

CURRICULAR VITAE

1. PERSONAL DATA

Name : Kalavathy Ramasamy
Date of Birth : 10 Feb 1970
Grade of Current Position : Professor
Address (Office) : Faculty of Pharmacy
Universiti Teknologi MARA,
42300, Puncak Alam,
Selangor, Malaysia
Contact No : 03-32584692 (office)
012-6994755 (mobile)
kalav922@uitm.edu.my

2. ACADEMIC QUALIFICATIONS

Degrees Obtained : PhD (Microbiology)
Universiti Putra Malaysia

Bachelor of Science (Hons)
(Biochemistry and Microbiology)
Universiti Putra Malaysia

3. BRIEF CAREER HISTORY/EMPLOYMENT

	Appointment	Institution	Duration
1	Professor	Faculty of Pharmacy, UiTM	2019-up to now
2	Head of Department	Pharmaceutical Life Sciences, Faculty of Pharmacy, UiTM	2016-2018
3	Director (Brain & Neuroscience/ Pharmaceutical Life Sciences)	Communities of Research (CoRE), Institute of Research Management & Innovation (IRMI), UiTM	2014-2015
4	Head of Department	Postgraduate Studies, Faculty of Pharmacy, UiTM	2011-2014
5	Coordinator	Postgraduate Programme, Faculty of Pharmacy, UiTM	2010-2011
6	Head of Programme	Bachelor of Pharmacy, Faculty of Pharmacy, UiTM	2007-2008
7	Associate Professor	Faculty of Pharmacy, UiTM	2009-present

8	Senior Lecturer	Faculty of Pharmacy, UiTM	2005-2009
9	Principal Scientist	Stellagen Sdn Bhd Malaysia	2003-2005

4. **FIELD OF SPECIALIZATION:** Microbiology and Drug Discovery

5. **CURRENT RESEARCH AREAS/TOPICS:**

1. Functional food (probiotics, prebiotics and synbiotics)
2. Drug discovery (microbial metabolites, antimicrobial, anticancer and neuroprotective agents)
3. Gut-brain/liver-axis (Gut microbiome)

6. **NUMBER OF POSTGRADUATE STUDENTS SUPERVISED:**

Program	Status	As a Chairman (Main Supervisor)	As a Member (Co-supervisor)
PhD	Graduated	4	13
	Ongoing	2	4
Masters (with thesis)	Graduated	13	10
	Ongoing	1	2
Masters (without thesis)	Graduated	0	1
	Ongoing	0	1

7. **ACHIEVEMENTS / AWARDS:**

1. One of the top recipients for H-Index at UiTM, 2021
2. One of the recipients of top citation (total citation at UiTM 2021)
3. ITEX Gold Award 2021

8. **NUMBER OF PUBLICATIONS:**

Publication	Quantity
Journal	144
Book chapter	3
H-Index	27

9. **LIST 10 SIGNIFICANT JOURNAL PUBLICATIONS (Latest):**

1. Sabirin, F., Lim, S.M., Neoh, C.F., Ramasamy, K. Hepatoprotection of Probiotics Against Non-Alcoholic Fatty Liver Disease in vivo: A Systematic Review (2022) *Frontiers in Nutrition*, 9, art. no. 844374, .
2. Ahmad Alwi, N.A., Lim, S.M., Mani, V., Ramasamy, K. Lactobacillus 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 (2022) *Journal of Dietary Supplements*
3. Vijayanathan, Y., Lim, S.M., Tan, M.P., Lim, F.T., Majeed, A.B.A., Ramasamy, K. Adult Endogenous Dopaminergic Neuroregeneration Against

- Parkinson's Disease: Ideal Animal Models? (2021) *Neurotoxicity Research*, 39 (2), pp. 504-532.
4. Umirah, F., Neoh, C.F., Ramasamy, K., Lim, S.M. Differential gut microbiota composition between type 2 diabetes mellitus patients and healthy controls: A systematic review (2021) *Diabetes Research and Clinical Practice*, 173, art. no. 108689
 5. Lim, S.M., Agatonovic-Kustrin, S., Lim, F.T., Ramasamy, K. High-performance thin layer chromatography-based phytochemical and bioactivity characterisation of anticancer endophytic fungal extracts derived from marine plants (2021) *Journal of Pharmaceutical and Biomedical Analysis*, 193, art. no. 113702
 6. Rehiman, S.H., Lim, S.M., Neoh, C.F., Majeed, A.B.A., Chin, A.-V., Tan, M.P., Kamaruzzaman, S.B., Ramasamy, K. Proteomics as a reliable approach for discovery of blood-based Alzheimer's disease biomarkers: A systematic review and meta-analysis (2020) *Ageing Research Reviews*, 60, art. no. 101066 .
 7. Rehiman, S.H., Lim, S.M., Lim, F.T., Chin, A.-V., Tan, M.P., Kamaruzzaman, S.B., Ramasamy, K., Abdul Majeed, A.B. Fibrinogen isoforms as potential blood-based biomarkers of Alzheimer's disease using a proteomics approach (2020) *International Journal of Neuroscience*, .
 8. Fareez, I.M., Lim, S.M., Ramasamy, K. Microencapsulated *Lactobacillus plantarum* LAB12 Showed No Sign of Acute or Sub-chronic Toxicity In Vivo (2019) *Probiotics and Antimicrobial Proteins*, 11 (2), pp. 447-459
 9. Syakila, R.N., Lim, S.M., Agatonovic-Kustrin, S., Lim, F.T., Ramasamy, K. In vitro assessment of pediococci- and lactobacilli-induced cholesterol-lowering effect using digitally enhanced high-performance thin-layer chromatography and confocal microscopy (2019) *Analytical and Bioanalytical Chemistry*, 411 (6), pp. 1181-1192
 10. 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.
 11. 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.
 12. Lim, F.T., Lim, S.M., Ramasamy, K. Cholesterol lowering by *Pediococcus acidilactici* LAB4 and *Lactobacillus plantarum* LAB12 in adult zebrafish is associated with improved memory and involves an interplay between npc111 and abca1 (2017) *Food and Function*, 8 (8), pp. 2817-2828.