

PROFILE		
1	NAME	NURUL AQMAR BT MOHAMAD NOR HAZALIN
2	ACADEMIC POSITION	LECTURER
3	STATUS OF APPOINTMENT	PERMANENT
4	CITIZENSHIP	MALAYSIAN
5	EDUCATION	PhD (Neuroscience), Universiti Sains Malaysia - 2019. Master of Science (Pharmaceutical Biotechnology), Universiti Teknologi MARA – 2010; Bachelor of Biomedicine (Hons), University College of Technology and Management, Malaysia – 2006.
6	WORKING EXPERIENCE	<ul style="list-style-type: none"> • Lecturer (DM45) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 11 November 2010 – present • Junior Lecturer (DM41) Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, 3 July 2009 – 10 November 2010
7	CURRENT ACADEMIC RESPONSIBILITIES	<ul style="list-style-type: none"> • PHC 454: Pharmaceutical Microbiology (Lecture, Practical, Tutorial & PBL) • PHC402: Human Anatomy & Physiology (Tutorial & PBL) • PHC429: Pharmaceutical Biochemistry (Practical, Tutorial & PBL) • PHC425: Biostatistics (Practical) • PHC650: Drugs in Sports (Practical) • PHC652: Traditional Medicine (Practical) • PHC653: Introduction to Veterinary Pharmacy (Tutorial)
8	RESEARCH INTERESTS/ PROJECTS	<ul style="list-style-type: none"> • Neuroprotective agents and underlying mechanisms. • Behavioral neuroscience and neuroplasticity. • Anticancer agents and underlying mechanisms.
9	PUBLICATIONS	<p>Journal article</p> <p>Mazzura Wan Chik, Nurul Aqmar Mohamad Nor Hazalin, Gurmeet Kaur Surindar Singh. (2018). Chronic intrahippocampal administration of streptozotocin targeting insulin receptors induced memory loss in rats: A</p>

dose comparison study. *Cognition, Brain, Behaviour: An Interdisciplinary Journal*, 22(1), 13-29.

Mazzura Wan Chik, **Nurul Aqmar Mohamad Nor Hazalin**, Gurmeet Kaur Surindar Singh. (2017). Comparative Behavioral Study of Unilateral and Bilateral Intrahippocampal Injection of Streptozotocin for Alzheimer's Disease Rat Model. *Thai Journal of Pharmaceutical Sciences*, Vol: 41 (5th IPNaCS Conference Issue).

Mohamad Nor Hazalin N, Ping L and Hassan Z (2016). Role of TRPM4 on cognitive function and hippocampal long term potentiation in chronic cerebral hypoperfused rats. *Frontiers in Cell Neuroscience*. Conference Abstract: 14th Meeting of the Asian-Pacific Society for Neurochemistry. DOI: 10.3389/conf.fncel.2016.36.00088

Nurul Aqmar M.N. Hazalin, Siong Meng Lim, Anthony L.J. Cole, Abu Bakar A. Majeed, Kalavathy Ramasamy. (2013). Apoptosis induced by desmethyl-lasiodiplodin is associated with up-regulation of apoptotic genes and down-regulation of monocyte chemotactic protein - 3. *Anti-Cancer Drugs*, 24, 852-861. DOI: 10.1097/CAD.0b013e3283635a47.

Nurul Aqmar Mohamad Nor Hazalin, Kalavathy Ramasamy, Siong Meng Lim, Anthony L.J. Cole, Abu Bakar Abdul Majeed. (2012). Induction of apoptosis against cancer cell lines by four ascomycetes (endophytes) from Malaysian rainforest. *Phytomedicine*, 19, 609-617. DOI: 10.1016/j.phymed.2012.01.007.

Conference paper

Unpublished paper:

Nurul Aqmar Mohamad Nor Hazalin, Ping L and Hassan Z (2019). TRPM4 inhibition improves spatial memory impairment and hippocampal long-term potentiation deficit in chronic cerebral hypoperfused rats. Paper presented at International Conference on Ageing. 7 - 8 March 2019. Eastin Hote, Penang, Malaysia.

Nurul Aqmar Mohamad Nor Hazalin, Ping L and Hassan Z (2018). Anti-TRPM4 antibody improves hippocampal

long term potentiation deficit in chronic cerebral hypoperfused rats. Paper presented at 17th Asian Oceanian Myology Centre (AOMC) Annual Scientific Meeting and 28th Malaysian Society of Neurosciences Annual Scientific Meeting. 28 - 29 July 2018. Hotel Istana, Kuala Lumpur.

