CURRICULUM VITAE

SHARIFAH SAKINAH BINTI SYED ALWI
Senior Lecturer
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Education

1. PhD, Southampton University, UK. 2011
2. MSc, Universiti Kebangsaan Malaysia, 2007
3. Bachelor Degree, Universiti Kebangsaan Malaysia, 2004

Areas of Interest

1. Cancer research
2. Oxidative stress
3. Wound healing
4. Diabetes
5. Nano-technology

Professional Qualification/ Membership/ Affiliation

1. Professional Technologist (Ts)
2. MicrobialDX Sdn Bhd (Board of Director)
3. Young Scientist Network-Academy Science Malaysia Affiliates (YSN-ASM)
4. Evidence-Based Complementary and Alternative Medicines (Editorial Member)
5. Persatuan Sains Bioperubatan Malaysia (MyBIOMED)
6. Persatuan Biokimia Klinikal Malaysia (MACB)
7. The International Science Advisory Board, US

Appointments (Inside and Outside UPM)

Date	Designation	Remarks
2023	Professional Technologist (MBOT)	
2022 – present	MicrobialDX Sdn Bhd (Board of Director)	
2022 – present	Head of Biomedical Science Program Curriculum Review	
2022	Industrial Training Coordinator	
2019 - 2020	Program Coordinator of the Department of Biomedical Sciences	

Update on……2021

2016 – present	Young Scientist Network – Academy Science Malaysia Affiliates
2018 – present	Evidence-Based Complementary and Alternative Medicine (Hindawi- ISSN: 1741-4288)
2018 – present	Persatuan Sains Bioperubatan Malaysia (MyBIOMED
2018 – present	Persatuan Biokimia Klinikal Malaysia (MACB)
2015-2018	Head of Biochemistry Unit
2015-2018	Head of Biochemistry Laboratory
2014 – present	The International Science Advisory Board, US

Publications

Journals (in 5 years)

1. Shazrul Fazry, Ahmed Abdulkareem Najm, Ibrahim Mahmood Mahdi, Arnold Ang, LiTing Ler, Choi-Theng Loh, **Sharifah Sakinah Syed Alwi**, Fang Li, Douglas Law. *In silico* directed evolution of Anabas testudineus AtMP1 antimicrobial peptide to improve in vitro anticancer activity. 2024. PeerJ. 12:e17894.

2. Muhammad Aminuddin Mohd Shafiee, Nurul Asyikin Mahbud, Nur 'Aqilah 'Inani Hanapi, Marwah Salaebing, Zulkefle Othman, Armania Nurdin, **Sharifah Sakinah Syed Alwi**. Cytotoxicity, proliferation and migration effects of 2,6-bis-(4-hydroxyl-3-methoxybenzylidine)cyclohexanone (BHMC) in hepatocellular carcinoma, HepG2 cells. 2024. Malaysian Journal of Medicine and Health Sciences.

3. Raja Muhammad Iqbal Raja Yahya, Nur Ilyana, **Sharifah Sakinah Syed Alwi**, Hasni Idayu Saidi, Seri Narti Edayu. Implication of Insomnia and Depression Among Malaysian Undergraduate Students in the Faculty of Medicine and Health Sciences, Universiti Putra Malaysia During Movement Control Order (MCO). PLOS One. 2023. https://doi.org/10.1371/journal.pone.0283098

4. Layth Ahmed Ali Al-Fahham, Khairunnadwa Jemon, Nurriza Ab Latif, Suhaili Abu Bakar**, Sharifah Sakinah Syed Alwi**. The association of LEPR Q223R polymorphism with type 2 diabetes mellitus in Malaysia. 2022. Human Gene. https://doi.org/10.1016/j.humgen.2022.201044

5. Layth Ahmed Ali, Khairunadwa Jemon, Nurriza Ab Latif, Suhaili Abu Bakar, **Sharifah Sakinah Syed Alwi**. LEP G2548A polymorphism is associated with increased serum leptin and insulin resistance among T2DM Malaysian patients. 2022. BioMedicine. Doi: 10.37796/2211-8039.1326.

