

CURRICULUM VITAE



DR. MOHD NASIR BIN MAT NOR ***SENIOR LECTURER***

Fakulti Perubatan, Kampus Perubatan, Universiti Sultan Zainal Abidin, Terengganu Darul Iman.

Personal Information

Email: nasirmnor@unisza.edu.my

Current Scheme: DS 52

Started in UniSZA: 01 January 2009

Qualification: Ph.D in Optometry,
Auckland University, New Zealand, 2018

Sarjana Sains (Neurosains),
Universiti Sains Malaysia, 2012

Sarjana Muda Sains Biologi,
Universiti Malaysia Terengganu, 2005

Work Experience

- Researcher (National Cancer Council Malaysia) -2005
- Lecturer -2012-2018
- Graduate Teaching Assistant (University of Auckland) - 2016-2017
- Research Assistant (University of Auckland) - 2018

Administrative Responsibility

1. Research Coordinator, Fakulti Perubatan (17 Feb 2020 - 31 Dec 2020)
2. Deputy Dean, Fakulti Perubatan (16 Feb 2022 - 16 Apr 2022)

Training

1. Graphpad Prism Workshop, Dewan Persidangan Ppsk, Usm, Kelantan (16 August 2022)
2. Kursus Kaedah Penyelidikan Siri 1/2013 Persediaan Cuti Belajar Staf Akademik, Avillion Admiral Cove, Port Dickson, Negeri Sembilan (01 February 2013 - 06 February 2013)
3. International Neuroscience Symposium 2012, School of Medicine, Universiti Malaysia Sabah (23 July 2012 - 25 July 2012)
4. 6th Congress of Asian Medical Education Association (Amea 2011), International Medical University No 126, Jalan Jalil Perkasa 19, Bukit Jalil, 57000 Kuala Lumpur Malaysia (23 March 2011 - 26 March 2011)
5. Electrophysiology Workshop, Universiti Sains Malaysia, Kampus Kesihatan, Kelantan (04 August 2010 - 12 August 2010)

Article in International Publication

1. **Mat Nor, M. N.**, Guo, C. X., Green, C. R., Squirrell, D., & Acosta, M. L. (2023). Hyper-reflective dots in optical coherence tomography imaging and inflammation markers in diabetic retinopathy. *Journal of anatomy*, 243(4), 697–705. <https://doi.org/10.1111/joa.13889>
2. Oo, A. M., **Nor, M. N. M.**, Lwin, O. M., Simbak, N., Adnan, L. H. M., & Rao, U. S. M. (2022). Immunomodulatory effects of apigenin, luteolin, and quercetin through natural killer cell cytokine secretion. *Journal of Applied Pharmaceutical Science*. <https://doi.org/10.7324/japs.2022.120914>
3. **Nor, M. N. M.**, Rupenthal, I. D., Green, C., & Acosta, M. L. (2021). Differential action of Connexin hemichannel and Pannexin channel therapeutics for potential treatment of retinal diseases. *International Journal of Molecular Sciences*, 22(4), 1755. <https://doi.org/10.3390/ijms22041755>
4. Acosta, M. L., **Nor, M. N. M.**, Guo, C. X., Mugisho, O. O., Coutinho, F., Rupenthal, I. D., & Green, C. (2021). Connexin therapeutics: blocking connexin hemichannel pores is distinct from blocking pannexin channels or gap junctions. *Neural Regeneration Research*, 16(3), 482. <https://doi.org/10.4103/1673-5374.290097>
5. Oo, A. M., Adnan, L. H. M., **Nor, N. M.**, Simbak, N., Ahmad, N. Z., & Lwin, O. M. (2020). Immunomodulatory effects of flavonoids: An experimental study on natural-killer-cell-mediated cytotoxicity against lung cancer and cytotoxic granule secretion profile. *Proceedings of Singapore Healthcare*, 30(4), 279–285. <https://doi.org/10.1177/2010105820979006>
6. **Nor, M. N. M.**, Rupenthal, I. D., Green, C., & Acosta, M. L. (2019). Connexin HemiChannel Block using orally delivered Tonabersat improves outcomes in animal models of retinal disease. *Neurotherapeutics*, 17(1), 371–387. <https://doi.org/10.1007/s13311-019-00786-5>
7. **Nor, N. M.**, Guo, C. X., Rupenthal, I. D., Chen, Y., Green, C., & Acosta, M. L. (2018). Sustained Connexin43 mimetic peptide release from loaded nanoparticles reduces retinal and choroidal photodamage. *Investigative Ophthalmology & Visual Science*, 59(8), 3682. <https://doi.org/10.1167/iovs.17-22829>
8. Dv, M., **Nor, M. N. M.**, & Zubaidi, A. L. A. (2018). No differences in energy cost of a predetermined exercise among young overweight/obese and undernourished individuals. *International Journal of Yoga*. https://doi.org/10.4103/ijoy.ijoy_78_16
9. Kim, Y., Griffin, J. M., **Nor, M. N. M.**, Zhang, J., Freestone, P. S., Danesh-Meyer, H. V., Rupenthal, I. D., Acosta, M. L., Nicholson, L., O'Carroll, S. J., & Green, C. (2017). Tonabersat prevents inflammatory damage in the central nervous system by blocking connexin43 hemichannels. *Neurotherapeutics*, 14(4), 1148–1165. <https://doi.org/10.1007/s13311-017-0536-9>
10. Guo, C. X., **Nor, M. N. M.**, Danesh-Meyer, H. V., Vessey, K. A., Fletcher, E. L., O'Carroll, S. J., Acosta, M. L., & Green, C. (2016). Connexin43 mimetic peptide improves retinal function and reduces inflammation in a Light-Damaged albino rat model. *Investigative Ophthalmology & Visual Science*, 57(10), 3961. <https://doi.org/10.1167/iovs.15-16643>

