

PROFILE		
1	NAME	Kalavathy Ramasamy
2	ACADEMIC POSITION	Associate Professor
3	STATUS OF APPOINTMENT	Permanent
4	CITIZENSHIP	Malaysian
5	EDUCATION	PhD (Microbiology), Universiti Putra Malaysia – 2003 Bachelor of Science (Hons) (Microbiology), Universiti Putra Malaysia – 1997.
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> • Associate Professor (DM54) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 1 Oct 2009- Present • Lecturer (DM51) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 1 Feb 2005-30 Sept 2009 • Principal Scientist, Stellagen Sdn Bhd (2003-2005)
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> • PHC429: Pharmaceutical Biochemistry (Lecture, Tutorial & Practical) • PHC454: Pharmaceutical Microbiology & Parasitology (Lecture, Tutorial & Practical) • PHC566: Research 1 (Lecture and Supervision) • PHC567: Supervision • PHC652: Traditional Medicine • PHC653: Introduction to Veterinary Pharmacy (Lecture)
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>2015-2019</p> <p>Book Chapters</p> <p>Sejari N, Kamaruddin K, Neoh CF, Ramasamy K, Lim SM, Ming LC. The Effect of Massage and Spinal Manipulation on Substance P: A Narrative Review. In: Yacob N., Mohd Noor N., Mohd Yunus N., Lob Yussof R., Zakaria S. (eds)</p>

	<p>Regional Conference on Science, Technology and Social Sciences (RCSTSS 2016). Springer, 2018.p. 659-665</p> <p>Lim SM, Ramli MZ, Ahmad NA, Mani V, Majeed ABA and Ramasamy K. Probiotics and Neuroprotection. In: Colin R Martin and Victor R Preedy (eds) Diet and Nutrition in Dementia and Cognitive Decline. Elsevier Inc., CA. 2015.p. 859-868</p> <p>Mani V, Ahmad A, Ramasamy K, Lim SM and Majeed ABA. <i>Murraya koenigii</i> leaves and usage in dementia. In: Colin R Martin and Victor R Preedy (eds) Diet and Nutrition in Dementia and Cognitive Decline. Elsevier Inc., CA. 2016.p. 1039-1048</p> <p>Journal article</p> <p>Kumar S, Narasimhan B, Lim SM, Ramasamy K, Mani V and Ali Shah SA (2018) Design, Synthesis and Therapeutic Potential of Some 6, 6'-(1,4- phenylene)bis(4-(4-bromophenyl)pyrimidin-2-amine) analogues. <i>Mini-Reviews in Medicinal Chemistry</i>. DOI : 10.2174/1389557519666181210162413 (Epub Abstract Ahead of Print/ IF = 2.645/ ISI/ Q2)</p> <p>Kumar S, Narasimhan B, Lim SM, Ramasamy K, Mani V and Ali Shah SA (2018) 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. <i>Mini-Reviews in Medicinal Chemistry</i>. DOI: 10.2174/1389557518666181009141924 (Epub Abstract Ahead of Print/ IF = 2.645/ ISI/ Q2)</p> <p>Kaur H, Lim SM, Ramasamy K, Vasudevan M, Ali Shah SA and Narasimhan B (2017) Diazenyl Schiff Bases: Synthesis, Spectral Analysis, Antimicrobial studies and Cytotoxic Activity on Human Colorectal Carcinoma Cell Line (HCT-116). <i>Arabian Journal of Chemistry</i> (In Press/ IF = 4.553/ ISI/ Q2)</p> <p>Rohawi NS, Lim SM, Agatonovic-Kustrin S, Lim FT, Ramasamy K (2019) In vitro assessment of pediococci- and lactobacilli-induced cholesterol-lowering effect using digitally enhanced high-performance thin-layer chromatography and confocal microscopy. <i>Analytical and Bioanalytical Chemistry</i>, https://doi.org/10.1007/s00216-018-1544-2 (IF = 3.307/ ISI/ Q1)</p>
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	<p>Tahlan, S., Ramasamy, K., Lim, S.M., Shah, S.A.A., Mani, V., Narasimhan, B. Design, synthesis and therapeutic potential of 3-(2-(1H-benzo[d]imidazol-2-ylthio)acetamido)-N-(substituted phenyl)benzamide analogues (2018) Chemistry Central Journal, 12 (1), art. no. 139 (IF = 2.442/ ISI/ Q2)</p> <p>Kakkar, S., Kumar, S., Lim, S.M., Ramasamy, K., Mani, V., Shah, S.A.A., Narasimhan, B. Design, synthesis and biological evaluation of 3-(2-aminooxazol-5-yl)-2H-chromen-2-one derivatives (2018) Chemistry Central Journal, 12 (1), art. no. 130 (IF = 2.442/ ISI/ Q2)</p> <p>Yadav, S., Lim, S.M., Ramasamy, K., Vasudevan, M., Shah, S.A.A., Mathur, A., Narasimhan, B. Synthesis and evaluation of antimicrobial, antitubercular and anticancer activities of 2-(1-benzoyl-1H-benzo[d]imidazol-2-ylthio)-N-substituted acetamides (2018) Chemistry Central Journal, 12 (1), art. no. 66 (IF = 2.442/ ISI/ Q2)</p> <p>Kakkar, S., Tahlan, S., Lim, S.M., Ramasamy, K., Mani, V., Shah, S.A.A., Narasimhan, B. Benzoxazole derivatives: design, synthesis and biological evaluation (2018) Chemistry Central Journal, 12 (1), art. no. 92 (IF = 2.442/ ISI/ Q2)</p> <p>Vashist, N., Sambi, S.S., Narasimhan, B., Kumar, S., Lim, S.M., Shah, S.A.A., Ramasamy, K., Mani, V. Synthesis and biological profile of substituted benzimidazoles (2018) Chemistry Central Journal, 12 (1), art. no. 125 (IF = 2.442/ ISI/ Q2)</p> <p>Kashyap, S., Kumar, S., Ramasamy, K., Lim, S.M., Shah, S.A.A., Om, H., Narasimhan, B. Synthesis, biological evaluation and corrosion inhibition studies of transition metal complexes of Schiff base (2018) Chemistry Central Journal, 12 (1), art. no. 117 (IF = 2.442/ ISI/ Q2)</p> <p>Hassan, L.R., Ramasamy, K., Lim, S.M., Bahron, H., Tajuddin, A.M. Synthesis and characterization of benzohydroxamic acid metal complexes and their cytotoxicity study (2018) Jurnal Teknologi, 80 (6), pp. 87-94 (Scopus/ Q3)</p> <p>Kumar, S., Singh, J., Narasimhan, B., Shah, S.A.A., Lim, S.M., Ramasamy, K., Mani, V. Reverse pharmacophore mapping and molecular docking studies for discovery of GTPase HRas as promising drug target for bis-pyrimidine</p>
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	<p>derivatives (2018) Chemistry Central Journal, 12 (1), art. no. 106 (IF = 2.442/ ISI/ Q2)</p> <p>Kakkar, S., Kumar, S., Narasimhan, B., Lim, S.M., Ramasamy, K., Mani, V., Shah, S.A.A. Design, synthesis and biological potential of heterocyclic benzoxazole scaffolds as promising antimicrobial and anticancer agents (2018) Chemistry Central Journal, 12 (1), art. no. 96 (IF = 2.442/ ISI/ Q2)</p> <p>Fareez, I.M., Lim, S.M., Zulkefli, N.A.A., Mishra, R.K., Ramasamy, K. Cellulose Derivatives Enhanced Stability of Alginate-Based Beads Loaded with Lactobacillus plantarum LAB12 against Low pH, High Temperature and Prolonged Storage (2018) Probiotics and Antimicrobial Proteins, 10 (3), pp. 543-557 (IF = 2.345/ ISI/ Q3)</p> <p>Rohawi, N.S., Ramasamy, K., Agatonovic-Kustrin, S., Lim, S.M. A new high-performance thin-layer chromatographic method for determining bile salt hydrolase activity (2018) Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 1092, pp. 145-151 (IF = 2.603/ ISI/ Q1)</p> <p>Zakaria, N., Ramli, M.Z., Ramasamy, K., Meng, L.S., Yean, C.Y., Banga Singh, K.K., Zain, Z.M., Low, K.-F. An impedimetric micro-immunosensing assay to detect Alzheimer's disease biomarker: Aβ40 (2018) Analytical Biochemistry, 555, pp. 12-21 (IF = 2.334/ ISI/ Q2)</p> <p>Fareez, I.M., Lim, S.M., Ramasamy, K. Microencapsulated Lactobacillus plantarum LAB12 Showed No Sign of Acute or Sub-chronic Toxicity In Vivo (2018) Probiotics and Antimicrobial Proteins, pp. 1-13. Article in Press (IF = 2.345/ ISI/ Q3)</p> <p>Khaidir, S.S., Bahron, H., Tajuddin, A.M., Ramasamy, K., Lim, S.M. High Nuclearity Cu(II) and Co(II) complexes of Schiff Base Derived from o-vanillin with substituted m-phenylenediamine (2018) International Journal of Engineering and Technology(UAE), 7 (3), pp. 72-76 (Scopus/ Q4).</p> <p>Yadav, S., Narasimhan, B., Lim, S.M., Ramasamy, K., Vasudevan, M., Shah, S.A.A., Selvaraj, M. Synthesis, characterization, biological evaluation and molecular docking studies of 2-(1H-benzo[d]imidazol-2-ylthio)-N-(substituted 4-oxothiazolidin-3-yl) acetamides (2017)</p>
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	<p>Chemistry Central Journal, 11 (1), art. no. 137 (IF = 2.442/ ISI/ Q2).</p> <p>Musa, N.H., Mani, V., Lim, S.M., Vidyadaran, S., Abdul Majeed, A.B., Ramasamy, K. Lactobacilli-fermented cow's milk attenuated lipopolysaccharide-induced neuroinflammation and memory impairment in vitro and in vivo (2017) Journal of Dairy Research, 84 (4), pp. 488-495 (IF = 1.409/ ISI/ Q2).</p> <p>Shokryazdan, P., Jahromi, M.F., Liang, J.B., Sieo, C.C., Kalavathy, R., Idrus, Z., Ho, Y.W. In Vitro Assessment of Bioactivities of Lactobacillus Strains as Potential Probiotics for Humans and Chickens (2017) Journal of Food Science, 82 (11), pp. 2734-2745 (IF = 2.018/ ISI/ Q1).