6. Ahmed Abdulkareem Najm, Herryawan Ryadi Eziwar Dyari, Babul Airianah Othman, **Sharifah Sakinah Syed Alwi**, Ahmad Azfaralariff, Muhammad Shahid, Siti Aisyah Sanusi, Douglas Law, Shazrul Fazry. Epidermal Mucus of Anabas Testudineus as a Promising Source of Antibacterial and Anticancer Agents. 2022. Sains Malaysiana. 51(5)(2022):1363-1372

7. Ahmed Abdulkareem Najm, Ahmad Azfaralarriff, Herryawan Ryadi Eziwar Dyari, **Sharifah Sakinah Syed Alwi**, Nahid Khalili, Babul Arianah Othman, Douglas Law, Muhammad Shahid, Shazrul Fazry. A systematic review of antimicrobial peptides from fish with anticancer properties. 2022. Science and Technology. 30(2): 1171-1196.

8. Ahmed Abdul Kareem Najm, Ahmad Azfaralariff, Herryawan Ryadi Eziwar Dyari, Babul Arianah Othman, Muhammad Shahid, Nahid Khalili, Douglas Law, **Sharifah Sakinah Syed Alwi**, Shazrul Fazry. Anti-breast cancer synthetic peptides derived from the Anabas testudineus skin mucus factions. 2021. Scientific Reports. 1:23182. | https://doi.org/10.1038/s41598-021-02007-6

9. Muhammad Aminuddin**,** Mohd Ashraf Muhammad Asri, **Sharifah Sakinah Syed Alwi.** Review on the *in vitro* cytotoxicity assessment in accordance to the International Organization for Standardization (ISO). Malaysian Journal of Medicine and Health Sciences. Malaysian Journal of Medicine and Health Sciences. 2021. 17(2). eISSN 2636-9346

10. Nur Izzatie Zulkiflee, Norhidayah Mat Azis, Mohd Nasir Mohd Desa, Norhafizah Mohtaruddin, **Sharifah Sakinah Syed Alwi**, Seri Narti Edayu Sarchio. Assessment of pathogenicity of community-acquired MRSA isolates in mice-induced peritonitis. Malaysian Journal of Medicine and Health Sciences. 17(3)

11. Henna Roshini Alexander, **Sharifah Sakinah Syed Alwi**, Latifah Saiful Yazan, Fatin Hanani Zakarial Ansar, Yong Sze Ong. Migration and proliferation effects of Thymoquinone-loaded nanostructured lipid carrier (TQ-NLC) and Thymoquinone (TQ) on in vitro wound healing models. 2019. Evidence-based complementary and Alternative Medicine. 9725738. https://doi.org/10.1155/2019/9725738

12. Amirah Salwani Zaulkafli, Najwa Razip, **Sharifah Sakinah Syed Alwi**, Afifah Abd Jalil, Mohd Sokhini Abd Mutalib, Banulata Gopalsamy, Sui Kiat Chang, Zaida Zainal, Nafissa Nadia Zainal, Zainul Amiruddin Zakaria, Huzwah Khaza'ai. Vitamins D and E stimulates the PI3K-AKT signaling pathway in insulin-resistant SK-N-SH neuronal cells. 2019. Nutrients. 11(10): 2525 https://doi.org/10.3390/nu11102525

13. Nurfahima Mustafa Azmy, Aminah Suhaila Haron, **Sharifah Sakinah Syed Alwi**. Thymoquinone-loaded nanostructured lipid carrier (TQNLC) reduces proliferation of human liver cancer cells, HepG2. 2019. Malaysian Journal of Medicine and Health Sciences. 15(SP2): 38-43.

14. **Sharifah Sakinah Syed Alwi**, Syazwan Zahari, Aminah Suhaila Haron, Henna Roshini Alexander. Cytotoxic effect of 2,6-bis(4-hydroxy-3-methoxybenzylidene) cyclohexanone (BHMC) and curcumin on human liver cancer cells, HepG2. 2019. Malaysian Journal of Medicine and Health Sciences. 15(SP2):44-50.

