

Mohammad Johari Ibahim

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Birthday : 12 September 1980

Marital Status : Married with 5 children

Address (Home) : No 13, Jalan Seri Pagi 7, Saujana Utama, 47000 Sungai Buloh, Selangor, Malaysia

Address (Office) : Department of Biochemistry & Molecular Medicine, Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh Campus, Jalan Hospital, 47000 Sungai Buloh, Selangor

Carrier Summary

Mohammad Johari Ibahim is a Professor at the Department of Biochemistry and Molecular Biology. He has served in this department since 2007. His research focuses on the molecular mechanisms underlying the development of cancer resistance. He has developed expertise in *in-vitro* and *in-vivo* cancer models to study radioresistance events. Johari secured multiple research grants including FRGS and internal university funding. He published over 40 manuscripts in his research area and supervised postgraduate students (PhD and MSc). He is an ambassador for the European Association for Cancer Research (EACR) from 2017 - 2025.

Working Experience:

Year	Post
Mac 2026 - Present	Professor (Cancer Research), Department Biochemistry & Molecular Medicine, Faculty of Medicine, Universiti Teknologi MARA, Malaysia
Feb 2021 – Mac 2026	Associate Professor (Biochemistry) and Research Academician, Faculty of Medicine, Universiti Teknologi MARA, Malaysia
April 2015 – Feb 2021	Senior Lecturer (Biochemistry) and Research Academician, Faculty of Medicine, Universiti Teknologi MARA, Malaysia
Nov 2007 – April 2011	Lecturer (Biochemistry) and Research Academician, Faculty of Medicine, Universiti Teknologi MARA, Malaysia
June 2006 – Nov 2007	Lecturer, MAHSA University, Kuala Lumpur, Malaysia
March 2002 – May 2006	Graduate Research Assistant

Education:

Ph.D., Molecular Biology, University of Melbourne, April 2011 – April 2015

Thesis: Optimizing Synchrotron Microbeam Radiotherapy (MRT) for cancer treatment.

Certificate in Teaching and Learning

MAHSA College, Kuala Lumpur. 2007

Master Medical Science, National University of Malaysia, 2007

Thesis: Effect of vitamin E supplementation on lipid profile, immune response, antioxidant status and oxidative stress among older adult.

Bachelor Biomedical Science with Honours, National University of Malaysia, 2002

Thesis: Association between Reactive oxygen species level and anti-sperm antibody

Teaching Responsibility

1. Medical Biochemistry and Molecular Medicine for Medical student
2. Problem Based Learning

Publication

Summary of Publications

Indexed By	Quartile	Main Author	Senior Author	Co-Author	Total
WOS	Q1	3	2	1	6
	Q2	1	4	8	13
	Q3	1	2	2	5
	Q4	4	-	2	6
	EC-SI	-	-	-	-
SCOPUS	Q1	-	-	-	-
	Q2	-	-	-	-
	Q3	-	1	-	1
	Q4	3	1	5	9
MyCiTE		-	1	1	2
Non index		-	-	4	4
	Total	12	11	23	46

List of Full Publications

1. Bashiru Lukuman, Husain Murat, Mohamad Aminuddin Said, Yazid Yaakob, Mohamad Johari Ibahim, Dahlang Tahir, Muhammad Khalis Abdul Karim. 2026. Impact of body-mass-index (BMI) on effective dose of whole-body [18F] fluorodeoxyglucose PET/CT examinations. *Applied Radiation and Isotopes*. Volume 229: 112349. <https://doi.org/10.1016/j.apradiso.2025.112349>. (WOS, Q2)
2. Ronny Sham, N. F. ., Baharom Syed Ahmad Fuad, S. ., Khalis Abdul Karim, M. ., Julianna Osman, N. ., Othman, S. ., Hasan, N. ., Nor I'zzah Wan Mohamad Zain, W. ., Husainy Hasbullah, H. ., Abdul Hamid Hasani, N. ., & Johari Ibahim, M. . (2026). Gamma-ray irradiation differentially modulates PD-1 and CTLA-4 expression and tumour growth in parental and acquired radioresistant EMT6 mouse models. *Biomedical Research and Therapy*, 13(1), 8141-8152. <https://doi.org/10.15419/g5ywny29> (WOS, Q4).
3. Ali Ibrahim Mze, A., Abdul Rahman, A., Ibahim, M.J. et al. The role of glycoproteins in autophagy and apoptosis in colorectal cancer: A scoping review. *Med Oncol* 43, 110 (2026). <https://doi.org/10.1007/s12032-025-03197-z> . (WOS, Q2)
4. Raja Nur Firzanah Syaza Raja Sharin, Jesmine Khan, Mohammad Johari Ibahim, Joanne Bowen, Wan Nor I'zzah Wan Mohamad Zain. 2025. Lapatinib modulates Caco-2 intestinal monolayer permeability through ErbB1 inhibition-mediated tight junction alteration. *AsPac J. Mol. Biol. Biotechnol.* Vol. 33 (2): 8-23
5. Jaya, L., Amit, Z. Singa, T., Okechukwu, P. N., **Ibahim, M.J.**, Din, A. M., Froemming, G. R. A. 2024. Tapping Into *Tinospora crispa* and *Tinospora cordifolia* Bioactive Potentials Via Antioxidant, Antiglycation and GC-MS Analyses. *Malaysian Applied Biology*. 53(6), pp. 21–33 (**Indexed by SCOPUS, Q4**)
6. Halim, E, Kechik, MMA, **Ibahim, MJ**, Harun, HH, Shaffiq, SM, Yusof, AA. Karim, MK. 2024. Task-based assessment for radiation dose optimization in CT abdominal examinations: A phantom study. *Radiation Physics and Chemistry*. Vol 223. (**Indexed by WOS, Q1**)