</p> <p>Samah, S., Neoh, C.F., Wong, Y.Y., Hassali, M.A., Shafie, A.A., Lim, S.M., Ramasamy, K., Mat Nasir, N., Han, Y.W., Burroughs, T. Linguistic and psychometric validation of the Malaysian version of Diabetes Quality of Life-Brief Clinical Inventory (DQoL-BCI) (2017) Research in Social and Administrative Pharmacy, 13 (6), pp. 1135-1141 (IF = 2.196/ ISI/ Q1).</p> <p>Vijayanathan, Y., Lim, F.T., Lim, S.M., Long, C.M., Tan, M.P., Majeed, A.B.A., Ramasamy, K. 6-OHDA-Lesioned Adult Zebrafish as a Useful Parkinson's Disease Model for Dopaminergic Neuroregeneration (2017) Neurotoxicity Research, 32 (3), pp. 496-508(IF = 2.942/ ISI/ Q1).</p> <p>Enche Ady, C.N.A., Lim, S.M., Teh, L.K., Salleh, M.Z., Chin, A.-V., Tan, M.P., Poi, P.J.H., Kamaruzzaman, S.B., Abdul Majeed, A.B., Ramasamy, K. Metabolomic-guided discovery of Alzheimer's disease biomarkers from body fluid (2017) Journal of Neuroscience Research, 95 (10), pp. 2005-2024 (IF = 2.481/ ISI/ Q3).</p> <p>Kumar, S., Lim, S.M., Ramasamy, K., Vasudevan, M., Shah, S.A.A., Selvaraj, M., Narasimhan, B. Synthesis, molecular docking and biological evaluation of bis-pyrimidine Schiff base derivatives (2017) Chemistry Central Journal, 11 (1), art. no. 89 (IF = 2.442/ ISI/ Q2).</p> <p>Tajuddin, A.M., Anouar, E.H., Ramasamy, K., Yamin, B.M., Alharthi, A.I., Bahron, H. DFT analysis and bioactivity of 2-((E)-(4-methoxybenzylimino)methyl)phenol and its Ni(II) and</p>
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	<p>Pd(II) complexes (2017) <i>Arabian Journal of Chemistry</i>, 10 (6), pp. 769-780 (IF = 4.553/ ISI/ Q2)</p> <p>Tang, S.G.H., Sieo, C.C., Ramasamy, K., Saad, W.Z., Wong, H.K., Ho, Y.W. Performance, biochemical and haematological responses, and relative organ weights of laying hens fed diets supplemented with prebiotic, probiotic and synbiotic (2017) <i>BMC Veterinary Research</i>, 13 (1), art. no. 248. (IF = 1.958/ ISI/ Q1)</p> <p>Kumar, S., Lim, S.M., Ramasamy, K., Vasudevan, M., Shah, S.A.A., Narasimhan, B. Bis-pyrimidine acetamides: Design, synthesis and biological evaluation (2017) <i>Chemistry Central Journal</i>, 11 (1), art. no. 80 (IF = 2.442/ ISI/ Q2)</p> <p>Lim, F.T., Lim, S.M., Ramasamy, K. Cholesterol lowering by <i>Pediococcus acidilactici</i> LAB4 and <i>Lactobacillus plantarum</i> LAB12 in adult zebrafish is associated with improved memory and involves an interplay between <i>npc111</i> and <i>abca1</i> (2017) <i>Food and Function</i>, 8 (8), pp. 2817-2828 (IF = 3.247/ ISI/Q1)</p> <p>Neoh, C.F., Long, C.M., Lim, S.M., Ramasamy, K., Shahar, S., Majeed, A.B.A. Medication use and adherence among multi-ethnic community-dwelling older adults in Malaysia (2017) <i>Geriatrics and Gerontology International</i>, 17 (8), pp. 1214-1220 (IF = 2.351/ ISI/ Q1).</p> <p>Mani, V., Jaafar, S.M., Azahan, N.S.M., Ramasamy, K., Lim, S.M., Ming, L.C., Majeed, A.B.A. Ciproxifan improves cholinergic transmission, attenuates neuroinflammation and oxidative stress but does not reduce amyloid level in transgenic mice (2017) <i>Life Sciences</i>, 180, pp. 23-35 (IF = 2.936/ ISI/ Q1).</p> <p>Neoh, C.F., Samah, S., Wong, Y.Y., Hassali, M.A., Shafie, A.A., Lim, S.M., Ramasamy, K., Mat Nasir, N., Han, Y.W., Burroughs, T. Response to Linguistic and psychometric validation of the Malaysian version of Diabetes Quality of Life-Brief Clinical Inventory (DQoL-BCI): Methodological issues to avoid misinterpretation (2017) <i>Research in Social and Administrative Pharmacy</i>, 13 (4), p. 884 (IF = 2.196/ ISI/ Q1).</p> <p>Fareez, I.M., Lim, S.M., Lim, F.T., Mishra, R.K., Ramasamy, K. Microencapsulation of <i>Lactobacillus</i> SP. Using Chitosan-Alginate-Xanthan Gum-β-Cyclodextrin</p>