Rahim, N. S., Lim, S. M., Vasudevan, M., **Hazalin, N. A.**, Ramasamy, K. Virgin coconut oil induced cognitive improvement in rats is associated with its antioxidative effect. Paper presented at 3rd International Postgraduate Conference on Pharmaceutical Sciences. 11-12 August 2014. Faculty of Pharmacy, UiTM Puncak Alam Campus.

N. S., Rahim, V. Mani, S. M. Lim, **N. A. Hazalin**, K. Ramasamy. Neuroprotection of virgin coconut oil on memory impaired rats is mediated partly through inflammatory and cholinergic pathways. Paper presented at 2nd International Postgraduate Conference on Pharmaceutical Sciences. 4-5 September 2013. Faculty of Pharmacy, UiTM Puncak Alam Campus.

Rahim, N. S., Kalavathy, R., **Hazalin, N. A.**, Mani, V., and Majeed, A. B. A. Inhibition of reactive oxygen species by virgin coconut oil in beta-amyloid induced neuroblastoma cell. Paper presented at 1st International Conference on Nutraceutical and Cosmetic Sciences. 22-23 October 2012. Hotel Istana, Kuala Lumpur.

Hanum Yaakub, Kalavathy Ramasamy, Vasudevan Mani, Abu Bakar Abdul Majeed, **Nurul Aqmar Mohd Nor Hazalin**. Nitric oxide inhibitory effect of lactic acid bacteria in LPS stimulated macrophage RAW cells. Paper presented at 1st International Postgraduate Conference on Pharmaceutical Sciences. 28-30 June 2012. Faculty of Pharmacy, UiTM Puncak Alam Campus.

S. M. Jaafar, R. Kalavathy, **N. A. Mohd Nor Hazalin**, A. B. Abdul Majeed, M. Vasudevan. Ciproxifan, a histamine H3 receptor antagonist as a potential therapeutic agent in Alzheimer's disease. Paper presented at 1st International Postgraduate Conference on Pharmaceutical Sciences. 28-30 June 2012. Faculty of Pharmacy, UiTM Puncak Alam Campus.

Published paper:

Mohamad Nor Hazalin N, Ping L and Hassan Z. Role of TRPM4 on cognitive function and hippocampal long term

		<p>potentiation in chronic cerebral hypoperfused rats. 14th Meeting of the Asian-Pacific Society for Neurochemistry. Frontiers in Cellular Neuroscience. 2016. DOI: 10.3389/conf.fncel.2016.36.00088</p> <p>Dissertation and master thesis</p> <p>Nurul Aqmar MNH. Role of TRPM on cognitive behavior and hippocampal long-term potentiation in chronic cerebral hypoperfused rats [PhD thesis]. Malaysia: Universiti Sains Malaysia; 2019.</p> <p>Nurul Aqmar MNH. Bioactive endophytic metabolites with antimicrobial and cytotoxic activity of flora sourced from Kuala Keniam and Kuala Trenggan of Taman Negara, Pahang [Master thesis]. Malaysia: Universiti Teknologi MARA; 2010.</p>
<p>10</p>	<p>RESEARCH GRANTS</p>	<p>Unravelling the neuroprotective effects of probiotics fermented in soymilk. iRAGS, Universiti Teknologi MARA. 1 December 2015 - 30 November 2017. RM 20,000. Principle investigator.</p> <p>Ciproxifan, a histamine H3 antagonist as a potential therapeutic agent in Alzheimer's disease. Science Fund, Ministry of Science, Technology & Innovation (MOSTI), Malaysia. 2013 - 2015. RM 237,000. Member.</p> <p>Vesicular neurotransmitter transporter: bioenergetics and regulation of D-serine transport. Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education, Malaysia. 2012 - 2015. RM 157,100. Member.</p> <p>Discerning potential neuroprotective compounds of virgin coconut oil on β-amyloid induced SH-SY5Y cell. Exploratory Research Grant Scheme (ERGS), Ministry of Higher Education, Malaysia. 2011 - 2013. RM 69,000. Principle investigator.</p> <p>Mechanism of action of endophytic compounds as neuroprotective agent on β-amyloid induced PC12 cell. Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education, Malaysia. 2010 - 2012. RM 64,800. Principle investigator.</p>