7. Khamarudin, F. Muhamad, M, **Ibahim, MJ**, Zain, WNIWM, Aziz, MA, Ridzuan, NRA, Ab-Rahim, S. 2024. Establishment of humanised xenograft models as in vivo study for lung metastasis of osteosarcoma. *Immunotherapy Advances*. Vol 4. Issue1. **(Indexed by WOS, Q2)**
8. Sadikan, MZ, Nasir, NAA, **Ibahim, MJ**, Iezhitsa, I & Agarwal, R. 2024. Identifying the stability of housekeeping genes to be used for the quantitative real-time PCR normalization in retinal tissue of streptozotocin-induced diabetic rats. *International Journal of Ophthalmology*. Vol17 (5): 794-805. **(Indexed by WOS, Q2)**
9. Nur Fatihah Ronny Sham, Harissa Husainy Hasbullah, Narimah Abdul Hamid Hasani, Nurhaslina Hasan, Suraya Othman, Nora Julianna Osman, Muhammad Khalis Abdul Karim, Syed Baharom Syed Ahmad Fuad, **Mohammad Johari Ibahim**. 2024. Different concentrations of nivolumab reduce PD-1 expression but not tumour growth in an EMT6 mouse model. *Biomedical Research and Therapy*.11 (2). 6191-6197. **(Indexed by WOS, Q4)**
10. Khamarudin, F. Muhamad, M, Khan, J. **Ibahim, MJ**, Zain, WNIWM, Aziz, MA, Ridzuan, NRA, Ab-Rahim. 2023.The Interaction of Immune System in Tumour Microenvironment and Possible Role of Cancer Cell Immunosenitization for Better Treatment Efficacy: A Review. *Malaysian Applied Biology*. Vol. 52. Issue 6. 11-21 **(Indexed by SCOPUS, Q4)**.
11. Wan-Norafikah, O, Aliah-Diyanah, S, Atiqah-Izzah, Z. Chen, CD, Sofia n-Azirun, M., Lailatul-Nadhirah, **Ibahim, MJ**. 2023. Assessing the bioefficacy of a commercial temephos formulation (Temebate®) for controlling *Aedes albopictus* larvae in different land use localities in Malaysia. *Experimental Parasitology*. Vol 254. **(Indexed by WOS, Q3)**
12. Muhamad, LH, Karim, MKA, Chew, MT, Kechik, MMA, Shah, N, **Ibahim, MJ**, Saeed, IM. 2023. Atmospheric dispersion and dose assessment of ¹³⁷Cs and ¹³¹I from hypothetical incidents of nuclear power plant in Southeast Asia. *Radiation Physics and Chemistry*. Vol 208. **(Indexed by WOS, Q1)**
13. Nur Fatihah Ronny Sham, Narimah Abdul Hasani, Mohd Yusri Idorus, Muhammad Khalis Abdul Karim, Syed Baharom Syed Ahmad Fuad, Harissa Husainy Hasbullah, **Mohammad Johari Ibahim**. 2023. Optimization of CTLA-4 and PD-1 proteins in EMT6 Mouse Mammary Cancer Cells by Western Blot. *Malaysian Journal of Fundamental and Applied Sciences*. Volume 19 issue 2. **(Indexed by WOS, Q4)**
14. Nur Fatihah Ronny Sham, Narimah Abdula Hasani, Nurhaslina Hasan, Muhammad Khalis Abdul Karim, Syed Baharom Syed Ahmad Fuad, Harissa Husainy Hasbullah, **Mohammad Johari Ibahim**. 2023. Acquired radioresistance in EMT6 mouse mammary carcinoma cell line is mediated by CTLA-4 and PD-1 through JAK/STAT/PI3K pathway. *Scientific Reports*. Volume 13, Issue 1: 3108 **(Indexed by WOS, Q1)**
15. N Hasan, NAH Hasani, E Omar, NFR Sham, SBSA Fuad, MKA Karim, **MJ Ibahim**. 2023. A single targeted gamma-ray irradiation induced an acute modulation of immune cells and related cytokines in EMT6 mouse-bearing tumour model. *Cancer Biomarkers* Volume 38, Issue 1: 61 - 755 **(Indexed by WOS, Q3)**
16. Hairuddin, ON., Yahaya, BH., **Ibahim, MJ.**, Verakumarasivam, A., Choy, CS., Musalmah M., Ab Rahim, N., Dzulkarnain, SMH., Mansor, SF. 2023. Biomedical Research and Therapy Comparison of cancer stem cell enrichment between spheroids derived from single-cell and multicellular aggregate cultures. 10 (8), pp.5810-5830. **(Indexed by WOS, Q4)**
17. Wan-Norafikah, O., Atiqah-Izzah, Z., Chen, C. D., Sofian-Azirun, M., Lailatul-Nadhirah, A. & **Ibahim, M. J**. Evaluating the efficacy of commercial *Bacillus Thuringiensis Israelensis* for *Aedes Albopictus* larval control in various land use. *Serangga*. Vol 28 (3): 312 -320 **(Indexed by SCOPUS Q4)**.
18. Karim, M. K. A., Effendy, N., Abd Rahman, M. A., Kechik, M. M. A., **Ibahim, M. J.**, & Haniff, N. S. M. 2022. Stability and Reproducibility of Radiomic Features Based on Various Segmentation Techniques on Cervical Cancer DWI-MRI. *Diagnostics*, 12(12), 3125. **(Indexed by WOS, Q2)**.

19. Raja Nur Firzanah Syaza Raja Sharin, Jesmine Khan, **Mohamad Johari Ibahim**, Mudiana Muhamad, Joanne Bowen and Wan Nor I'zzah Wan Mohamad. 2022. Role of ErbB1 in the Underlying Mechanism of Lapatinib-Induced Diarrhoea: A Review. *BioMed Research International*. 2022. 4165808. (**Indexed by WOS, Q3**)
20. **Mohammad Johari Ibahim**, Narimah Abdul Hamid Hasani, Fatimah Ronny Sham, Effat Omar, Syed Baharom Syed Ahmad Fuad, Muhammad Khalis Abdul Karim, Nurhaslina Hasan. 2022. Development of flow cytometry analysis on measuring tumour immune microenvironment (TIME) in mice bearing EMT6-tumour model. *As. Pac J. Mol. Biol. Biotechnol.* 2022 Vol. 30 (3): 135-142. (**Indexed by SCOPUS, Q4**).
21. Teknowillie Anak Singa, Patrick Nwabueze Okechukwu, Zunika Binti Amit, **Mohammad Johari Ibrahim**, Marina Kapitonova, and Gabriele Ruth Anisah Froemming. (2022). The ameliorating effects of *Tinospora* species on the formation of advanced glycation end-products (AGEs) and associated oxidative stress. *Medicinal Plants*, 14, 405-420. doi: 10.5958/0975- 6892.2022.00044.2. (**Indexed by SCOPUS, Q4**).
22. Raja Nur Firzanah Syaza Raja Sharin, Wan Nor I'zzah Wan Mohamad Zain, Jesmine Khan and **Mohammad Johari Ibahim**. 2022. The ErbB1-Dependent Effect of Recombinant Epidermal Growth Factor (rEGF) Against Lapatinib-Induced Cytotoxicity in Caco-2 Human Intestinal Cells. *ESTEEM Academic Journal*. Vol. 18, 12-19 (**Indexed by Mycite**).
23. Khamarudin, F., Muhamad, M., **Ibrahim, M. J.**, Zain, W. M., I'zzah, W. N., & Ab-Rahim, S. (2022). In vitro cell proliferation assay for measuring the cytotoxic effects of spironolactone (SPIR) in osteosarcoma cell line. *ESTEEM Academic Journal*, 18, 103-111. (**Indexed by Mycite**)
24. SFM Radzi, MKA Karim, MI Saripan, MAA Rahman, INC Isa, **MJ Ibahim**. 2021. Hyperparameter Tuning and Pipeline Optimization via Grid Search Method and Tree-Based AutoML in Breast Cancer Prediction. *Journal of Personalized Medicine* 11 (10), 978. (**Indexed by WOS, Q2**)
25. NSM Haniff, MK Abdul Karim, NH Osman, MI Saripan, IN Che Isa & **MJ Ibahim**. 2021. Stability and Reproducibility of Radiomic Features Based Various Segmentation Technique on MR Images of Hepatocellular Carcinoma (HCC). *Diagnostics* 11 (9), 1573. (**Indexed by WOS, Q2**)
26. N Hasan, NFR Sham, MKA Karim, SBSA Fuad, NAH Hasani, E Omar, **MJ Ibahim**. 2021. Development of custom lead shield and strainer for targeted irradiation for mice in the gamma cell chamber. *Scientific reports* 11 (1), 1-7 (**Indexed by WOS, Q1**)
27. Harun HH, Karim MKA, Abbas Z, Sabarudin A, Muniandy SC, **Ibahim MJ**. 2020. Effect of iterative reconstruction algorithm levels on noise index and figure-of-merit in CT pulmonary angiography examinations. *J Xray Sci Technol*. 24. doi: 10.3233/XST-200699. Epub ahead of print. PMID: 32741801 (**Indexed by SCOPUS, Q3**)
28. Sham, N.F.R., Hasan, N., Hasani, N.A.H, Karim M.K. & **Ibahim M.J.** 2020. Study of morphological changes and survival fraction in EMT6 cell line post-gamma ray irradiation *Journal of Physics: Conference Series*, 2020 (**Indexed by SCOPUS, Q4**)
29. Muhammad, N.A., Karim, M.K.A., Hassan, H.A., Kamarudin, M.A., Wong, J.H.D.& **Ibahim, M.J.** 2019. Estimation of effective dose and organ cancer risk from paediatric computed tomography thorax–Abdomen–Pelvis examinations. *Radiation Physics and Chemistry*, 108438 (**Indexed by WOS, Q2**)
30. Karim, M.K.A., Rahim, N.A., Mustafa, S.N.S., Sabarudin, A. & **Ibahim M.J.** 2019. Assessment of radiation effective dose from lung cancer screening pilot project in Institut Kanser Negara: A preliminary finding, *Journal of Physics: Conference Series* 1248 (1), 012012 (**Indexed by SCOPUS, Q4**)
31. Yuqing Yang, Agnieszka Swierczak, **Mohammad Ibahim**, et al. 2019. Synchrotron microbeam radiotherapy evokes a different early tumor immunomodulatory response to conventional radiotherapy in EMT6. 5 mammary tumors. *Radiotherapy and Oncology*. 133; 93-99 (**Indexed by WOS, Q1**)