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	<p>and Characterization of its Cholesterol Reducing Potential and Resistance Against pH, Temperature and Storage (2017) Journal of Food Process Engineering, 40 (3), art. no. e12458 (IF = 1.37/ ISI/ Q2)</p> <p>Shokryazdan, P., Jahromi, M.F., Liang, J.B., Ramasamy, K., Sieo, C.C., Ho, Y.W. Effects of a Lactobacillus salivarius mixture on performance, intestinal health and serum lipids of broiler chickens (2017) PLoS ONE, 12 (5), art. no. e0175959 (IF = 2.766/ ISI/ Q1)</p> <p>Tahlan, S., Kumar, P., Ramasamy, K., Mani, V., Mishra, R.K., Majeed, A.B.A., Narasimhan, B. Synthesis, antimicrobial, anticancer evaluation and QSAR studies of N'-substituted benzylidene/2-hydroxynaphthalen-1-ylmethylene/3-phenylallylidene/5-oxopentylidene -4-(2-oxo-2-(4H-1,2,4-triazol-4-yl) methylamino)benzohydrazides (2017) Arabian Journal of Chemistry, 10, pp. S2009-S2017 (IF = 4.553/ ISI/ Q2).</p> <p>Kumar, M., Narasimhan, B., Ramasamy, K., Mani, V., Mishra, R.K., Majeed, A.B.A. Synthesis, antimicrobial and cytotoxic evaluation of 4-(1-aryl-5-halo-2-oxo-1,2-dihydro-indol-3-ylideneamino)-N-substituted benzene sulfonamides (2017) Arabian Journal of Chemistry, 10, pp. S2845-S2852 (IF = 4.553/ ISI/ Q2).</p> <p>Kumar, P., Narasimhan, B., Ramasamy, K., Mani, V., Mishra, R.K., Majeed, A.B.A. Synthesis, antimicrobial, anticancer evaluation and QSAR studies of 2/3-bromo-N'-(substituted benzylidene/3-phenylallylidene)benzohydrazides (2017) Arabian Journal of Chemistry, 10, pp. S3740-S3748 (IF = 4.553/ ISI/ Q2) .</p> <p>Mohd Hasni, D.S., Lim, S.M., Chin, A.V., Tan, M.P., Poi, P.J.H., Kamaruzzaman, S.B., Majeed, A.B.A., Ramasamy, K. Peripheral cytokines, C-X-C motif ligand10 and interleukin-13, are associated with Malaysian Alzheimer's disease (2017) Geriatrics and Gerontology International, 17 (5), pp. 839-846 (IF = 2.351/ ISI/ Q1).</p> <p>Kaur, H., Lim, S.M., Ramasamy, K., Vasudevan, M., Shah, S.A.A., Narasimhan, B. Diazenyl schiff bases: Synthesis, spectral analysis, antimicrobial studies and cytotoxic activity on human colorectal carcinoma cell line (HCT-116) (2017) Arabian Journal of Chemistry. Article in Press (IF = 4.553/ ISI/ Q2).</p>
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	<p>Lim, F.T., Lim, S.M., Ramasamy, K. <i>Pediococcus acidilactici</i> LAB4 and <i>Lactobacillus plantarum</i> LAB12 assimilate cholesterol and modulate ABCA1, CD36, NPC1L1 and SCARB1 in vitro (2017) <i>Beneficial Microbes</i>, 8 (1), pp. 97-109 (IF = 2.923/ ISI/ Q2)</p> <p>Rahim, N.S., Lim, S.M., Mani, V., Majeed, A.B.A., Ramasamy, K. Enhanced memory in Wistar rats by virgin coconut oil is associated with increased antioxidative, cholinergic activities and reduced oxidative stress (2017) <i>Pharmaceutical Biology</i>, 55 (1), pp. 825-832 (IF = 1.916/ ISI/ Q1).</p> <p>Ali, M.T.M., Zahari, H., Aliasak, A., Lim, S.M., Ramasamy, K., Macabeo, A.P.G. Synthesis, characterization and cytotoxic activity of betulinic acid and Sec -betulinic acid derivatives against human colorectal carcinoma (2017) <i>Oriental Journal of Chemistry</i>, 33 (1), pp. 242-248 (IF = 0.56/ ISI/ Q3)</p> <p>Ismail, N.F.F., Neoh, C.F., Lim, S.M., Abdullah, A.H., Mastuki, M.F., Ramasamy, K., Zainuddin, N., Saim, L., Ming, L.C. The immediate effect of facial candling on inflammatory mediators, substance P, symptoms severity, and quality of life in allergic rhinitis patients: Study protocol for a randomized controlled trial (2017) <i>Medicine (United States)</i>, 96 (30), art. no. e7511 (IF = 1.803/ ISI/ Q2)</p> <p>Hamad, A., Mani, V., Ramasamy, K., Lim, S.M., Majeed, A.B.A. Memory enhancement in rats by soybean and tempeh extracts is associated with improved cholinergic and reduced neuroinflammatory activities (Peningkatan daya ingatan dalam tikus oleh ekstrak soya dan tempeh dikaitkan dengan peningkatan aktiviti kolinergik dan pengurangan aktiviti keradangan) (2016) <i>Sains Malaysiana</i>, 45 (9), pp. 1299-1310 (IF = 0.47/ ISI/ Q2)</p> <p>Fakri, E.F.M., Lim, S.M., Musa, N.H., Hasan, M.H., Adam, A., Ramasamy, K. <i>Lactobacillus fermentum</i> LAB 9-Fermented soymilk with enriched isoflavones and antioxidants improved memory in Vivo: (Susu soya difermentasi oleh <i>Lactobacillus fermentum</i> LAB 9 yang kaya dengan isoflavon dan antioksidasi memperbaiki daya ingatan secara in Vivo) (2016) <i>Sains Malaysiana</i>, 45 (9), pp. 1289-1297 (IF = 0.47/ ISI/ Q2)</p> <p>Samah, S., Ramasamy, K., Lim, S.M., Neoh, C.F. Probiotics for the management of type 2 diabetes mellitus:</p>
