p>RESEARCH HONOURS AND AWARDS (2019 – 2023) INTERNATIONAL LEVEL:</p> <ol style="list-style-type: none"> 4. Gold Award. Aiman Hamli, Kalavathy Ramasamy, Snezana Agatonovic-Kustrin, Syed Adnan Ali Shah, Nur Syafiqah Rahim, Siong Meng Lim (2023) Gummy-Fera: Indulge in Natural Wellness the Chewy Way! Pharm-IIDEx 2023: Empowered by Innovation, 16th August 2023, Faculty of Pharmacy, Universiti Teknologi MARA (UiTM). 5. Gold Award. Saliha Azlan, Kalavathy Ramasamy, Lim Siong Meng (2023) KOMBUCHA.SA 1990: Healthy Fizzy, Probiotics-containing Sparkling Goodness! Pharm-IIDEx 2023: Empowered by Innovation, 16th August 2023, Faculty of Pharmacy, Universiti Teknologi MARA (UiTM).

6. Gold Award. Umi Khalsom Mohd Bajuri, Kalavathy Ramasamy, Ismail M. Fareez, **Siong Meng Lim** (2023) BrewBiotic (BB) Coffee Cubes: Elevate Your Taste, Empower Your Gut! Pharm-IIDEx 2023: Empowered by Innovation, 16th August 2023, Faculty of Pharmacy, Universiti Teknologi MARA (UiTM).
7. Outstanding Poster Presentation Award. **Siong Meng Lim**, Hazwanie Iliana Hairul Hisham, Suzana Shahar, Maw Pin Tan, Kalavathy Ramasamy, Abu Bakar Abdul Majeed (2023) Correlation between gut microbiota composition and cognitive frail (CF) parameters: an analysis of pre-intervention baseline data. The IAGG Asia/Oceania Regional Congress 2023, 12th – 14th June 2023, Yokohama, Japan
8. Outstanding Presentation Award. Kalavathy Ramasamy, Nurul Izzati Ahmad Fadzuli, **Siong Meng Lim**, Abu Bakar Abdul Majeed, Maw Pin Tan, Hui Min Khor, Ai Huey Tan (2023) Age-dependent correlation of cognitive frailty parameters and gut microbiota composition in older adults. The IAGG Asia/Oceania Regional Congress 2023, 12th – 14th June 2023, Yokohama, Japan
9. 1st prize (oral presentation). Thisha Abirami Sivasankar, Vikneswaran Murugaiyah, Balamurugan Tangiisuran, Mahmathi Karupppannan, Kalavathy Ramasamy, **Lim Siong Meng**, Tan Kit Mun, Shubashini Gnanasan (2022) Effects of Diffused Ylang-ylang on Neurodegenerative and Neuroinflammatory Biomarkers: A Pre-Post Quasi Experimental Study among Persons with Dementia. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team
10. 2nd prize (oral presentation). Faezah Sabirin, **Siong Meng Lim** and Kalavathy Ramasamy (2022) Effects Of D-A-Tocopherol Supplementation On Serum And Hepatic Lipid Profile Of High-Fat Diet-Fed C57BL6/J Mice. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team
11. Consolation prize (poster presentation). Hazwanie Iliana Hairul Hisham, **Siong Meng Lim**, Chin Fen Neoh, Suzana Shahar, Abu Bakar Abdul Majeed and Kalavathy Ramasamy (2022) Protocol for a systematic review of non-pharmacology interventions against gut dysbiosis and increased intestinal permeability in older adults. The 3rd Virtual International Research Network Initiative (IRNI) Symposium, 23rd - 24th November 2022, Microsoft Team
12. 1st runner up (oral presentation). Naemah Md Hamzah, **Siong Meng Lim**, Fei Tieng Lim, Abu Bakar Abdul Majeed and Kalavathy Ramasamy (2021) Regeneration Of Dopaminergic Neurons In 6-OHDA-Lesioned Adult Zebrafish Involves Migration Of Dopaminergic Neurons From Telencephalon To Dienchephalon. The virtual IBRO-APRC Associate School of Neuroscience UiTM 2021, 2nd – 6th August, 2021, Webex.