32. Aziz, NA, Froemming, GRA., Kadir, SHSA & **Ibahim, MJ.** 2018. Apigenin increases cisplatin inhibitory effects on the telomerase activity of triple negative breast cancer cells. *Jurnal Teknologi*. Vol:80 (1). 123 – 132 (**Indexed by WOS, Q3**)
33. Hasani, NAH, Amin, IM., Kamaludin, R., Rosdy, NMMNM., **Ibahim, MJ.** & Kadir, SHSA 2018. p53 and cyclin B1 mediate apoptotic effects of apigenin and rutin in era⁺ breast cancer MCF-7 cells. Vol:80 (1). 133 – 1140 (**Indexed by WOS, Q3**)
34. Syed Bahrom SAF Zar Chi T, Ahmad Ruzain S, **Mohammad Johari Ibahim.** 2017. Anomalous Third Head of Biceps Brachii Muscle and its Variant Insertion Compresses Surrounding Neurovascular Structure: A Rare Case Report. *Medical & Health* 12 (2), 368-374
35. Al-Rashidi R.R, **Ibahim MJ**, Hamid Hasani NA & Froemming GRA. 2016. Tinospora crispa extract enhances cisplatin-induced apoptosis in triple negative breast cancer cells. *Regenerative Research* 4(2) 1 - 10
36. **Ibahim, M. J.**, Crosbie, J. C., Paiva, P. Yang, Y., et al. 2016. An evaluation of novel real-time technology as a tool for measurement of radiobiological and radiation induced bystander effects. *Radiation and Environmental Biophysics Journal*. 55 (2): 185 -194 (**Indexed by WOS, Q4**)
37. **Mohammad Johari Ibahim**, Jeffrey C. Crosbie, Yuqing Yang, et al. Eosinophil associated gene pathways but not eosinophil numbers are differentially regulated between Synchrotron broad beam and Synchrotron microbeam radiation therapy by 48 hours post-irradiation. 2016. *Radiation Research*. 185: 60 -68. (**Indexed by WOS, Q2**)
38. **Mohammad Johari Ibahim**, Jeffrey C. Crosbie, Yuqing Yang, et al. 2014. An Evaluation of Dose Equivalence between Synchrotron Microbeam Radiation Therapy and Conventional Broadbeam Radiation Using Clonogenic and Cell Impedance Assays. 2014. *PLOS ONE*. Vol 9 (6): e100547 – e100556 (**Indexed by WOS, Q1**)
39. Yuqing Yang, Jeffrey C Crosbie, Premila Paiva, **Mohammad Ibahim**, Andrew Stevenson & PeterAW Rogers. 2014. In vitro study of genes and molecular pathways differentially regulated by synchrotron microbeam radiotherapy. 2014. *Radiation Research*. Vol 186 (6). 626 – 639 (**Indexed by WOS, Q2**)
40. Rogers, P, Yang, YQ, Ibahim, M., Paiva, P, Swierczak, A., Stevenson, A, Crosbie, J ; Anderson, R.. 2014. Biological response of tumours and normal tissues to synchrotron microbeam radiation therapy (MRTt). *Asia-pacific Journal of Clinical Oncology*. Vol 10 (Supp 8). 99 (**Indexed by WOS, Q4**).
41. Al-Rashidi, **Ibahim MJ**, Hamid Hasani NA & Froemming GRA. Tinospora crispa is ameliorating Cisplatin-induced toxicity and genotoxicity in breast epithelial cells. 2013 *Regenerative Research* 2(1) 31-40.
42. Abidin, S. Z., **Ibahim, M. J.**, Rajikin, M. H. & Satar, N. A. Determination of vitamin E isomers in plasma using ultra performance liquid chromatography. 2012. *The Malaysian Journal of Analytical Sciences*, Vol 16 No 1: 71 – 78 (**Indexed by Scopus, Q4**).
43. **Ibahim M.J.**, Wan Nor Izzah W.M.Z, Froeming G.A.R. Antiproliferative and activity of Tinospora crispa. 2011. *Biomedical Research*, Issue 22 (1): 57 – 62. (**Indexed by Scopus, Q4**).
44. MM Daud, **MJ Ibrahim**, GRA Froemming & NAH Hasani. P121 The anti-proliferative effect of Aloin and Aloe emodin on MCF-7 and MDA-MB-231 breast cancer cells. 2011. *The Breast*. 20: S2. (**Indexed by WOS, Q2**)
45. Siok-Fong Chin, **Johari Ibahim**, Suzana Makpol, et al. Tocotrienol rich fraction supplementation improved lipid profile and oxidative status in healthy older adults: A randomized controlled study. 2011. *Nutrition & Metabolism*, Vol 8 (1): 42 - 56 (**Indexed by WOS, Q2**)
46. **Mohammad Johari Ibahim**, Wan Nor I'zzah & Gabriel Anisah Froemming. 2010. Effect of Tinospora crispa on MCF-7 cell line viability and morphology. *Malaysian Journal of Microscopy*, Vol 6: 36 – 42
47. Siok-Fong Chin, Noor Aini Abdul Hamid, Azian Abdul Latiff, Zaiton Zakaria, Musalmah Mazlan, Yasmin Anum Mohd Yusof, Aminuddin Abdul Karim, **Johari Ibahim**, Zalina

Hamid & Wan Zurinah Wan Ngah. 2008. Reduction of DNA damage in older in older healthy adults by Tri E tocotrienol supplementation. *Nutrition*, Vol 24 (1): 1-10 (**Indexed by WOS, Q2**)

List of Proceeding (Abstract and Full Papers)

1. Othman Wan-Norafikah, Sharifah Aliah-Diyanah, Zaifol Atiqah-Izzah, Chen Chee Dhang, Mohd Sofian-Azirun, Asri Lailatul-Nadhirah, Noor Izuddin Nureen-Afrina & **Ibrahim Mohammad-Johari**. 2024. Preliminary evaluation on the larvicidal activity of a commercial organophosphate temephos (Temebate®) against *Aedes albopictus* larvae in West Malaysia. 7th Scientific Seminar Entomology & Pest.
2. Othman Wan-Norafikah, Sharifah Aliah-Diyanah, Zaifol Atiqah-Izzah, Chen Chee Dhang, Mohd Sofian-Azirun, Asri Lailatul-Nadhirah, Noor Izuddin Nureen-Afrina & **Ibrahim Mohammad-Johari**. Verifying the efficacy of bacillus THURINGIENSIS ISRAESENSIS product in eradicating aedes ALBOPICTUS larvae in peninsular malaysia. 2023. 5th International Symposium on Insects 2023 11th – 13th September 2023. Page 154
3. F. Khamarudin, M. Muhamad, **M. Johari I**, W.N.I. WMZ, N.R. Adib Ridzuan, M. Abdul Aziz, S. Ab-Rahim. The Trafficking of Natural Killer Cells by Rosiglitazone in Onco-immunotherapy of Xenograft Osteosarcoma Mouse Model. *FEBS Open Bio*. Page 96
4. Raja Nur Firzanah Syaza Raja Sharin, Jesmine Khan, **Mohammad Johari Ibahim**, Wan Nor I'zzah Wan Mohamad Zain. Lapatinib alters Caco-2 intestinal epithelial monolayer via ErbB1 inhibition. International Meeting - 47th Annual Conference of the Malaysian Society for Biochemistry & Molecular Biology (MSBMB). Page 55.
5. Wan Nor I'zzah Wan Mohamad Zain Raja Nur Firzanah Syaza Raja Sharin, Jesmine Khan, **Mohammad Johari Ibahim**. 2022. In vitro Caco-2 Intestinal Monolayer Model to Assess Lapatinib Modulates Tight Junction Structure and Barrier Function via ErbB1 Inhibition. The 30th Scientific Conference of Microscopy Society of Malaysia (SCMSM). Page 45
6. Raja Nur Firzanah Syaza Raja Sharin, Jesmine Khan, **Mohammad Johari Ibahim**, Wan Nor I'zzah Wan Mohamad Zain. 2022. Association of ERBB1 and tight junction proteins: analyses on lapatinib-induced changes in caco-2 intestinal monolayer permeability The 46th Annual Conference of the Malaysian Society for Biochemistry and Molecular Biology. Page 174.
7. Raja Nur Firzanah Syaza Raja Sharin, Wan Nor I'zzah Wan Mohamad Zain*, Jesmine Khan and **Mohamad Johari Ibahim**. 2021. In Vitro Intestinal Model To Study Lapatinib-Induced Changes In Gut Permeability: A Preliminary Model. International Innovation, Design and Articulation i-IDeA. Page 130 -136
8. Raja Nur Firzanah Syaza Raja Sharin, Wan Nor I'zzah Wan Mohamad Zain, Jesmine Khan, **Mohammad Johari Ibahim**. 2020. Development of an in vitro Caco-2 Intestinal Model to Study Lapatinib-Induced Changes in Gut Permeability. International Biology Symposium 2020 (InBioSymp2020).
9. Raja Nur Firzanah Syaza Raja Sharin, Wan Nor I'zzah Wan Mohamad Zain, Jesmine Khan, **Mohammad Johari Ibahim**. 2020. Antiproliferative Effect of Lapatinib, an ErbB1/ErbB2 Tyrosine Kinase Inhibitor, on Caco-2 Human Colorectal Cancer Cell Line. International E-conference on Biotechnology, Bioinformatics & Biomedicine (IECBB 2020). Page 94
10. **Mohammad Johari Ibahim**. 2019. Development of Custom Lead Shield and Strainer for Targeted Irradiation for Mice in Gamma Cell Chamber. The 6th International Conference on Science and Social Research. Page 25