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	<p>A systematic review and meta-analysis (2016) <i>Diabetes Research and Clinical Practice</i>, 118, pp. 172-182 (IF = 3.639/ ISI/ Q1)</p> <p>Shokryazdan, P., Faseleh Jahromi, M., Liang, J.B., Kalavathy, R., Sieo, C.C., Ho, Y.W. Safety assessment of two new <i>Lactobacillus</i> strains as probiotic for human using a rat model (2016) <i>PLoS ONE</i>, 11 (7), art. no. e0159851.</p> <p>Deep, A., Kumar, P., Narasimhan, B., Meng, L.S., Ramasamy, K., Mishra, R.K., Mani, V. Synthesis, Antimicrobial and Anticancer Evaluation of 2-Azetidinones Clubbed with Quinazolinone (2016) <i>Pharmaceutical Chemistry Journal</i>, 50 (1), pp. 24-28 (IF = 2.442/ ISI/ Q2)</p> <p>Sejari, N., Kamaruddin, K., Ramasamy, K., Lim, S.M., Neoh, C.F., Ming, L.C. The immediate effect of traditional Malay massage on substance P, inflammatory mediators, pain scale and functional outcome among patients with low back pain: Study protocol of a randomised controlled trial (2016) <i>BMC Complementary and Alternative Medicine</i>, 16 (1), art. no. 16 (IF = 2.766/ ISI/ Q1)</p> <p>Deep, A., Kumar, P., Narasimhan, B., Ramasamy, K., Lim, S.M., Mani, V., Mishra, R.K. Synthesis, antimicrobial, anticancer evaluation and QSAR studies of thiazolidin-4-one derivatives (2016) <i>Acta Poloniae Pharmaceutica - Drug Research</i>, 73 (1), pp. 93-106 (IF = 0.745/ ISI/ Q2)</p> <p>Deep, A., Narasimhan, B., Lim, S.M., Ramasamy, K., Mishra, R.K., Mani, V. 4-Thiazolidinone derivatives: Synthesis, antimicrobial, anticancer evaluation and QSAR studies (2016) <i>RSC Advances</i>, 6 (111), pp. 109485-109494 (IF = 3.108/ ISI/ Q1)</p> <p>Deep, A., Kumar, P., Narasimhan, B., Lim, S.M., Ramasamy, K., Mishra, R.K., Mani, V. 2-azetidinone derivatives: Synthesis, antimicrobial, anticancer evaluation and QSAR studies (2016) <i>Acta Poloniae Pharmaceutica - Drug Research</i>, 73 (1), pp. 65-78 (IF = 0.745/ ISI/ Q2)</p> <p>Harun, A., Vidyadaran, S., Lim, S.M., Cole, A.L.J., Ramasamy, K. Malaysian endophytic fungal extracts-induced anti-inflammation in Lipopolysaccharide-activated BV-2 microglia is associated with attenuation of NO production and, IL-6 and TNF-α expression (2015)</p>
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	<p>BMC Complementary and Alternative Medicine, 15 (1), art. no. 166 (IF = 2.288/ ISI/ Q1)</p> <p>Marajan, C., Zaki, Z.M., Ramasamy, K., Abdul-Talib, S. Identification and screening characterisation of potential biosurfactant producing bacteria isolated from palm oil mill effluent (2015) Journal of Engineering Science and Technology, 10 (Spec. Issue on Advances in Civil and Environmental Engineering ACEE 2015, August 2015), pp. 94-102 (Scopus/Q3)</p> <p>Ahmad, A., Ramasamy, K., Majeed, A.B.A., Mani, V. Enhancement of β-secretase inhibition and antioxidant activities of tempeh, a fermented soybean cake through enrichment of bioactive aglycones (2015) Pharmaceutical Biology, 53 (5), pp. 758-766 (IF = 1.916/ ISI/ Q1).</p> <p>Fareez, I.M., Lim, S.M., Mishra, R.K., Ramasamy, K. Chitosan coated alginate-xanthan gum bead enhanced pH and thermotolerance of Lactobacillus plantarum LAB12 (2015) International Journal of Biological Macromolecules, 72, pp. 1419-1428 (IF = 3.671/ ISI/ Q1)</p> <p>Aazmi, S., Teh, L.K., Ramasamy, K., Rahman, T., Salleh, M.Z. Comparison of the anti-obesity and hypocholesterolaemic effects of single Lactobacillus casei strain Shirota and probiotic cocktail (2015) International Journal of Food Science and Technology, 50 (7), pp. 1589-1597 (IF = 2.383/ ISI/ Q1)</p> <p>Deep, A., Kumar, P., Narasimhan, B., Ramasamy, K., Mani, V., Mishra, R.K., Majeed, A.B.A. Synthesis, antimicrobial, anticancer evaluation of 2-(aryl)-4-thiazolidinone derivatives and their QSAR studies (2015) Current Topics in Medicinal Chemistry, 15 (11), pp. 990-1002 (IF = 3.402/ ISI/ Q2)</p> <p>Kumar, P., Narasimhan, B., Ramasamy, K., Mani, V., Mishra, R.K., Majeed, A.B.A. Synthesis, Antimicrobial, Anticancer Evaluation and QSAR Studies of 3/4-Bromo Benzohydrazide Derivatives (2015) Current Topics in Medicinal Chemistry, 15 (11), pp. 1050-1064 (IF = 3.402/ ISI/ Q2)</p> <p>Appukutty, M., Ramasamy, K., Rajan, S., Vellasamy, S., Ramasamy, R., Radhakrishnan, A.K. Effect of orally administered soy milk fermented with Lactobacillus plantarum LAB12 and physical exercise on murine immune</p>