Conference Proceedings (in 5 years)

1. Muhammad Aminuddin Mohd Shafiee, Nur 'Aqilah Inani Hanapi, Zulkefley Othman, Armania Nurdin, **Sharifah Sakinah Syed Alwi.** Oxidative stress status of Curcuminoid analogue, BHMC on human liver cancer cells. 2022

2. Muhammad Aminuddin Mohd Shafiee, Mohd Ashraf Muhamad Asri, Nurul Asyikin Mahbud, Nur 'Aqilah Inani Hanapi, Marwah Salaebing, ZUlkefley Othman, Armania Nurdin, **Sharifah Sakinah Syed Alwi**. Cytotoxicity, proliferation and migration assessment of BHMC, the curcuminoid analogue on human liver cancer cells, HepG2. 2022

3. **Sharifah Sakinah Syed Alwi**, Mohd Ashraf Muhammad Asri. Induction of apoptosis and cell cycle arrest by 2,6-bis(4-hydroxy-3-methoxybenzylidene) cyclohexanone (BHMC) on liver cancer cell, HepG2. Putra Cancer Research Symposium. 2021.

4. Layth Ahmed Ali Al-Fahham, Khairunadwa Jemon, Nurriza Ab Latif, Suhaili Abu Bakar, **Sharifah Sakinah Syed Alwi.** The association of leptin receptor Q223R polymorphism with Type 2 diabetes in Malaysian population. Proceedings of the Taylor's University Graduate Research Symposium. 2021.

5. Awatif Azhari, **Sharifah Sakinah Syed Alwi**, Suhaili Shamsi, Faizah Md Yasin & Seri Narti Edayu Sarchio. Functionalized Gallic Acid-Loaded Graphene Oxide (GaGo) Accelerates Wound Healing in In Vivo Model. Asian Conference of Biomedical Research & Laboratory Medicine (ACBRLM) 2021.

6. Muhammad Aminuddin Mohd Shafiee, **Sharifah Sakinah Syed Alwi, Armania Nurdin**, Zulkefley Othman. Effect of curcuminoid analogue, BHMC on intracellular ROS modulation in human liver cancer, HepG2 cells. 2021 Oral Presentation.

7. Mohd Ashraf Muhamad Asri, Yap Wee Chee, **Sharifah Sakinah Syed Alwi.** 2019. Cytotoxic effect of 2,6-bis(4-Hydroxy-3-Methoxybenzylidene) cyclohexanone (BHMC) and Curcumin on human liver cancer cells, HepG2. Oral Presentation. ASEAN Emerging Research Conference. Sunway University, Kuala Lumpur, Malaysia.

8. Wee Chee Yap, Syazwan Zahari, **Sharifah Sakinah Syed Alwi**. 2019. BHMC inhibits proliferation of human liver cancer cell lines, HepG2. 10th Malaysian Symposium of Biomedical Science, Universiti Sains Malaysia (Gold Medal and Best Oral Presenter).

Books (If any)

1. Basic Medical Biochemistry: Laboratory in Practice (1st Edition). **Sharifah Sakinah Syed Alwi**, Huzwah Khazaai & Abdah Md Akim. 2015. ISBN:978-967-344-536-3.

2. Gen, Inovasi Kehidupan!. Chan Kok Meng, Fatin Aliah Phang, Manraj Singh Cheema, Mas Jaffri Masarudin, Tan Suat Cheng, Siti Fathiah Masre, Razinah Sharif, **Sharifah Sakinah Syed Alwi**, Hanis Mastura Yahya, Seri Narti Edayu Sarchio, Nur Fariesha Hashim, Zulkefley Othman, Cheah Yoke Kqueen and Pasupuleti Visweswara Rao. 2020. ISBN: 978-983-2915-53-9

3. Scientific Evidence: Malaysian Medicinal Plants with Wound Healing Properties (1st Edition). **Sharifah Sakinah Syed Alwi**, Seri Narti Edayu Sarchio, Henna Roshini Alexander & Latifah Saiful Yazan. 2021. ISBN: 978-967-2989-07-3

Other publications (If any)

1. Sharifah Sakinah Syed Alwi. Perkenal STEM di awal usia bantu pupuk minat pelajar terhadap STEM. 2024.

2. Awatif Azhari, **Sharifah Sakinah Syed Alwi**, Suhaili Shamsi, Faizah Md Yasin, Seri Narti Edayu Sarchio. Functionalized Gallic Acid-Loaded Graphene Oxide Accelerates Wound Healing In *In Vitro* Model. Biome Journals. 2022

3. Muhammad Aminuddin Mohd Shafiee, Mohd Ashraf Muhamad Asri, Nurul Asyikin Mahbud, Nur Aqilah Inani Hanapi, Marwah Salaebing, Zulkefley Othman, Armania Nurdin, **Sharifah Sakinah Syed Alwi**. Cytotoxicity, proliferation, and migration assessment of BHMC, the curcuminoid analogue on human liver cancer cells, HepG2 cells. BMC Proceedings. 2022.