Book Chapter

1. DNA Analysis in Junior Scientist Day: A Crime Scene Investigation (CSI) Experience. 2022. Page 41-48. UiTM Press. E-978-967-363-860-4

Research Grants

Summary of Research Grant

Role	On-Going	Amount (RM)	Completed	Amount (RM)	Total amount
Principal Investigator	2	214,013	8	573,200	787,213
Co-Researcher	4	476,744	15	1,054,740	1,531,484
Total	6	690,797	23	1,627,697	2,318,697

List of Grant as Principal Investigator

No	Title	Amount (RM)	Source	Date
1.	Elucidating the role of PD-1 protein overexpression on breast cancer cell resistance in relapsed and newly diagnosed patients	164,013	FRGS	Aug 2024 To July 2027
2.	Investigation on the inhibitory effect of CTLA-4 protein in human breast cancer treated with gamma-ray irradiation using 3D tissue culture technique	50,000	Bestari Grant, UiTM	Dec 2023 To Jun 2026
3.	Investigation on the role of CD8+ in tumor microenvironment if human breast cancer using 3D cell culture model	20,000	Faculty of Medicine Research Grant	Jul 2023 To June 2025
4.	Investigation of the role of CD8+ and its chemokine in radio-resistant breast cancer cell to gamma-ray irradiation using the 3D culture system	179,800	FRGS	Sep 2019 to Dec 2023
5.	Investigation of eosinophil granule proteins gene expression in human breast cancer cell line resistant to gamma-ray irradiation: in vitro and vivo studies	35,000	Bestari Grant, UiTM	Jan 2018 to Dec 2019
6.	Role of eosinophils in the tumorigenic effect of breast cancer in mouse model post-radiotherapy treatment	25,000	Geran Insentif Penyelidikan, UiTM	Sep 2018 To Feb 2020
7.	Investigating the role of eosinophils in the progression of breast cancer in mouse model post-radiotherapy treatment	123,200	FRGS	Aug 2016 To Oct 2020
8.	Deactivation of telomerase activity in triple negative breast cancer cells by <i>Tinospora crispa</i> (Batawali) extracts (Changed leader due to study leave)	126,600	ERGS	Jul 2011 To Dec 2013
9.	Molecular mechanism involved in <i>T. Crispa</i> (batawali) induced cell death in mcf-7 breast cancer cell (Changed leader due to study leave)	53,600	FRGS	Aug 2010 To April 2013
10.	Cytotoxicity potential and antioxidant activity of <i>Tinospora Crispa</i> (Batawali)	10,000	DANA UiTM	May 2008 To Sep 2009
	Total	787,213		

List of grants as Co-researcher

No	Title	Amount (RM)	Source	Date
1.	Investigating the inhibitory role of MIR-1299 on the STAT3 signalling pathway in tumor-associated macrophage reprogramming	30000	DUCS	Oct 2025 – Oct 2027
2.	Elucidating the effect of lapatinib, a small molecule tyrosine kinase inhibitor, on intestinal permeability: The role of tight junction proteins	162,574	FRGS	Aug 2024 To July 2027
3.	Elucidating upregulation of progesterone receptor and downregulation of CD163+ by low-dose aspirin to overcome progestin resistance in stage i endometrioid carcinoma of endometrium receiving high-dose medroxyprogesterone acetate	141,770	FRGS	Aug 2024 To July 2026
4.	Investigation of the in vitro effects of penfluridol and 5-fluorouracil (5-FU) on autophagy-mediated apoptosis and radiosensitization in human colorectal cancer cells	142,400	FRGS	Oct 2023 To Sep 2026
5.	Elucidation of <i>Aedes Albopictus</i> resistance mechanisms to mosquito control insecticides following agricultural glyphosate exposure	143,500	FRGS	Sep 2022 To Aug 2025
6.	Elucidating the cellular and molecular mechanisms of oral mucosal wound healing by Malaysian <i>Holothuria Leucospilota</i>	131,130	FRGS	Sep 2022 To Aug 2025
7.	Elucidating the mechanism of radioresistance in EMT6 mouse mammary carcinoma to gamma-ray irradiation in mouse bearing tumor model	20000	Geran Lestari UiTM	Dec 2020 to June 2023
8.	Corroboration of anticancer effects of Malaysian <i>Holothuria Leucospilota</i> against oral squamous cell carcinoma	20000	Geran Khas Penyelidikan UiTM	Dec 2020 to June 2023
9.	Susceptibility profiles of <i>aedes albopictus</i> from agrarian sites against public health insecticide	20000	Geran Khas Penyelidikan UiTM	Dec 2020 to June 2023
10.	Fundamental study of CMOS with in-pixel intelligence in three-dimensional optical computed tomography dosimetry system developed in-house.	158,810	FRGS	Sep 2019 To Dec 2023
11.	Lapatinib-induced changes in CACO-2 intestinal monolayer and intervention with recombinant epidermal growth factor receptor (REGFR).	51,200	FRGS-Racer	Sep 2019 To May 2022
12.	Mechanism of the enhancement of immunecells sensitization and trafficking in osteosarcoma by spironolactone and rosiglitazone towards adoptive immunotherapy in mice.	229,800	FRGS	Jan 2019 To Sep 2022
13.	Investigation of spironolactone immunosensitisation cells line (MG-63)	30,000	Bestari Grant, UiTM	Jan 2018 To Dec 2019
14.	Neuroprotective effects of palm tocotrienol	20,000	Lestari Grant,	Jul 2017

	and tocopherol on traumatic facial nerve injury in rats		UiTM	To Dec 2019
15.	Molecular and cellular protective mechanisms of theaflavin on endothelial cells as a model of atherogenesis	77,000	FRGS	March 2010 To Jul 2013
16.	The apoptosis effect of aloin and emodin on the signaling transduction pathways in breast cancer cells	72,500	FRGS	March 2010 To Nov 2012
17.	The effect of aloin and emodin on apoptosis in breast cancer cells	30,000	DANA Kecernerlan gan, UiTM	Jan 2010 To April 2013
18.	Potential protective mechanism of tocotrienol against oxidative stress-induced DNA aberration in the preimplantation embryos in stressed mice	40,800	FRGS	Aug 2009 To Nov 2012
19.	Anticancer studies of crude extract and essential oil from <i>Eugenia Aromaticum</i>	10,000	DANA Kecernerlan gan, UiTM	May 2008 To Oct 2009
	Total	1,531,484		