11	AWARDS	<p>MSN-BNC Education Grant to attend Next Gen MSN-BNC Hi-5 Neuroscience Retreat. Malaysian Society of Neurosciences, 2018.</p> <p>Postgraduate Travel Award to attend 17th Asian Oceanian Myology Centre (AOMC) Annual Scientific Meeting and 28th Malaysian Society of Neurosciences Annual Scientific Meeting. Malaysian Society of Neurosciences, 2018.</p> <p>Postgraduate Travel Award to attend 14th Meeting of the Asian-Pacific Society for Neurochemistry. Asian Pacific Society for Neurochemistry, 2016.</p> <p>Federal Staff Training Scholarship for pursuing PhD. Universiti Teknologi MARA & Ministry of Higher Education Malaysia. 2013.</p>
12	INVOLVEMENT IN PROFESSIONAL ORGANISATIONS	Member, Malaysian Society of Neurosciences (MSN), 2015 - present.
13	PARTICIPATION IN CONTINUING EDUCATION	<p><u>Conferences:</u></p> <p>Presenter. International Conference on Ageing. 2019. Eastin Hotel, Penang, Malaysia.</p> <p>Participant. Next Gen MSN-BNC Hi-5 Neuroscience Retreat. 2018. Villa Danialla, Kelantan, Malaysia.</p> <p>Presenter. 17th Asian Oceanian Myology Centre (AOMC) Annual Scientific Meeting and 28th Malaysian Society of Neurosciences Annual Scientific Meeting. 2018. Hostel Istana, Kuala Lumpur, Malaysia.</p> <p>Presenter. 14th Meeting of the Asian-Pacific Society for Neurochemistry. Asian-Pacific Society for Neurochemistry. 2016. Hostel Istana, Kuala Lumpur, Malaysia.</p> <p>Participant. CDR Mini Symposium on Drug Addiction and Neurodegeneration. Centre for Drug Research USM & Malaysian Society on Neurosciences. 2015. Penang, Malaysia.</p> <p>Participant. XXIIth Annual Symposium of the French Club of the Glial Cells. French Club of the Glial Cells. 2014. Carry-le-Rouet, France.</p>

Participant & Committee. Ist International Conference on Nutraceutical and Cosmetic Sciences (ICNACS). Universiti Teknologi MARA. 2012. Hotel Istana, Kuala Lumpur, Malaysia.

Participant and Committee. 4th Australasian Metabolomics Symposium and Workshop. Malaysian Metabolomics Society. 2012. UiTM Puncak Alam, Malaysia.

Participant. Ist International Postgraduate Conference on Pharmaceutical Sciences. Faculty of Pharmacy, UiTM. 2012. UiTM Puncak Alam, Malaysia.

Presenter. Colloquium on Pharmaceutical Sciences. Life Sciences Department, Faculty of Pharmacy, UiTM. 7th October 2011. UiTM Puncak Alam, Malaysia.

Courses:

Participant. Emerging Research Leaders Series (ERLS): Bengkel Penulisan Jurnal. Organized by Institute of Leadership and Development (ILD) UiTM. 21 - 23 November 2018.

Participant. Fundamentals of Electrophysiology Workshop. 22th June - 8th July 2012. Organized by German Academic Exchange Service (DAAD) & Universiti Sains Malaysia. Universiti Sains Malaysia, Kelantan.

Participant. LC Method Validation. Organized by Analytical Unit, Faculty of Pharmacy, UiTM & Research Instrument Sdn Bhd. 14th May 2012. UiTM Puncak Alam, Malaysia.

Participant. ISO 17025:2005 Quality Awareness Training. Organized by Organized by Analytical Unit, Faculty of Pharmacy, UiTM. 8th March 2012. UiTM Puncak Alam, Malaysia.

Participant. Responsible Care and Use of Laboratory Animal Course. Organized by Laboratory Animal Facility and Management, Faculty of Pharmacy, UiTM. 21- 22 November 2011. UiTM Puncak Alam, Malaysia.

		<p>Participant. Leadership Symposium. Organized by Institute of Leadership and Quality Management, UiTM. 5th July 2011. ILQAM UiTM, Malaysia.</p> <p>Participant. Research Expedition Series. Organized by Institute of Leadership and Quality Management, UiTM. 3rd March 2011. ILQAM UiTM, Malaysia.</p>
14	COMMUNITY SERVICES	<p>Facilitator. Program ‘Jom Sains Farmasi’. 19 December 2016. Faculty of Pharmacy, UiTM Puncak Alam.</p> <p>Facilitator. Modul Pembangunan dan Kepimpinan Pelajar (LPPKP) - Modul II. UiTM. 19th February 2011. Faculty of Pharmacy, UiTM Puncak Alam.</p> <p>Facilitator. Modul Pembangunan dan Kepimpinan Pelajar (LPPKP) - Modul III. UiTM. 22nd January 2011. Faculty of Pharmacy, UiTM Puncak Alam</p>