4. Ta Win, UPM to explore wound healing effects of Copper. News Strait Times. 2022.

5. Pemakanan tidak sihat burukkan masalah diabetes golongan muda. Bernama. 2021.

6. Layth Ahmed Ali Al-Fahham,, Khairunadwa Jemon, Nurriza Ab Latif, Suhaili Abu Bakar, **Sharifah Sakinah Syed Alwi**. The association of leptin receptor Q223R polymorphism with Type 2 diabetes in Malaysian population. Life Sciences, Medicine and Biomedicine (LSMB). 2021.

7. Muhammad Aminuddin Mohd Shafiee, **Sharifah Sakinah Syed Alwi,** Armania Nurdin, Zulkefley Othman. Effect of BHMC, the Curcuminoid analogue on intracellular ROS modulation in human liver cancer, HepG2 cells. ASM Science Journal. 2021.

8. **Sharifah Sakinah Syed Alwi.** Komplikasi diabetes tingkatkan risiko jangkitan COVID-19. Berita Harian. 2020

Research Grants

Received 2020

1. Collaboration with Industry. The modulation of the mechanistic effect of copper in exerting its antioxidant and anti-diabetes effect in diabetes wound healing *in vitro* and *in vivo*

2. Fundamental Research Grant Scheme (FRGS). Apoptotic pathway of synthetic Anabas testudineus anti-microbial peptide on breast cancer cell line.

3. Geran Pembangunan Produk Penyelidikan PSP UPM. Putra Amazing Agar – A Tween 80 Added Blood Agar as a Solution for High Culture Negative Rate in Sterile Body Fluid Samples.

4. Geran Putra Berimpak (Oslo University). Modulation of inflammatory and oxidative stress status of Thymoquinone-nanostructured lipid carrier (TQNLC) in accelerating the diabetic wound healing.

5. Fundamental Research Grant Scheme (FRGS). Prognostic characterization and roles of TSPAN-8, ITGα1 and EDIL-3 in exosomes-mediated prostate cancer cell invasion and angiogenesis

6. Fundamental Research Grant Scheme (FRGS). Targeting the mechanistic effect of Thymoquinone-nanostructured lipid carrier (TQNLC) in cell migration and regeneration in normal and diabetic condition

7. Innohub Grant. Tween 80 incorporated media as a solution for high culture negative rate in continuous ambulatory associated peritonitis patients

8. Fundamental Research Grant Scheme (FRGS). ADMET characterisation of synthetic antimicrobial peptide from *Anabas testudineus*

9. Fundamental Research Grant Scheme (FRGS). Elucidating the role of polymorphisms in SLC22, MATE, and ATM genes on the pharmacogenetics of metformin among three major ethnics of Malaysian Type 2 Diabetes Mellitus (T2DM) patients.

10. Fundamental Research Grant Scheme (FRGS). Determination the anti-bladder cancer properties of mitomycin C-loaded antibody chitosan conjugated Mn2+ doped ZnS QDs in vitro and the mechanisms of action.

11. Geran Putra-IPM. Targeting integrated Hepatitis B viral DNA sequences by TQNLC for treatment of liver cancer.

12. Geran Putra-IPS. Targeting the integrated Hepatitis B viral DNA sequences by TQNLC for treatment of liver cancer.

On-going

1. Collaboration with Industry. The modulation of the mechanistic effect of copper in exerting its antioxidant and anti-diabetes effect in diabetes wound healing *in vitro* and *in vivo*

2. Innohub Grant. Tween 80 incorporated media as a solution for high culture negative rate in continuous ambulatory associated peritonitis patients

3. Fundamental Research Grant Scheme (FRGS). ADMET characterisation of synthetic antimicrobial peptide from *Anabas testudineus*

4. Fundamental Research Grant Scheme (FRGS). Elucidating the role of polymorphisms in SLC22, MATE, and ATM genes on the pharmacogenetics of metformin among three major ethnics of Malaysian Type 2 Diabetes Mellitus (T2DM) patients.