Postgraduate Supervision

Summary of Postgraduate Supervision

Program	Status	Main Supervisor	Co-supervisor	Total
PhD	Graduated	2	2	4
	Ongoing	1	3	4
Masters	Graduated	1	3	4
	Ongoing	0	3	3
	Total	4	11	15

List of students

a. As Main Supervisor

- Name of Student** : **ROS AKMAL BINTI MOHD IDRIS**
Student ID : 2025379379
Level of study : Doctor of Philosophy (MD990), Faculty of Medicine, UiTM
Title of research : ELUCIDATING THE ROLE OF PD-1 PROTEIN OVEREXPRESSION ON BREAST CANCER CELL RESISTANCE IN RELAPSED AND NEWLY DIAGNOSED PATIENTS
Starting Year : 2025 (On-going)

2. Name of Student : Nur Fatihah Ronny Sham
 Student ID : 2019111575
 Level of study : Doctor of Philosophy (MD990), Faculty of Medicine, UiTM
 Title of research : Investigation of gene expression and protein pathway in EMT6 cell line resistant to gamma-ray irradiation
 Starting Year : 2019 (Graduated 2024)

3. Name of Student : Omar Nafiis Bin Hairuddin
 Student ID : 2020297848
 Level of study : Master of Medicine (MD780), Faculty of Medicine, UiTM
 Title of research : Characterization of bladder cancer stem cells resistant to cisplatin
 Starting Year : 2020 (Graduated 2024)

4. Name of Student : Nurhaslina Hasan
 Student ID : 2017168507
 Level of study : Doctor of Philosophy (MD990), Faculty of Medicine, UiTM
 Title of research : Role of Eosinophils in the progression of breast cancer in mouse model post radiotherapy treatment
 Starting Year : 2018 (Graduated in 2022)

As Co- Supervisor

1. Name of Student : NURUL FATHIAH BINTI HAIRUL ANUAR
 Student ID : 2025599107
 Level of study : Doctor of Philosophy (MD990), Faculty of Medicine, UiTM
 Title of research : ROLE OF TIGHT JUNCTION PROTEINS IN THE UNDERLYING MECHANISM OF LAPATINIB-INDUCED DIARRHOEA
 Starting Year : 2025 (On-going)

2. Name of Student : Asma Ali Ibrahim Mze
 Student ID : 2024300363
 Level of study : Doctor of Philosophy (MD990), Faculty of Medicine, UiTM
 Title of research : Investigating the in vitro effects of penfluridol and 5-fluorouracil (5-FU) on autophagy mediated apoptosis and radiosensitization in human colorectal cancer
 Starting Year : 2024 (On-going)

3. Name of Student : Lailatul Nadhirah Binti Asri
 Student ID : 2023714435
 Level of study : Doctor of Philosophy (MD990), Faculty of Medicine, UiTM
 Title of research : The involvement of insecticide resistance mechanisms in dengue vectors upon successive selection of agricultural glyphosate and mosquito control insecticides
 Starting Year : 2023 (On-Going)

- 4. Name of Student : Nur Farha Nabilah Fadzel**
Student ID : 2024158487
Level of study : Master of Science (Dentistry) (DS750), Faculty of Dentistry, UiTM
Title of research : The effects of *Holothuria Leucospilota* extract on the healing process of traumatic oral ulcer
Starting Year : 2024

- 5. Name of Student : Nurul Fitriyyah Mohd Alwi**
Student ID : 2024459912
Level of study : Master of Medicine (MD780), Faculty of Medicine, UiTM
Title of research : Elucidating upregulation of progesterone receptor and downregulation of CD163+ by low-dose aspirin to overcome progestin resistance in stage i endometrioid carcinoma of endometrium undergoing fertility-sparing treatment with high-dose medroxyprogesterone acetate
Starting Year : 2024

- 6. Name of Student : Mukaramah Bin Zainal**
Student ID : G2215838
Level of study : Doctor of Philosophy in Dental Science, Faculty of Dentistry, IIUM
Title of research : Elucidation on the role of Phenotypic switching of *candida auris* in oral squamous cell carcinoma (OSCC) in vitro model

- 7. Name of Student : Farhana Binti Khamarudin**
Student ID : 20195188053
Level of study : Doctor of Philosophy (MD990), Faculty of Medicine, UiTM
Title of research : Investigation on the enhancement of adoptive immunotherapy using spironolactone (SPIR) and rosiglitazone (RGZ) in osteosarcoma mouse model
Starting Year : 2023 (Graduated 2026)

- 8. Name of Student : Nur Amira Binti Dol Ramli**
Student ID : 2022717383
Level of study : Master of Science (Dentistry) (DS750), Faculty of Dentistry, UiTM
Title of research : Evaluating The Anticancer Effects of Malaysian *Holothuria Leucospilota* Against Oral Squamous Cell Carcinoma
Starting Year : 2022 (On-going)

- 9. Name of Student : Raja Nur Firzanah Syaza Binti Raja Sharin**
Student ID : 20195188053
Level of study : Master of Science (Medicine)(MD880), Faculty of Medicine, UiTM
Title of research : Underlying mechanism of erbb1 in the caco-2 intestinal monolayer induced by lapatinib treatment and intervention with recombinant growth factor receptor (REGFR)
Starting Year : 2020 (Graduated 2023)

- 10. Name of Student : Noorfaiza A. Aziz**
 Student ID : 2012293512
 Level of study : Master of Science (Medicine)(MD780), Faculty of Medicine, UiTM
 Title of research : Effect of apigenin and cisplatin on telomerase activity and expression of its structural proteins in triple negative breast cancer
 Starting Year : 2013 (Graduated 2017)
- 11. Name of Student : Roziana Kamaludin**
 Student ID : 20102932359
 Level of study : Master of Science (Medicine)(MD780), Faculty of Medicine, UiTM
 Title of research : Molecular mechanism involved in *T. Crispa* (Batawali) induced cell death in mcf breast cancer
 Starting Year : 2011 (Graduated 2016)

Invitation As reviewer/ external examiner/ grant evaluator and judge

a. Thesis examiner and Chairperson of Viva

No	Year	Name	Level	Role	Invited By	National / International
1.	Dec 2025	Amir Muhaimin Akmal Shukri	PhD	Examiner	UiTM	National
2.	02/09/2025 - 11/09/2025	External Examiner for Profesional Exam	MBBS	External Examiner	MAHSA University	National
3.	April 2024	Norazimah Tajudin (2021874808)	MSc	Examiner	UiTM	National
4	April 2024	Siti Liyana Saud Gany (P109059)	PhD	Examiner	UKM	National
5.	May 2023	Nur Fatin Nabila Mohd Sahardi (P100012)	PhD	Examiner	UKM	National
6	Feb 2023	Dr Nik Fatin Sarah Nik Mhd Abdul Nasser	PhD	Chairperson	UiTM	University
7.	July 2021	Dr. Nur Zety Mohd Noh	PhD	Chairperson	UiTM	University
8.	June 2020	Mohd Shahril Mohd Shamsul	MSc	Examiner	UKM	National
9.	June 2020	Hina Mir	PhD	Examiner	Gomal University, Pakistan	International

