

Personal Details Full name Title (Prof. Dr./ Snr. Assoc. Prof. Dr./ Assoc. Prof. Dr. / etc.)	Dr. Lim Khian Giap
Academic Qualifications	Bachelor of Pharmacy (Honours) Doctor of Philosophy (Pharmacy)
Administrative Duties	Program Coordinator for Bachelor of Pharmacy (Honours) Faculty Coordinator for Alumni
Publications (last 5 years) (Selected)	<ol style="list-style-type: none"> 1. Arunachalam Muthuraman, Lim, K.G., 2024. Therapeutic potential of beta-carotene on intracisternal injection of glucose oxidase-induced senile dementia in diabetic rats. Presented at the Alzheimer's Association International Conference, ALZ. 2. Lim, K.G., Varatharajan, R., Muthuraman, A., 2023. Therapeutic investigations of palm oil induced beta-carotene in diabetic vascular dementia in rat. Res. J. Pharm. Technol. 566–572. https://doi.org/10.52711/0974-360X.2023.00097 3. Muthuraman, A., Ramesh, M., Mustafa, F., Nadeem, A., Nishat, S., Paramakrishnan, N., Lim, K.G., 2023. In Silico and In Vitro Methods in the Characterization of Beta-Carotene as Pharmaceutical Material via Acetylcholine Esterase Inhibitory Actions. Molecules 28, 4358. https://doi.org/10.3390/molecules28114358 4. Muthuraman, A., Sayem, A.S.Md., Meenakshisundaram, S., Ali, N., Ahmad, S.F., AlAsmari, A.F., Nishat, S., Lim, K.G., Paramaswaran, Y., 2023. Preventive Action of Beta-Carotene against the Indoxyl Sulfate-Induced Renal Dysfunction in Male Adult Zebrafish via Regulations of Mitochondrial Inflammatory and β-Carotene Oxygenase-2 Actions. Biomedicines 11, 2654. https://doi.org/10.3390/biomedicines11102654 5. Paramakrishnan, N., Chavan, L., Lim, K.G., Paramaswaran, Y., Muthuraman, A., 2023. Reversal of Neuralgia Effect of Beta Carotene in Streptozotocin-Associated Diabetic Neuropathic Pain in Female Zebrafish via Matrix Metalloprotease-13 Inhibition. Pharmaceuticals 16, 157. https://doi.org/10.3390/ph16020157 6. Paramakrishnan, N., Lim, K.G., Paramaswaran, Y., Ali, N., Waseem, M., Shazly, G.A., Bin Jordan, Y.A., Muthuraman, A., 2023. Astaxanthin: A Marine Drug That Ameliorates Cerebrovascular-Damage-Associated Alzheimer's Disease in a Zebrafish Model via the Inhibition of Matrix Metalloprotease-13. Mar. Drugs 21, 433. https://doi.org/10.3390/md21080433 7. Muthuraman, A., Ramesh, M., Subramanian, A.,

	<p>Dhamodharan, J., Giap, L.K., 2022. Overview of SARS-CoV-2 and Possible Targets for the Management of COVID-19 Infections. <i>Coronaviruses</i> 3, e230622206308. https://doi.org/10.2174/2666796703666220623090158</p> <p>8. Lim, K.G., Varatharajan, R., Muthuraman, A., 2022. The Attenuating Effect of Beta-Carotene on Streptozotocin Induced Diabetic Vascular Dementia Symptoms in Rats. <i>Molecules</i> 27, 4293. https://doi.org/10.3390/molecules27134293</p> <p>9. Lim, K.G., Muthuraman, A., 2022. Ameliorative Processes of Beta-Carotene in Streptozotocin-Induced Diabetic Vascular Dementia in Rats. <i>Processes</i> 10, 1324. https://doi.org/10.3390/pr10071324</p> <p>10. Lim, K.G., Muthuraman, A., 2020. Health Benefits of Alkaline Ionized Water. <i>Rapp. Pharm.</i> 6, 616–621.</p> <p>11. Lim, K.G., Muthuraman, A., 2020. Molecular Pathophysiology of Vascular Dementia. <i>Rapp. Pharm.</i> 6, 627–636.</p> <p>12. Lim, K.G., Muthuraman, A., 2019. Dry Fractionation of Palm Oil. <i>Rapp. Pharm.</i> 5, 598–609.</p>
On-going Research (Selected)	<ul style="list-style-type: none"> •
Completed Research (Selected)	<ul style="list-style-type: none"> • Exploring beta-carotene's effects and mechanisms in an experimental model of diabetic vascular dementia. • Exploring beta-carotene's effects and mechanisms in an experimental model of diabetic retinopathy. • Knowledge and awareness of diabetes self-care among medical and pharmacy students. • Evaluation of pharmacy students' knowledge of asthma, including disease, treatment, and counseling. • Knowledge and awareness of topical corticosteroid use for eczema among medical and pharmacy students.
Research Grants	<ul style="list-style-type: none"> •
Consultancy	<ul style="list-style-type: none"> •
Awards/ Achievements	<ul style="list-style-type: none"> •
Professional Membership	<ul style="list-style-type: none"> • Social Development Officer, Malaysian Pharmacists Society – Young Pharmacist Chapter, Kedah Perlis Area • Member of Malaysian Pharmacists Society
Supervision	<ul style="list-style-type: none"> • Undergraduate

Teaching in AIMST	<ul style="list-style-type: none">• Introduction to Pharmacy• Community Pharmacy• Public Health Pharmacy• Hospital Pharmacy• Applied Therapeutics• Geriatric Pharmacy
Areas of Expertise	<ul style="list-style-type: none">• Preclinical neurovascular disorders• KAP studies – pharmacy practice
Contact Details: Email	<ul style="list-style-type: none">• limkhiangiap@aimst.edu.my