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	<p>responses (2015) <i>Beneficial Microbes</i>, 6 (4), pp. 491-496 (IF = 2.923/ ISI/ Q2) .</p> <p>Tang, S.G.H., Sieo, C.C., Kalavathy, R., Saad, W.Z., Yong, S.T., Wong, H.K., Ho, Y.W. Chemical Compositions of Egg Yolks and Egg Quality of Laying Hens Fed Prebiotic, Probiotic, and Synbiotic Diets (2015) <i>Journal of Food Science</i>, 80 (8), pp. C1686-C1695 (IF = 2.018/ ISI/ Q1).</p> <p>Abstracts in Journals</p> <p>Muhamad Fareez Ismail, Lim Siong Meng and Kalavathy Ramasamy (2019) Alginate-based Microcapsules Facilitate Targeted Release of <i>Lactobacillus plantarum</i> LAB12 in vivo. <i>Frontiers in Pharmacology</i> 10, DOI: 10.3389/conf.fphar.2019.63.00032</p> <p>Faezah Sabirin, Siong Meng Lim, Chin Fen Neoh and Kalavathy Ramasamy (2019) Hepatoprotection by probiotics in vivo: a systematic review and meta-analysis. <i>Frontiers in Pharmacology</i> 9, DOI: 10.3389/conf.fphar.2018.63.00140</p> <p>Noor Azman Muhammad Syukri, Siong Meng Lim, Fei Tieng Lim and Kalavathy Ramasamy (2019) <i>Lactobacillus plantarum</i> LAB12 enhances cognitive function via modulation of neurotransmitters and neuropeptides in antibiotic- and LPS-challenged rats. <i>Frontiers in Pharmacology</i> 9, DOI: 10.3389/conf.fphar.2018.63.00074</p> <p>Proceedings with ISSN Number</p> <p>F. Umirah, C. F. Neoh, K. Ramasamy and S. M. Lim (2018) Inter-Relationship Between Gut Microbiota Composition And Biochemical Profiles In Type 2 Diabetes Mellitus Patients: A Systematic Review. 2018 International Congress of Diabetes and Metabolism, 11-13 October 2018, Grand Hilton Seoul Hotel, Seoul, Korea, ISSN: 2234-4357, Pg 130</p> <p>F. Umirah, C. F. Neoh, K. Ramasamy and S. M. Lim (2018) Differential Gut Microbiota Composition Between Type 2 Diabetes Mellitus Patients And Healthy Individuals: A Systematic Review. 2018 International Congress of Diabetes and Metabolism, 11-13 October 2018, Grand Hilton Seoul Hotel, Seoul, Korea, ISSN: 2234-4357, Pg 161</p>
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	<p>Magazines</p> <p>Ramasamy K and Siong Meng Lim (2018) An edible one two-punch to reduce cholesterol. <i>Asia Research News</i>.</p> <p>Ramasamy K and Siong Meng Lim (2018) Feed supplements to reduce in-feed antibiotics. <i>Asian Poultry Magazine</i>.</p> <p>PhD Thesis</p> <p>Muhamad Fareez Bin Ismail (Main Supervisor). Development Of Thermo-Stable And Ph-Responsive Microencapsulated Lactobacillus Plantarum LAB12 For Targeted Gut Delivery, Faculty of Pharmacy, UiTM, 2018</p> <p>Muhammad Zaki Bin Ramli (Co-Supervisor) RhoA Targeting By Probiotics As Strategy To Interfere The Critical Link To Major Hallmarks Of Alzheimer's Disease, Faculty of Pharmacy, UiTM, 2019</p> <p>Nur Syamimi Mohd Azahan (Co-supervisor) Neuroprotective roles of mahanimbine a carbazole alkaloid from <i>Murraya koenigii</i> leaves, UiTM, 2019</p> <p>Ainon Zahariah Samsudin (Co-supervisor) Early detection of AD in blood using transcriptomics, 2019</p> <p>Shirley Tang Gee Hoon (Co-supervisor) Effect of prebiotic oligosaccharides on performance and egg quality of laying hens, UPM, 2017</p> <p>MSc Thesis (Main Supervisor)</p> <p>Nor Amalina Bt Ahmad Alwi. Lactobacillus Plantarum LAB12- and Lactobacillus casei LAB13-induced Neuroprotection was Associated, at Least in Part, with Increased Neurotransmission, Anti-oxidant and Decreased Neuroinflammation in APP Transgenic Mice, Faculty of Pharmacy, UiTM, 2018</p> <p>Che Nor Adlia Bt Enche Ady. Metabolic Profiling for Early Detection of Alzheimer's Disease, Faculty of Pharmacy, UiTM, 2016</p> <p>Nur Syafiqah Bt Rahim. Neuroprotective Effect of Virgin Coconut Oil on Lipopolysaccharide-Induced Cell Death in SK-N-SH and Memory Impaired in Rat, Faculty of Pharmacy, UiTM, 2015</p>