b. Reviewer

No	Date	Organizer/ Journal	Title
1.	Feb 2026	Scientific Report Journal	Radiation Therapy suppressed breast cancer via promoting T cell activation associated PTPRC/LCK/PI3K/CDK9/BRD4/SHP2 signalings
2.	20/05/2025 - 26/06/2025	International Journal of Pharmaceuticals, Nutraceuticals, and Cosmetic Science (IJPNACS)	Multi-faceted roles of BRCA-1 associated protein 1 in cancer malignancies and current therapeutic interventions
3.	01/07/2024 - 31/12/2024	Ministry of Higher Education Malaysia	Penaziran Laporan Pemantauan Dana Penyelidikan KPT 2024
4.	Jun 2024	Ministry of Higher Education Malaysia	Penaziran Laporan Pemantauan Dana Penyelidikan KPT 2024
5.	Sep 2023	Scientific Research Journal	"The bioactivity potential of Acmella Paniculata plant extract in antioxidant activity.
6.	Jul 2023	Book Evaluator, Universiti Kebangsaan Malaysia	Peranan Telomer Dan Telomerase Semasa Penuaan Sel Dan Modulasinya Oleh Tokotrienol Sawit
7.	May 2023	Ministry of Higher Education Malaysia	Penaziran Laporan Pemantauan Dana Penyelidikan KPT 2023
8.	Oct 2022	Ministry of Higher Education Malaysia	Penaziran Laporan Pemantauan Dana Penyelidikan KPT Fasa 2 2022
9.	July 2022	Book Evaluator, Universiti Kebangsaan Malaysia	Petua Ukuran Status Oksidatif
10.	May 2022	Asia Pacific Journal of Molecular and Biotechnology	Primer characterization of in-house Real- time PCR (RT-PCR) for BCL2 Gene with Saliva Sample
11.	April 2022	Journal of Radiation Research and Applied Sciences	A Novel And Feasible Mouse Model of Modified Inoculation Method by Subcutaneous EMT6 Cells Injection for Subclinical Breast Cancer
12.	Oct 21	Journal of Radiation Research and Applied Sciences	Comparative cytotoxic activity of Lutein or Cisplatin doped with liposomes against breast cancer cell line exposed to Radiotherapy
13.	May 2021	Journal Research of Radiation and Applied Sciences	Vitamin D and Asymmetric Dimethylarginine in children with bronchial asthma
14.	March 2021	Journal Research of Radiation and Applied Sciences	Tumor Necrosis Factor Receptor.2 and Anti- ribosomal P antibodies as biomarkers in juvenile neuropsychiatric Systemic Lupus Erythematosus
15.	Feb 2020	Journal Research of Radiation and Applied Sciences	Effect of UV-A on vincristine biosynthesis and related peroxidase isozyme changes in Catharanthus roseus
16.	Jan 2020	Journal Research of Radiation and Applied	Physicochemical features and

		Sciences	structural analysis of xanthine oxidase as a potential therapeutic target to prevent gout
17.	Mac 2019	International Conference on Multidisciplinary Research 2019	The effects of temperature and solvent system in extracting of phenolic compound from longan peel using solvent extraction method and its antioxidant activity
18.	August 2018	3 rd International Conference on Science and Social Research, CSSR2016	Immunohistochemical Detection of DEF6 Protein in Oral Cancer
19.	September 2017	ICOFA 2017	Methylation Inhibition Effect of 5-aza-2'- deoxycytidine on Cell Viability in Oral Cancer Cell Line
20.	May 2017	3 rd International Conference on Science and Social Research, CSSR2016	Fluid Processing Apparatus with Microcarrier Beads Enhances Protein and Gene Expression Of Inflammatory Biomarkers By Human Endothelial Cells Compared To Conventional Cell Culture Flasks

c. Grant and Postgraduate Proposals Evaluators

No.	Date	Organizer/ journal	Title
1.	1/01/2025 - 31/12/2025	Evaluator, KPT Research Grant (UiTM Level) (Prototype Research Grant Scheme)	Development of a Prototype 3D Optical CT Dosimetry System for Advanced Radiotherapy Applications and Imaging Education
2.	September 2025	Evaluator, UiTM-Maybank Research Grant	1. Zakat Empowerment Program: Migrating Asnaf Entrepreneurs to Economic Independence via Childcare Sector 2. Bridging the Zakat Literacy Gap in Urban Malaysia: The Role of Fintech and Institutional Trust
3.	5/09/2024 - 05/09/2024	Social Innovation Grant Evaluation Panel, UiTM	Geran Inovasi Sosial - 5-7 Geran Dinilai
4.	Nov 2023	CE-SIR Grant, RMC, TNCPI Office, UiTM	The Development of Dietitian Mobile Application Support (eMama) for Postnatal Mothers
5.	Nov 2023	CE-SIR Grant, RMC, TNCPI Office, UiTM	Ergonomic risk assessment amongst dental professionals and dental assistants practicing and providing treatment under general anaesthesia
6.	Nov 2023	CE-SIR Grant, RMC, TNCPI Office, UiTM	Genetic diversity of the human head lice, <i>Pediculus humanus capitis</i> among Orang Asli children of Kuala Pilah

7.	Nov 2023	CE-SIR Grant, RMC, TNCPI Office, UiTM	Cytokine modulation and histopathological effects of <i>Azadirachta indica</i> extract on <i>Pomacea canaliculata</i>
8.	Nov 2022	CE-SIR Grant, RMC, TNCPI Office, UiTM	Association between gestational weight gain (GWG) with maternal intrapartum complications in women who received antenatal care in Klinik Kesihatan Selayang Baru Selangor, Malaysia.
9.	Nov 2022	Myra Research Grant, RMC, TNCPI Office, UiTM	De novo tamoxifen resistance in breast cancer patients: search for new predictive metabolite biomarkers for routine clinical monitoring
10.	Nov 2022	Myra Research Grant, RMC, TNCPI Office, UiTM	Anti-proliferative effect of halcone derivatives against breast cancer: In silico and in vitro approaches.
11.	Nov 2022	Myra Research Grant, RMC, TNCPI Office, UiTM	Elucidating the secondary structure of novel Cdt2 ligase receptor, A potential drug target in cancer cell lines
12.	Feb 2020	Faculty of Medicine, Universiti Teknologi MARA, Kampus Sungai Buloh, Selangor	Fundamental Research Grant Scheme (FRGS) proposal evaluation at Faculty Level.
13.	April 2019	Postgraduate Program, Faculty of Medicine, Universiti Teknologi MARA	Defense Research Proposal conversion from MSc to PhD
14.	February 2019	Faculty of Medicine, Universiti Teknologi MARA, Kampus Sungai Buloh, Selangor	Fundamental Research Grant Scheme (FRGS) proposal evaluation at Faculty Level.
15.	March 2018	Institute for Research, Management and Innovation, Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia	Fundamental Research Grant Scheme (FRGS) proposal evaluation at University Level
16.	May 2017	Postgraduate Program, Faculty of Dentistry, Universiti Teknologi Mara	Defense Research Proposal Master of Science
17.	April 2017	Institute for Research, Management and Innovation, Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia	Lestari Grant and Supervisory Incentive Grant at University Level

d. Judge

No.	Date	Organizer/ journal	Role
1.	August 2023	Medic Olympiad Quiz	Judge
2.	July 2023	Inter batch Debate Championship, Faculty of Medicine UiTM	Judge
3.	Oct 2022	Daie Muda, UiTM Kampus Selangor	Judge
4.	Sept 2022	Medic Olympiad Quiz	Judge
5.	April 2021	Intervarsity Medic Olympiad (IVMO) 2021	Judge
6.	Sept 2020	PhD Scholarship Panel Interviewer, Human Life Advance Foundation	Interviewer
7.	August 2019	Elective Program, Faculty of Medicine, Universiti Teknologi MARA, Kampus Sungai Buloh, Selangor	Judge for Poster Presentation
8.	October 2018	National Scientific Conference on Medical and Health Sciences, Institute Latihan Kementerian Kesihatan Malaysia, Sungai Buloh Selangor	Judge for oral presentation
6.	Sept 2020	PhD Scholarship Panel Interviewer, Human Life Advance Foundation	Interviewer

Administrative task at University and Faculty/ Hospital UiTM**a. University**

- 1) Head, Research Monitoring Unit, Research Management Centre, Deputy Vice Chancellor Office (Research & Innovation), UiTM, Malaysia (15 March 2023 – 14 March 2025)
- 2) Coordinator, Research Monitoring Unit, Research Management Centre, Deputy Vice Chancellor Office (Research & Innovation), UiTM, Malaysia (15 March 2020 – 14 March 2023)
- 3) Editorial Board, Scientific Research Journal, Research Management Institute, UiTM (June 2019 – December 2021)
- 4) Coordinator, Health and Wellbeing Community of Research, Institute of Research, Management and Innovation, UiTM, Malaysia (1 February 2018 – 14 March 2020)
- 5) Coordinator, University Community Transformation Centre, Universiti Teknologi MARA (August 2015 – October 2017)

b. Faculty / Hospital UiTM

1. Member, Discipline Committee, Faculty of Medicine, Universiti Teknologi MARA (1 August 2021 – 31 July 2023, August 2023 – July 2025)
2. Member, Jawatankuasa Bencana, Hospital UiTM, Puncak Alam, Selangor (October 2020 – September 2022)
3. Member, Technical Committee, Faculty of Medicine, UiTM. 3 February 2020 – 2 February 2022)
4. Member, Pasukan Petugas Khas Makmal Covid 19, Hospital UiTM, Jalan Hospital, 47000 Sungai Buloh (1 April 2020 – 31 July 2020)
5. Member, Discipline Committee, Faculty of Medicine, Universiti Teknologi MARA (1 January 2020 – 31 December 2021)
6. Multi-Purpose Laboratory Coordinator, Faculty of Medicine, UiTM (Aug 2015 – Aug 2016)