13. Gold Award under the International Innovation Awards 2021. **Siong Meng Lim**, Kalavathy Ramasamy, Faezah Sabirin and Nur Syakila, (2021) ProG: Get Your Lifestyle Revolutionised!. MTE 2021 Malaysia Teknology Expo: The International Expo on Innovation and Technology.

UNIVERSITY LEVEL:

1. 5 STAR Award Achievement 2019-2021. Kalavathy Ramasamy, **Lim Siong Meng**, Nurul Huda Binti Musa, Faezah Binti Sabirin, Nur Syafiqah Bt Rahim,

		<p>Fazlin Fauzi and Wong Yuet Yen (2022) Research Group (RG) COLLABORATIVE DRUG DISCOVERY RESEARCH GROUP (CDDR).</p> <ol style="list-style-type: none"> 2. 5 – STAR EK Rating Year 2020. Kalavathy Ramasamy, Lim Siong Meng, Nurul Aqmar Bt Mohd Nor Hazalin, Nurul Huda Binti Musa, Faezah Binti Sabirin, Nur Syafiqah Bt Rahim, Fazlin Fauzi and Wong Yuet Yen (2021) Research Initiative Group (RIG) COLLABORATIVE DRUG DISCOVERY RESEARCH GROUP (CDDR). 3. 5 – STAR EK Rating Year 2019. Kalavathy Ramasamy, Lim Siong Meng, Neoh Chin Fen, Nurul Aqmar Bt Mohd Nor Hazalin, Nurul Huda Binti Musa, Faezah Binti Sabirin, Nur Syafiqah Bt Rahim (2021) Research Initiative Group (RIG) COLLABORATIVE DRUG DISCOVERY RESEARCH GROUP (CDDR). 4. Diamond Award. Faezah Sabirin, Nur Syakila, Siong Meng Lim and Kalavathy Ramasamy (2021) ProG: Get Your Lifestyle Revolutionised!. Invention, Innovation and Design Expo 2020: Empowering Innovation for Society. 5. Gold Award. Faezah Sabirin, Nur Syakila, Siong Meng Lim and Kalavathy Ramasamy (2020) ProG: Get Your Lifestyle Revolutionised!. Invention, Innovation and Design Expo 2020: Empowering Innovation for Society.
12	<p>INVOLVEMENT IN PROFESSIONAL ORGANISATIONS</p>	<ul style="list-style-type: none"> • Deputy president, Malaysian Association for Cancer Research (MACR) (PPM-005-10-18102017), 2022-2025 • Committee member, Malaysian Association for Cancer Research (MACR) (PPM-005-10-18102017), 2017-2021 • EXCO member, Malaysian Society of Lactic Acid Bacteria (MSLAB) (PPM-009-10-15072014), 2017-2020; 2022-2024 • Auditor, Malaysian Society of Lactic Acid Bacteria (MSLAB) (PPM-009-10-15072014), 2021-2022 • Life Member Chevening Alumni of Malaysia (PPM-001-14-27041998), 2014-Present
13	<p>PARTICIPATION IN CONTINUING EDUCATION</p>	<p>VISITING FELLOW (2019-2023)</p> <ol style="list-style-type: none"> 1. Framework of Attracting Global Talents Programme, Faculty of Pharmacy, Universitas Airlangga, Surabaya, Indonesia, 17-20 February 2020 <p>CONFERENCES (2019-2023)</p> <ol style="list-style-type: none"> 1. Member of the Scientific Committee, the International Conference on Drug Discovery and Translational Medicine 2023, 5-6 December, 2023 2. Member of the Scientific Sub-Committee, the 13th Asian Conference on Lactic Acid Bacteria 2022 (ACLAB2022), Sarawak, Malaysia, 1 January 2021-31 March 2023 3. Committee Member, AGELESS Stakeholder Engagement Policy/ project paper on non-Covid19 related issues to inform and facilitate return to normalcy post-pandemic among our older population among other endeavors, 17 June 2021-31 December 2022