11. **Mn, N.**, Habsah, M., Mkr, A., Ah, N., Dv, M., & Al, Z. (2015). Acute effects of triterpene compounds on locomotor performance and Morris water maze tasks in Sprague-Dawley rats. *Biomedical Research-tokyo*, 26(2), 0. <https://www.alliedacademies.org/articles/acute-effects-of-triterpene-compounds-on-locomotor-performance-and-morris-water-maze-tasks-in-sprague-dawley-rats.pdf>
12. Rohin, M. a. K., Rozano, N., Hadi, N. A., **Nor, M. N. M.**, Abdullah, S., & Venkateshaiah, M. D. (2013). Anthropometry and Body Composition Status during Ramadan among Higher Institution Learning Centre Staffs with Different Body Weight Status. *The Scientific World Journal*, 2013, 1–7. <https://doi.org/10.1155/2013/308041>
13. Rohin, M. A. K., Habibah, U., Norhayati, A. H., Hulwany, Z., **Mat Nor, M. N.**, & Suhana, I., Muralidara, D. (2014). Nutritional Status and Quality of Life During Ramadan Among Higher Institution Learning Centre Staffs with Different Body Weight Status. *World Journal of Pharmaceutical Research*. 3. 1-13.
14. **Mat Nor, M. N.**, Rohin, M. A. K., Hulwany, Z. N., Suhana, I. M., Mohd, Adzim, K. R. (2014). Study on Ramadan fasting towards lipid profiles and total antioxidant status (TAS) among higher institution learning centre staffs. *World Journal of Pharmaceutical Research*. 3045. 47-57.
15. Rohin, M. A. K., Shafekh, S., Norhayati, A. H., Suhana., **Mat Nor, M. N.**, Muralidara, D. (2014). Cardiovascular and Blood Glucose Adaptation during Ramadan Fasting among Different Weight Status Subjects. *Annual Research & Review in Biology*, 4(24), 3771–3779. <https://doi.org/10.9734/arrb/2014/11624>
16. Rohin, M. A. K., Rozano, N., Hadi, N. A., **Nor, M. N. M.**, Abdullah, S., & Venkateshaiah, M. D. (2013b). Anthropometry and Body Composition Status during Ramadan among Higher Institution Learning Centre Staffs with Different Body Weight Status. *The Scientific World Journal*, 2013, 1–7. <https://doi.org/10.1155/2013/308041>
17. Muralidhara, D. V., Simbak, N., & **Nor, M. N. M.** (2013). Learning style preferences of preclinical medical students in a Malaysian university. *South East Asian Journal of Medical Education*, 7(1), 22. <https://doi.org/10.4038/seajme.v7i1.146>
18. **Nasir, M.**, Abdullah, J. M., Habsah, M., Ghani, R. I., & Rammes, G. (2012). Inhibitory effect of asiatic acid on acetylcholinesterase, excitatory post synaptic potential and locomotor activity. *Phytomedicine*, 19(3–4), 311–316. <https://doi.org/10.1016/j.phymed.2011.10.004>
19. **Nasir, M.**, Habsah, M., Zamzuri, I., Rammes, G., Jaafar, H. S., & Abdullah, J. M. (2011). Effects of asiatic acid on passive and active avoidance task in male Sprague–Dawley rats. *Journal of Ethnopharmacology*, 134(2), 203–209. <https://doi.org/10.1016/j.jep.2010.12.010>
20. **Nasir, M.**, Habsah, M., Zulkifli, Z., Zamzuri, Rammes, Hasnan, & Abdullah, A. (2010). Inhibitory effect of asiatic acid on excitatory synaptic transmission in the rat hippocampus. *Current Neurobiology*, 1(2), 0. <https://www.alliedacademies.org/articles/inhibitory-effect-of-asiatic-acid-on-excitatory-synaptic-transmission-in-the-rat-hippocampus.pdf>