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10	RESEARCH GRANTS	<p>International (2015-2019)</p> <p>Collaboration with University of Otago, 2019, 82,000.00, Principal Investigator (Active).</p> <p>IBRO Associate School Workshop, IBRO, 2018, RM82,000.00, Co-Researcher (Completed).</p> <p>IBRO Associate School Workshop, IBRO, 2016, RM87,890.00, Co-Researcher (Completed).</p> <p>Industrial</p> <p>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)], Principal investigator</p> <p>National Level</p> <p>Dopaminergic Neuroregeneration In Parkinson's Disease: Missing Links In Wnt Signalling And Beyond, FRGS</p>

		<p>(MOHE), 2016-2019, RM92,600, Principle Investigator (Active)</p> <p>Integrative Systematic Biology in Understanding the Cellular and Molecular Mechanisms of Locally Derived Feed Supplements for Poultry, LRGS (MOHE), 2012-2017, RM2,125,174, Principal Investigator (Completed)</p>
11	AWARDS	<p>International Level</p> <p>Best Poster Presenter. Muhamad Fareez Ismail, Lim Siong Meng and Kalavathy Ramasamy (2018) Alginate-based Microcapsules Facilitate Targeted Release of Lactobacillus plantarum LAB12 in vivo. The International Conference on Drug Discovery and Translational Medicine 2018 (ICDDTM '18): “Seizing Opportunities and Addressing Challenges of Precision Medicine”, December 3 – 5, 2018, The Everly Hotel, Putrajaya, Malaysia</p> <p>Best Oral Presenter. Z. M. Zaki, K. Ramasamy, V. Mani And S. M. Lim (2018) F8268-A3-induced Anti-Angiogenicity is mediated, in part, through Downregulation of Vascular Endothelial Growth Factor and Upregulation of Thrombospondin. The 1st International Conference on Pharmacy Practice, 27-28 June 2018, Concorde Hotel Shah Alam, OPC4</p> <p>Gold. S. M. Lim, K. Ramasamy, I. M. Fareez, R. M. Zaki and N. A. M. Syukri (2017) G2BTM: Gut-Brain Revitalized! The 28th International Invention, Innovation and Technology Exhibition (ITEX'17), Kuala Lumpur Convention Centre, Malaysia</p> <p>Silver Medal. Z. M. Zaki, N. N. Ban, K. Ramasamy, C. O. Leong and S. M. Lim (2015) ActiPep: A precious gift from nature. The 14th International Conference and Exposition on Inventions by Institutions of Higher Learning (PECIPTA 2015), Kuala Lumpur Convention Centre, Malaysia</p> <p>University Level</p> <p>Diamond Award. Nur Syakila, Siong Meng Lim, Kalavathy Ramasamy, Fei Tieng Lim and Snezana Agatonovic-Kustrin (2017) CardioLact: Guardian of your gut, protector of your heart. Invention, Innovation and</p>

		<p>Design Expo 2017, DATC, UiTM Shah Alam.</p> <p>Gold Award. Nur Syakila, Siong Meng Lim, Kalavathy Ramasamy, Fei Tieng Lim and Snezana Agatonovic-Kustrin (2017) CardioLact: Guardian of your gut, protector of your heart. Invention, Innovation and Design Expo 2017, DATC, UiTM Shah Alam.</p> <p>Gold Award. Syamimi Samah, Chin Fen Neoh, Siong Meng Lim, Kalavathy Ramasamy and Yuet Yen Wong. (2017) Diabetes Auxiliary Therapy Programme: A Natural, Holistic Diabetic Care for Type 2 Diabetes Mellitus (T2DM). Invention, Innovation and Design Expo 2017, DATC, UiTM Shah Alam.</p> <p>Diamond Award. N. A. M. Syukri, R. M. Zaki, I. M. Fareez, S. M. Lim and K. Ramasamy (2016) G2BTM: Gut-Brain Revitalized! Invention, Innovation and Design Expo 2016, DATC, UiTM Shah Alam</p> <p>Gold Award. N. A. M. Syukri, R. M. Zaki, I. M. Fareez, S. M. Lim and K. Ramasamy (2016) G2BTM: Gut-Brain Revitalized! Invention, Innovation and Design Expo 2016, DATC, UiTM Shah Alam</p> <p>Diamond Award. Z. M. Zaki, N. N. Ban, K. Ramasamy, C. O. Leong and S. M. Lim (2015) ActiPep: A precious gift from nature. Invention, Innovation and Design Expo 2015, DATC, UiTM Shah Alam</p> <p>Gold Award. Z. M. Zaki, N. N. Ban, K. Ramasamy, C. O. Leong and S. M. Lim (2015) ActiPep: A precious gift from nature. Invention, Innovation and Design Expo 2015, DATC, UiTM Shah Alam</p> <p>Gold Award. N. S. Rahim, S. M. Lim, V. Mani, N. A. Hazalin and K. Ramasamy (2015) VCoil: Guardian of your brain. Invention, Innovation and Design Expo 2015, DATC, UiTM Shah Alam</p> <p>Bronze Award. SMH Dayana, SM Lim, MP Tan, AV Chin, PJH Poi, K Sharul, ABA Majeed, K Ramasamy (2015) ADKin: Make that difference in your life with just a drop of blood. Invention, Innovation and Design Expo 2015, DATC, UiTM Shah Alam</p>