Committee/ Secretariat at Conference/ Seminar/ Courses/ Workshop/ Event

a. Conference

No	Date	Name of Conference	Position	Venue
1.	Dec 2020	7th International Conference on Social and Science Conference 2020	Judging Committee	Virtual Conference
2.	5-6 Dec 2019	6 th Conference on Science and Social Research	Scientific Committee and Session Chair	Park Royal Hotel, Batu Feringgi, Pulau Pinang, Malaysia
3.	5-6 Dec 2018	5 th Conference on Science and Social Research,	Scientific Committee and Session Chair	Le Meridien Hotel, Kota Kinabalu, Sabah, Malaysia
4.	16-17 Nov 2018	Malaysian Association of Education in Medical & Health Sciences (MAEMHS) Conference 2018	Technical Committee	Universiti Teknologi MARA, Kampus Selayang, Selangor, Malaysia
5.	17-18 Apr 2018	International Conference of Molecular Medicine in Nutrition, Health and Disease	Technical Committee	Concorde Hotel Shah Alam, Selangor, Malaysia
6.	1-2 Nov 2017	International Conference on Clinical & Health Sciences	Technical Committee	Faculty of Medicine, UiTM Kampus Sungai Buloh, Selangor Malaysia

b. Workshop/ Seminar

No	Date	Name of Conference/ Seminar/ Courses/ Workshop/ Event	Position	Venue
1.	17 th September 2025	<i>Scientific Wednesday Talk: How to Find the Right Journal for Your Research</i>	Invited Speaker	Online
2.	5 – 7 Aug 2024	FRCR Preparatory Course: Radiobiology 2.0	Invited Speaker	Institut Kanser Negara, Putrajaya
	1 Nov 2023	Sessi Perkongsian Sistem Mygrants	Speaker	Pejabat TNCPI, UiTM
3.	1 March 2023	Moderator bagi Geran FRGS 2023 Webinar	Moderator	Pejabat TNCPI, UiTM
4.	26 Jan 2023	Bengkel Penulisan Proposal Geran FRGS 2023 Fakulti Sains Kesihatan, UiTM	Invited Speaker	ILD, Bandar Enstek, Nilai

5.	17 -18 Jan 2023	Bengkel Verifikasi Data Myra 2022	Facilitator	Dewan Al Ghazali, JPBSM, UiTM Shah Alam
6.	12 – 15 Sept 2023	Cell Culture and Fluorescence Imaging Workshop 2023	Invited Speaker	IMMB, Faculty of Medicine, UiTM Sungai Buloh, Selangor, Malaysia
7.	22 Dec 2021	Junior Scientist Day	Facilitator	IMMB, Faculty of Medicine, UiTM Sungai Buloh, Selangor, Malaysia
8.	13-14 Nov 2019	IMMB Real Time PCR Workshop 2019	Speaker	IMMB, Faculty of Medicine, UiTM Sungai Buloh, Selangor, Malaysia
9.	15-18 Oct 2018	Basic Cell Culture & Fluorescence Imaging Workshop 2018	Chairperson and Speaker	IMMB, Faculty of Medicine, UiTM Sungai Buloh, Selangor, Malaysia
10.	24- 28 Sept 2018	Seminar/ ICON Talk, Invention, Innovation & Design Exposition (IIDEX 2017)	Committee	Dewan Agung Tuanku Canselor, UiTM , Selangor, Shah Alam, Malaysia
11.	25 - 29 Sept 2017	Seminar/ ICON Talk, Invention, Innovation & Design Exposition (IIDEX 2017)	Committee	Dewan Agung Tuanku Canselor, UiTM , Selangor, Shah Alam, Malaysia
12.	17-18 Oct 2017	Seminar and Workshop on real time PCR 2017	Invited Speaker	IMMB, Faculty of Medicine, UiTM Sungai Buloh, Selangor, Malaysia
13.	27 Oct 2017	Workshop on Becoming an effective learner 2017	Facilitator	Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor, Malaysia
14.	5-7 Sept 2016	Fluorescence Imaging Workshop 2016	Organizing Committee	IMMB, Faculty of Medicine, UiTM Sungai Buloh, Selangor, Malaysia
15.	17 - 18 Aug 2016	Seminar and Workshop on Basic Cell culture 2016	Organizing Committee	IMMB, Faculty of Medicine, UiTM Sungai Buloh, Selangor, Malaysia
16.	7 March 2016	Workshop on Becoming an effective learner 2016	Facilitator	Faculty of Medicine, Universiti Teknologi MARA, Sungai Buloh, Selangor, Malaysia

c. Attended Conference

No	Date	Name of Conference	Role	Organiser
1.	11/11/2025	AACR on Campus Malaysia: Defeating Cancer Through Global Education and Training Program	Poster Presenter	American Association For Cancer Research and Cancer Research malaysia
	20/06/2025	National Congress Cancer Malaysia	Oral Presenter	National Society of Cancer Malaysia
	26 – 29 Sep 2024	17 th Annual Meeting of the Korean Society of Medical Oncology & 2024 International Conference (KSMO 2024)	Presenter	Korean Society of Medical Oncology
2.	22- 25 Nov 2023	The 30 th FAOBMB conference / 8 th BMB Conference	Oral Presenter	Federation of National Societies of Biochemistry and Molecular Biology in the Asian and Oceanian Region (FAOBMB)
3.	23 - 24 Aug 2023	International Meeting – 47 th Annual Conference of the Malaysian Society for Biochemistry and Molecular Biology (MSBMB)	Presenter	Malaysian Society for Biochemistry and Molecular Biology (MSBMB)
4.	16 Oct 2021	Goodbye Flat Biology 2021	Presenter	European Association for cancer Research
5.	12 June 2021	EACR 2021 Congress, Innovative Cancer Science: Better Outcomes through Research	Presenter	European Association for cancer Research
6.	19 June 2020	European Association for Cancer Research Virtual Congress	Participant	European Association for cancer Research
7.	19 – 22 Aug 2018	27th Federation of Asian and Oceanian Biochemistry and Molecular Biology Conference, Berjaya Time Square Hotel, Kuala Lumpur, Malaysia	Oral Presenter	Malaysian Society for Biochemistry and Molecular Biology & International Union of Biochemistry and Molecular Biology
8	30 Oct – 1 Nov 2018	The Young Affiliate Network-Young Scientist Network International Thematic Workshop, AKEPT, Nilai, Negeri Sembilan, Malaysia	Poster Presenter	The World Academy of Science, Young Scientist Network Malaysia, Cancer Research Malaysia, AKEPT, Kementerian Pendidikan Malaysia
9.	7-9 March 2018	Il Unito-Polito Conference Series In Cancer Imaging of Cancer Dynamics, Torino, Italy	Participant	Universita Degli Studi Di Torino; Penaja: European Association For Cancer Research

10.	16 – 17 Aug 2017	International Meeting & 42nd Annual Conference of MSBMB, Pullman Hotel, Bangsar, Kuala Lumpur, Malaysia	Poster Presenter	Malaysian Society for Biochemistry and Molecular Biology; Japanese Association for Animal Cell Technology
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Innovation Award