Article in National Publication

1. Oo, A. M., **Nor, M. N. M.**, Lwin, O. M., & Simbak, N. (2022). Flavonol Quercetin: Immunomodulatory and Anticancer Properties. *Asian Journal of Medicine and Biomedicine*, 6(1), 17–31. <https://doi.org/10.37231/ajmb.2022.6.1.452>
2. **Nor, M. M.**, Adnan, L. H. M., Ahmad, N. Z., Septama, A. W., Najihah, N. N. N. N. N., Ohn, M. L., & Simbak, N. (2021). Effects of apigenin, luteolin, and quercetin on the natural killer (NK-92) cells proliferation: a potential role as immunomodulator. *Sains Malaysiana*, 50(3), 821828. <https://doi.org/10.17576/jsm-2021-5003-22>
3. Thwin, M. M., Oo, M. S., **Nor, M. N. M.**, Aung, S. T., & Oo, A. M. (2020). Role of Brain-Derived Neurotrophic factor in cognitive function and exercise. *Asian Journal of Medicine and Biomedicine*, 4(1), 61–66. <https://doi.org/10.37231/ajmb.2020.4.1.332>
4. Dv, M., **Nor, M. N. M.**, & Zubaidi, A. L. A. (2016). Our experiences with human body composition estimations; low discriminatory power of body mass index to segregate body fatness. *Malaysian Journal of Public Health Medicine*, Vol. 16 (3): 16-19.

Book Publication

Edited Book

1. Practical on Cardiovascular Physiology (2022), Faculty of Medicine, UniSZA, ISBN: 978-629-97399-0-6 - **Co-Author**

Chapter in Book

1. Bab 3: Neuron dan Potensi Tindakan, Kerjaya Dalam Bidang Neurosains: Apa Yang Patut Diketahui Mengenai Sains Otak di Malaysia (2014), Penerbit USM, 5-MarISBN: 978-983-861-592-1 – **Co-Author**

In Progress for publication

1. ***Eye complication. Universiti Malaysia Terengganu Publisher- Co-Author***
2. ***Practical Handbook for MBBS Students. UniSZA Publisher- Co-Author***

Conferences

1. Effects of Asiatic Acid on Passive Avoidance and Locomotor Performance in Sprague - Dawley rats, International Neuroscience Symposium 2012, Malaysia (2012), - **Main Author**
2. Connexin43 Mimetic Peptide Loaded Nanoparticles on Reducing Acute Photo-damage of the Chorio-retinal Complex. XXII Biennial Meeting of the International Society for Eye Research, Japan (2016). - **Main Author**

Non-research Publication

1. Halitosis Punca Penyakit Jantung (2021), Dewan Kosmik, Dewan Bahasa dan Pustaka
2. Binjai Tumbuhan Nadir Yang Berkhasiat (2020), Dewan Kosmik, Dewan Bahasa dan Pustaka
3. Tikus Bogel Untuk Kajian Kanser (2020), Dewan Kosmik, Dewan Bahasa dan Pustaka
4. Kelangsungan Hidup Burung Walet Penting Kepada Manusia (2020), Dewan Kosmik, Dewan Bahasa dan Pustaka
5. Kelestarian Industri Sawit Merangkumi Pelbagai Aspek (2019), Berita Harian

Research Grants

Principal Investigator

1. Effects of *Centella asiatica* Compounds on acetylcholinesterase, passive avoidance task and locomotor activity on sprague-dawley rats, Dana Pembudayaan Penyelidikan (RAGS) (2012), **[Grant Value: RM50,400]**