	<ol style="list-style-type: none"> 4. Conference Committee Member, the 2nd MACR International Scientific Conference 2022, Malaysian Association of Cancer Research, MAHSA University, 7-8 December 2022 5. Scientific Committee Member, the virtual 3rd International Research Network Initiative (IRNI) Symposium 2022, Faculty of Pharmacy, Universiti Teknologi MARA 6. Main Organising Committee and Scientific Committee (Chair), International Conference on Drug Discovery and Translational Medicine 2021 (ICDDTM'21), 19 Februari-31 December 2021 7. Organising Chair of Microbiome-based Therapies: Challenges and Success Satellite Symposium, 30 June 2021 8. Chair, the Virtual International Research Network Initiative (IRNI) Symposium 2020, Faculty of Pharmacy, Universiti Teknologi MARA 9. Main Committee Member/ Scientific Committee, 1st MACR Scientific Conference 2019, MACR, Mahsa University, UPM, UiTM, Monash University Malaysia, Taylor's University, Quest International University, Malaysia Oncological Society, National Cancer Society Malaysia, FRIM, USM, 3-4 Dec 2019 10. Scientific Committee, Asian Pharm IV, UiTM, SNU, TDTU, ITB, 28-29 Aug 2019 <p>ASSOCIATE SCHOOLS (2019-2023)</p> <ol style="list-style-type: none"> 1. Co-chair I, "IBRO-APRC Associate School of Neuroscience 2021" Faculty of Pharmacy, UiTM, 1 July – 7 August 2021 <p>EDITOR (2019 – 2023)</p> <ol style="list-style-type: none"> 1. 2022 – 2023, Editor, editorial board for publication of selected extended abstracts of the 3rd Virtual International Research Network Initiative (IRNI) Symposium 2022 under the Special Issue of the Malaysian Journal of Medicine and Health Science 2. 2020 – 2022, Editor, Science Letters, UiTM Press 3. 2021, Editorial Member, Abstracts from the International Conference on Drug Discovery and Translational Medicine 2021 (ICDDTM'21), <i>Malaysian Journal of Medicine and Health Sciences</i>, 18 (Supp 1) 4. 2020, Editorial Member, Special Issue: Seizing Opportunities and Addressing Challenges of Precision Medicine, Pharmacological Research, Elsevier https://www.sciencedirect.com/journal/pharmacological-research/special-issue/I0CNFCR316Z
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	<ol style="list-style-type: none"> 5. 2019, Editorial Member, Abstracts from the 4th Asian Conference in Pharmaceutical Sciences (Asia Pharm IV), <i>BMC Proceedings</i>, 13(Suppl 7):9 6. Guest Editor, VSI: Challenges of Precision Medicine, YPHRS_2019_536. Multiscale Modeling of Innate Immune Receptors: Endotoxin Recognition and Regulation by Host Defense Peptides. <i>Pharmacological Research</i>, Elsevier 7. 2017 – 2021, Academic Editor, <i>Journal of Cancer and Tumor International</i>, ScienceDomain International. 8. 2017 – 2020, Editorial Board Member, <i>Cancer Pharmacology and Therapeutics</i>, EnPress Publisher, LLC <p>REVIEWER (2019 – 2023) WoS-INDEXED JOURNALS</p> <ol style="list-style-type: none"> 1. Bentham Science Publishers, (2023), <i>Current Cancer Drug Targets</i> 2. De Gruyter, (2019), <i>Journal of Basic and Clinical Physiology and Pharmacology</i> 3. Elsevier, (2020-2023), <i>Arabian Journal of Chemistry</i> 4. Elsevier, (2020-2022), <i>Bioorganic Chemistry</i> 5. Elsevier, (2022), <i>Food and Chemical Toxicology</i> 6. Elsevier, (2023), <i>Heliyon</i> 7. Elsevier, (2021-2023), <i>Journal of