12	INVOLVEMENT IN PROFESSIONAL	<ul style="list-style-type: none"> Assistant Secretary, Malaysian Society of Lactic

	ORGANISATIONS	<p>Acid Bacteria (MSLAB) 2017/2019</p> <ul style="list-style-type: none"> • Auditor, Malaysian Society of Metabolomics, 2015-2017 • Vice President, Malaysian Society of Metabolomics, 2013-2015 • Life Member, Malaysia Nutrition Society, 2010- to date
13	PARTICIPATION IN CONTINUING EDUCATION	<p>Committee</p> <ul style="list-style-type: none"> • Invited Speaker at the 34th Symposium of the Malaysian Society for Microbiology (MSM2018) 8-10 Dec 2018 • Invited Speaker at the 1st International Conference on Pharmacy Practice (iCoPP), 27-28 Jun 2018 • Invited Speaker at the Malaysian Association for the Study of Obesity Scientific Conference, 21 Nov 2017 • Invited Speaker at the 10th Scientific Seminar on Probiotics and Prebiotics: Role in Promoting Gut Microbiota and Health -A Scientific and Regulatory Update by the International Life Sciences Institute (ILSI) Southeast Asia Region and Malaysian Society of Nutrition, 22 Nov 2017 • Invited Speaker at the 2nd Seminar and Workshop on Probiotics Working Group in the South-East Asia Region: Advancing Probiotics Research in the South-East Asia Region organised by SEAMEO RECFON (Regional Centre for Food and Nutrition), 2 Nov 2016 • Invited Speaker at the 4th International Conference on the Pharmaceutical, Nutraceutical and Cosmetic Science, 12-13 Nov 2015 • International Symposium of Health Sciences (i-SIHAT) Post Conference Symposium (Aging in Malaysia: from Molecules to Communities, 13th August 2015 • Poultry Feed Seminar and Forum Speaker, 13 Dec 2017 <p>Conferences</p> <ul style="list-style-type: none"> • Scientific Committee, The International Conference on Drug Discovery and Translational Medicine 2018 (ICDDTM '18), MACR, UPM, USM, UiTM, UM, Taylor's University, Quest International University, Mahsa University &

		<p>Neutraceuticals, 3-5 Dec 2018</p> <ul style="list-style-type: none"> • Abstract Reviewer, The 1st International Conference On Pharmacy Practice, Faculty of Pharmacy, UiTM, 27-28 Jun 2018 • Scientific Bureau, The 5th International Postgraduate Conference on Pharmaceutical Sciences (iPoPS 2017), Faculty of Pharmacy, UiTM, 15-18 May 2017 • Programme Committee, The 4th International Conference on Pharmaceuticals, Nutraceuticals and Cosmetic Science (IPNaCS), Faculty of Pharmacy, UiTM, 12-13 Nov 2015 • Organizing Committee The 2nd International Conference on Science and Social Research, IRMI, UiTM, 5-6 Oct 2015 • Scientific Programme Bureau/ Abstract Publication, The 3rd International Postgraduate Conference on Pharmaceutical Sciences (iPoPS 2014), Faculty of Pharmacy, UiTM, 11-12 Aug 2014 • Committee Member, The National Symposium on Ethics in Clinical and Social Research 2017, Faculty of Pharmacy & IRMI, UiTM, 17 Aug 2017 • Committee Member, The i-Sihat Post Conference Symposium LRGS Project TUA, UKM, UiTM and UPM, 13 Aug 2015 <p>Associate School</p> <ul style="list-style-type: none"> • Co-chairperson, IBRO-APRC Associate School of Neuroscience, Faculty of Pharmacy and the Rector's Office, UiTM, 24-30 Sep 2018 • Co-chairperson, IBRO-APRC Associate School of Neuroscience, Faculty of Pharmacy, UiTM, 8-14 Aug 2016 <p>Workshops</p> <ul style="list-style-type: none"> • Organizing Committee, Immuno- labelling & Bio-imaging Workshop, CoRe, IRMI, UiTM, 14-15 Apr 2015
14	COMMUNITY SERVICES	<ul style="list-style-type: none"> • Trainer, ILHAM Science Outreach 2017, 5 Jun 2017 • Project Member/ Organiser, LRGS TUA Health

		<p>Screening Programme at the Kampung Tiram Burok Tanjung Karang, 4 May 2016</p> <ul style="list-style-type: none"> • Project Member/ Organiser, LRGS TUA Health Screening Programme at the Taman Berkeley Klang, 26 Apr 2016 • Project Member/ Organiser, LRGS TUA Health Screening Programme at the Kampung Sungai Terap Kuala Selangor, 22 Jan 2015 • Project Member/ Organiser, LRGS TUA Health Screening Programme at the Kampung Tiram Burok Tanjung Karang, 21 Jan 2015 • Supervisor, Research Attachment: Mississippi College, USA, Aug 2016
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