Co-Researcher

1. The Effect of Flavonoid Compounds on NK Cells Activity Against Lung Cancer Cells and Assessment of Intracellular Signaling Pathway, Th1/th2 Cytokines and Cytotoxic Granules Secretion Profile, Geran Agensi Kerajaan, (2017-2021), **[Grant Value: RM79,600]**
2. Energy Cost of a Predetermined Physical Activity in Subject of Three Different Nutritional Status, Geran Dalam Universiti, (2011), **[Grant Value: RM12,000]**
3. Return on Science, UniServices, New Zealand an animal model of diabetic retinopathy (2019-2023) **[Grant Value: NZD 65,000]**

Postgraduate Student

Main Supervision

1. [PhD] Aung Myo Oo, Myanmar – *Graduated*
2. Final discussion with potential new PhD students from Pakistan with Scholarship.
3. PhD and summer project (Degree in Optometry) co-supervisor from University of Auckland

Awards

1. University Academic Awards (2021), Anugerah Akademik Universiti (Sains dan Teknologi), AAU 2021 - Principal Investigator

Intellectual Property

1. I-Nutrisi (2018), Trade Mark – Co Principal Investigator
2. Auckland Uniservices Ltd. Intellectual property 38219 – Green CR, Mat Nor MN, Acosta ML. Connexin hemichannel block using orally delivered tonabersat improves outcomes in animal models of retinal disease – US 62/900,379 & US 62/903,504

Contribution to University

1. Ahli Jawatankuasa, Sidang Editor Buletin UniSZA 2023, 2023 - 2023
2. Ahli Jawatankuasa, Environmental Pollution and Health Impact on Future Generation in Asian Countries, 2023 - 2023
3. Ahli Jawatankuasa, Panel Penilai Proposal DPU Fakulti Perubatan, 2023 - 2023
4. Ahli Jawatankuasa, AJK Personal & Profesional Development Kurikulum Baru Mbbs, 2023 - 2023
5. Ahli Jawatankuasa, Asia-Pacific Conference on Translational and Holistic Medicine (Apc-Thm) 2023, 2023 - 2023
6. Ahli Lembaga Editor jurnal Lain-lain Indeks, Asian Journal of Medicine and Biomedicine (Ajmb), 2023 - 2025
7. Panel Penilai, Permohonan Projek Dana Penyelidikan Universiti (DPU) 2.0 Tahun 2023, 2023 - 2023
8. Ahli Jawatankuasa, AJK Penilaian Audit Mqa, 2022 - 2022
9. Ahli Jawatankuasa, Buletin UniSZA, 2022 - 2022
10. Ahli Jawatankuasa, AJK Permurniaan Detailed Course Information (Dci) Mbbs, 2022 - 2022
11. Penilai Geran Dalam, Panel Penilai Geran, 2022 - 2022
12. Others, Penemubual Buletin UniSZA, 2022 - 2022
13. Editor, Penerbit UniSZA, 2022 - 2022
14. Ahli Jawatankuasa, Ahli Jawatankuasa dan Urusetia Program “medisza Team Building & Survival Camp”, 2022 - 2022
15. Ahli Lembaga Editor jurnal Lain-lain Indeks, Asian Journal of Medicine and Biomedicine