Molecular Structure</i> 8. Elsevier, (2021), <i>Pharmacological Research</i> 9. Elsevier, (2021), <i>Seminars in Cancer Biology</i> 10. Elsevier, (2019), <i>Annals of Agricultural Science</i> 11. Malaysian Society for Microbiology, (2019-2022), <i>Malaysian Journal of Microbiology</i> 12. MDPI, (2022), <i>Foods</i> 13. Springer Nature, (2022), <i>AMB Express</i> 14. Springer Nature, (2020-2021), <i>BMC Complementary Medicine and Therapies</i> 15. Springer Nature, (2020), <i>BMC Microbiology</i> 16. Springer Nature, (2019), <i>Scientific Reports</i> 17. Taylor and Francis, (2023), <i>Biotechnology and Genetic Engineering Reviews</i> 18. The Royal Society of Chemistry, (2020), <i>Food & Function</i> <p>SCOPUS-INDEXED JOURNAL</p> <ol style="list-style-type: none"> 1. Elsevier, (2021), <i>Results in Chemistry</i>.
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		<p>NON-INDEXED JOURNALS</p> <p>1. Eman Research Ltd, Australia, (2019), Journal of Angiotherapy</p> <p>CONFERENCE SPEAKER (2019 – 2023)</p> <p>1. November, 23, 2022 Biologics drug discovery: current knowledge and future prospects of lactic acid bacteria from Malaysian fermented food – Plenary Speaker at the virtual 3rd International Research Network Initiative (IRNI) Symposium 2022</p> <p>2. June, 21, 2022 “Lactic acid bacteria for disease prevention: nipping gut issues in the bud” – Invited Speaker at the 9th International Postgraduate Conference On Pharmaceutical Sciences (iPoPs) 2022</p> <p>INVITED SPEAKER (2019 – 2023)</p> <p>1. 27 September 2023, “Data Synthesis and Application: Sharing of Real Experiences”, Systematic Review & Meta Analysis Workshop, Hospital Rehabilitasi Cheras</p> <p>2. 16 April 2023, “Pharmaceutical Sciences Research in Malaysia: My Challenging Yet Fulfilling Journey”, Pharmacy In Malaysia (PIM): Talk Show, Virtual Student Exchange Programme (SEP), International Pharmaceutical Students’ Federation (IPSF) in collaboration with Malaysian Pharmacy Students’ association (MyPSA)</p> <p>3. 9 March 2023, FRGS Grant Proposal Seminar, School of Medical and Life Sciences (SMLS), Sunway University</p> <p>4. 6 January 2023, “How to write proceeding papers (extended abstract)?”, Faculty of Pharmacy, UiTM</p> <p>5. 4 August 2021, “What “makes or breaks” a good scientific presentation?” Skill Development III, the virtual IBRO-APRC Associate School of Neuroscience UiTM 2021, 2nd – 6th August, 2021, Webex.</p> <p>6. 2 December 2020, Showcase of expertise at the International Research Network Initiative 2020</p> <p>7. 17-20 February 2020, “Combating obesity through gut microbiome: does probiotic hold the key”, “Publication Workshop”, “Grant Writing Workshop”, “The “make or break” factors of scientific presentation”, “Knowing the “what, when, where, why and how” of innovation” - Faculty of Pharmacy, Universitas Airlangga</p> <p>8. 7 January 2019, “Scientific presentation and its “make or break” factors”, Online Talk, Faculty of Pharmacy, UiTM – National College of Engineering, Lalitpur, Nepal</p>
14	COMMUNITY SERVICES	<p>1. Committee Member, LRGS AGELESS Community Project: Gut Microbiota Seminar and Consultation, 1 January – 4 February 2023</p>