No	Date	Name of competition	Title of innovation	Award
1.	15 Nov 2023	Malaysia Grand Invention Expo 2023	Pd-1 Overexpression as A Potential Marker for Radioresistance: A Studies In In Vitro And In Vivo Models	Gold
2.	12 June 2023	5 th International Invention & Innovation in Dentistry Exhibition	Spilota: A Promising Anticancer Agent Again Oral Cancer	Gold
3.	20 -27 Aug 2022	eCONDEV 2022	Reboot and Improve Biochemistry and Molecular Medicine Practical for Preclinical Medical Students	Gold
4.	Nov 2021	IIDEX 2021	Targeting Interleukin-6 Pathway as An Approach to Overcome Acquired Radio-Resistance To Improve Cancer Treatment	Bronze
5.	15 – 27 Aug 2021	Virtual International Medical Innovation Competition 2021 (IMIC 2021)	Upregulation of IL-6 Gene in acquired radioresistance EMT6 ^{RR-MJI} cells to gamma-ray irradiation.	Silver
6.	20 -27 Aug 2021	eCONDEV 2021	Biochemistry and Molecular Medicine Practical for Preclinical Medical Students	Gold
7.	1 Nov 2021	IIDEX, Universiti Teknologi MARA	Up-regulation of IL-6 gene in acquired radioresistance EMT6 ^{RR-MJI} cells to gamma-ray irradiation	Bronze
8.	22 Sep 2020	Innovation Competition, Faculty of Medicine, Kampus Sungai Buloh, Selangor	The development of radioresistance cells, EMT6 ^{RR-MJI} to gamma-ray irradiation from emt6 mouse mammary carcinoma parental cells for understanding cancer radioresistance mechanism.	Gold
9.	8 Aug 2019	National e-Content Development Competition 2019	Introduction to the principle of spectrophotometer for medical students	Bronze

10.	1 Aug 2019	3rd Pharm-IIDEx 2019, Faculty of Pharmacy, Universiti Teknologi MARA, Puncak Alam, Selangor	A novel protocol to produce EMT6 radioresistance cell to gamma-ray irradiation	Silver
11.	17 July 2019	Innovation Competition Day 2019, Faculty of Medicine, Universiti Teknologi MARA, Kampus Sungai Buloh, Selangor	Isolation of EMT6 cell resistance to gamma-ray irradiation as a model to investigate mechanism of radio resistance.	Bronze
12.	25 July 2018	Innovation Competition Day 2019, Faculty of Medicine, Universiti Teknologi MARA, Kampus Sungai Buloh, Selangor	Development of radiation shielding cover for mice irradiation in Gamma cell chamber	Bronze
13.	28 Sep 2017	An International Innovation, Invention & Design Competition & Conference (ICON) 2017. Pusat Sains dan Kreativiti, Terengganu	A novel method using xCELLigence real time technology to measure radiation induced bystander effect in vitro model	Silver

Recognition by Professional Bodies, Institutions, Peers and Students, etc.

Award	Awarding Body	Level	Year
Anugerah Perkhidmatan Cemerlang	UiTM	University	2024
Sijil Perkhidmatan Cemerlang	Pejabat TNCPI, UiTM	University	2023
Sijil Perkhidmatan Cemerlang	Pejabat TNCPI, UiTM	University	2021
Meeting Bursary award for Good Flat Biology Conference Award	European Association for Cancer Research	International	2021
Bursary award to attend international conference in Italy	European Association for Cancer Research	International	2018
Melbourne Abroad Travelling Scholarship	The University of Melbourne	International	2013
Graduate Grant: The Cosby Stopford Campbell and Marshal Stopford Bequest	The University of Melbourne	International	2013

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- a. Underlying Mechanisms of Lapatinib-induced Changes in Caco-2 Intestinal Monolayer And Intervention With Recombinant Epidermal Growth Factor (regf). CRLY2021W00365. 17 September 2021
- b. The development of radioresistance cells, EMT6RR_MJI to gamma-ray irradiation from EMT6 mouse mammary carcinoma parental cells for understanding cancer radioresistance mechanism. CRLY00024431. (2/7/2020)
- c. Custom lead shield and strainer for targeted irradiation for mice in gamma cell chamber. CRLY00017651. (18/11/2019)
- d. Flavanoid such as Apigenin induces apoptosis in ER +-breast cancer MCF-7 cells through involvement of p53 and cyclin B1 (CRLY00007354) (31/03/2017).
- e. Flavanoids apigenin and rutin synergistically enhance tamoxifen effect on ER +-breastcancer MCF-7 (CRLY00007528) (31/03/2017).
- f. Flavonoids such as apigenin and rutin induce intrinsic pathway of apoptosis in ER+- breast cancer MCF-7 cells through involvement of Bax and Caspase- 9 (CRL0008364) (14/07/2017)

Involvement in Student activity

No	Date	Activity	Role
1.	14 March 2020	Intervarsity Medic Olympiad Quiz 2018	Judge (Cancelled due to Covid 19 Pandemic)
2.	Dec 2019	Medic Intervarsity Game 2019	Team Advisor (Athlete)
3.	8-9 Dec 2018	Medic Intervarsity Game 2018	Team Advisor (Bowling)
4.	3-8 Sep 2018	Introduction to Medicine 2018	Advisor
5.	31 March 2018	Intervarsity Medic Olympiad Quiz 2018	Judge
6.	19 - 20 Jan 2018	Tour De Medicine to Royal College of Medicine, Perak	Advisor
7.	20 - 22 July 2017	Edu camp For Year 3 Student, Faculty of Medicine, Universiti Teknologi MARA	Facilitator
8	12 -15 Jan 2017	Tour De Medicine to Faculty of Medicine, Universiti Malaysia Sarawak (UNIMAS)	Advisor
9.	15 - 17 Jan 2016	Smart Generation Camp organized by Alliance of Insaniah Sungai Buloh and Selayang, Universiti Teknologi MARA.	Advisor

Involvement in community/ NGO

No	Date	Activity/ Project/ Program	Position	Level
1.	Feb 2026 – Dec 2030	Masjid An-Nur Saujana Utama	Commitee	Community
	1 Jan 2023 – 31 Dec 2025	Masjid An-Nur Saujana Utama	Deputy Secretary	Community
2.	Feb 2020 – Dec 2021	Jemaah Pengurusan Sekolah, KAFA Intergrasi Darul Syhadah, Saujana Utama, Sungai Buloh, Selangor	Secretary	Community
3.	31 Jul - 6 Aug 2017	Kejohanan Kriket Wanita Perisai Tunku Najihah	Technical Director	National
4.	15 - 21 May 2017	Kejohanan Kriket Undangan Antarabangsa Piala Tun Ahmad Sarji	Technical Director	International
5.	4 - 9 April 2017	Kejohanan Kriket Bawah 15 Tahun Antarabangsa	Technical Director	International
6.	7 - 12 March 2017	Kejohanan Kriket Perisai Raja-Raja Melayu	Technical Director	National
7.	18-26 Dec 2016	Trofi Melayu Antarabangsa XI	Technical Director	International
7.	30 Oct 2016	Health Screening Program during Karnival Amal Cinta Masjid organised by Persatuan Penduduk Bukit Rahman Putra	Committee	Community

Membership

- 1) Professional Technologist, Malaysian Board of Technology (February 2020)
- 2) Malaysian Society for Biochemistry and Molecular Biology (2016-2025)
- 3) European Association for Cancer Research (2013 – 2024)
- 4) Electron Microscopy of Malaysia (Since 2010)
- 5) The Cancer Epigenetic Society (Since 2018)

Hobbies and Interests.

I am cricket and soccer player. I played in Malaysia T20 Corporate League Tournament.

Referees

1. Professor Peter A W Rogers

Professor of Women's Health Research Department of
Obstetrics & Gynaecology University of Melbourne,
Level 7, 20 Flemington Rd, Parkville, Victoria, 3052, AUSTRALIA
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2. Associate Professor Olga Martin

Senior Research Fellow
Centre for Medical Radiation Physics (CMRP),
University of Wollongong
Northfields Ave,
Wollongong, NSW, 2522
Australia
Email: omartin@uow.edu.au

3. Assoc Prof. Dr Wan Nor I'zzah Wan Mohamad Zain

Head
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