- (Ajmb), 2022 - 2022
16. Panel Penilai, Panel Penilai Bagi Bengkel Permurnian Proposal FRGS 2022 Fakult Perubatan, 2022 - 2022
 17. Penilai Geran Dalam, Panel Penilai FRGS, 2022 - 2022
 18. Others, Felo Asrama, 2021 - 2021
 19. Others, Felo Kolej Kediaman dan Kesihatan Pelajar, 2021 - 2022
 20. Editor, Penerbit UniSZA (Sidang Editor Buletin UniSZA), 2021 - 2022
 21. Ahli Jawatankuasa, Ahli Jawatankuasa (AJK) Mqa Program Ijazah Sarjana Muda Perubatan dan Pembedahan (Mbbs) Fakulti Perubatan, 2021 - 2021
 22. Ahli Jawatankuasa, Ahli Jawatankuasa (AJK) Penyelidikan dan Inovasi Fakulti Perubatan UniSZA, 2021 - 2021
 23. Ahli Jawatankuasa, Petugas Sukarelawan Pusat Pemberian Vaksin (Ppv), 2021 - 2021
 24. Sukarelawan, Fasilitator Pusat Pemberian Vaksin (Ppv) UniSZA, 2021 - 2021
 25. Penilai Geran Dalam, Panel Penilai Geran Dalam the Effects of Quercetin, 2021 - 2021
 26. Ahli Jawatankuasa, Pengerusi Jk Program Medisza Team Building & Survival Camp, 2020-2020
 27. Ahli Jawatankuasa, AJK Keselamatan dan Kesihatan Pekerjaan Fakulti Perubatan, 2020 - 2021
 28. Ahli Jawatankuasa, Ahli Jawatankuasa Penyelidikan Fp, 2020 - 2020
 29. Panel Penilai, Panel Penilai Permohonan DPU 2.0 2020, 2020 - 2020
 30. Penilai Soalan Peperiksaan, Examiners for Seq Paper in Professional I Examination (Ospe) 2019-2020, 2020 - 2020
 31. Ahli Jawatankuasa, Ppd Kurikulum Baharu Fp, 2020 - 2023
 32. Ahli Jawatankuasa, Ahli Jawatankuasa Spesifikasi Peralatan Perubatan Hospital Pengajar Universiti Sultan Zainal Abidin, 2019 - 2020
 33. Ahli Jawatankuasa, Profesional & Personal Development (Ppd Pre-Clinical Coordinator), 2019 - 2021
 34. Ahli Jawatankuasa Teknikal, AJK Teknikal Ucl, 2019 - 2019
 35. Ahli Jawatankuasa, Ahli Jawatankuasa Jaminan Kualiti Program Pembelajaran Sepanjang Hayat Bukan Formal & Tidak Formal, 2019 - 2019
 36. Ahli Jawatankuasa, Penyelaras Pertandingan Malaysian Brain Bee Challenge (Mbbc) 2020, 2019 - 2020
 37. Ahli Jawatankuasa, Ahli Jawatankuasa Dokumentasi Mqa Mbbs, 2019 - 2020
 38. Ahli Jawatankuasa, Ahli Jawatankuasa Dokumentasi Mqa Mbbs, 2019 - 2020
 39. Others, Penyedia & Pemeriksa Dokumen Fakulti Perubatan (2019-2020), 2019 - 2020
 40. Editor, Technical Editor - Asian Journal of Medicine and Biomedicine (Ajmb), 2018 - 2020
 41. Ahli Jawatankuasa, Ahli Jawatankuasa Peperiksaan Program Ijazah Sarjana Muda Bioperubatan (Kepujian) Semester II Sesi 2017/2018, 2018 - 2018
 42. Others, Penyelaras Kursus, Dbb 20503 Basic Pharmacology, Ijazah Sarjana Muda Bioperubatan (Kepujian) - Fakulti Sains Kesihatan, Universiti Sultan Zainal Abidin (UniSZA) Semester II Sesi 2017/2018, 2017 - 2018

Contribution to Community

1. Penggubal, Soalan Matrikulasi, Kementerian Pendidikan Malaysia, 2023 - 2023
2. Penilai Soalan Peperiksaan, Bahagian Matrikulasi, Kementerian Pelajaran Malaysia, 2022 - 2022
3. Others, Ketua Tempat Mengundi, Suruhanjaya Pilihan Raya Malaysia (Spr), 2022 - 2022
4. Juri/Hakim, Pemeriksa Stpm, 2022 - 2022
5. Penilai Jurnal Berindeks Scopus/ISI, Frontiers in Physiology-Hyper, 2021 - 2021
6. Ahli Jawatankuasa, Penyelaras Zon Pertandingan Kuiz Neurosains Bagi Sekolah Seluruh Malaysia, USM, 2020 - 2020
7. Penilai Jurnal Berindeks Scopus/ISI, Reviewer - Journal of Technology, 2020 - 2020
8. Penilai Soalan Peperiksaan, Pemeriksa Kertas Biologi Matrikulasi Kpm, 2020 - 2020
9. Fasilitator, Facilitator - Ppsa Career Talk with Alumni, UMT, 2019 - 2019
10. Panel Penilai, Pemeriksa Skrip Jawapan Biology 2, 2019 - 2019
11. Penilai Soalan Peperiksaan, Ahli Panel Pentaksir Soalan Matrikulasi, 2019 - 2019