Research Grants				
No.	**Project Title**	**Amount (RM)**	**Year**	**Source of Fund**
1.	The modulation of the mechanistic effect of copper in exerting its antioxidant and anti-diabetes effect in diabetes wound healing *in vitro* and *in vivo*	160,060	2022	Industry (Ta Win Holdings)
2.	Modulation of inflammatory and oxidative stress status of Thymoquinone-nanostructured lipid	120,300	2019	Geran Berimpak (Collaboration with Oslo University, Denmark)

	carrier (TQNLC) in accelerating the diabetic wound healing			
3.	Putra Amazing Agar – A Tween 80 Added Blood Agar as a Solution for High Culture Negative Rate in Sterile Body Fluid Samples	100,000		Geran Pembangunan Produk Penyelidikan PSP UPM
4.	Tween 80 incorporated media as a solution for high culture negative rate in continuous ambulatory associated peritonitis patients	60,000		Innohub Grant
5.	Targeting the mechanistic effect of Thymoquinone-nanostructured lipid carrier (TQNLC) in cell migration and regeneration in normal and diabetic condition	150,000	2015	Fundamental Research Grant Scheme, MOHE
6.	Prognostic characterization and roles of TSPAN-8, ITG α1 and EDIL-3 in exosomes-mediated prostate cancer cell invasion and angiogenesis	192,800		Fundamental Research Grant Scheme, MOHE
7.	Determination the anti-bladder cancer properties of mitomycin C-loaded antibody chitosan conjugated Mn2+ doped ZnS QDs in vitro and the mechanisms of action	180,800		Fundamental Research Grant Scheme, MOHE
8.	Apoptotic pathway of synthetic Anabas Testudineus anti-microbial peptide on breast cancer cell line	192,000		Fundamental Research Grant Scheme, MOHE
9.	ADMET characterisation of synthetic antimicrobial peptide from *Anabas testudineus*	190,000		Fundamental Research Grant Scheme, MOHE
10.	Elucidating the role of polymorphisms in SLC22, MATE, and ATM genes on the pharmacogenetics of metformin among three major ethnics of Malaysian Type 2 Diabetes Mellitus (T2DM) patients.	177,400		Fundamental Research Grant Scheme, MOHE
11.	Targeting the underlying mechanism of Hepatitis B viral DNA sequences by TQNLC in treatment of liver cancer	12,000		Geran Putra-IPS
12.	Targeting integrated Hepatitis B viral DNA sequences by TQNLC for treatment of liver cancer.	50,000		Geran Putra-IPM

Awards/ Recognition (Current)				
No.	**Name of awards**	**Award Authority**	**Award Type**	**Year**
1.	Gold Award at the Malaysia Technology Expo 2023 under the category Health & Well Being.	Malaysia Technology Expo 2023 under the category Health & Well Being	Gold Medal Award	2023
2.	National Book Award. Best Science and Technology Book Category. 2022. Title: Scientific	National Book Award	Gold Medal Award	2022

	Evidence: Malaysian Medicinal Plants with Wound Healing Properties			
3.	Gold Award at the 32nd International Invention, Innovation and Technology Exhibition 2021	32nd International Invention, Innovation and Technology Exhibition 2021	Gold Medal Award	2021
4.	Recipient of Geran Pembangunan Produk Penyelidikan, Putra Science Park, UPM	Putra Science Park	Grant awarded	2021
5.	International Putra InnoCreative Poster Competition 2020	International Putra InnoCreative	Gold Medal Award	2020
6.	BHMC inhibits the proliferation of human liver cancer cells, HepG2. 10th Malaysian Symposium of Biomedical Science 2019. Universiti Putra Malaysia	Malaysian Symposium of Biomedical Science 2019	Gold Medal Award	2019
7.	BHMC inhibits the proliferation of human liver cancer cells, HepG2. 10th Malaysian Symposium of Biomedical Science 2019. Universiti Putra Malaysia	Malaysian Symposium of Biomedical Science 2019.	Best Oral Presenter; Gold Medal Award	2019

Professional Services/ Consultation			
No.	**Year**	**Title**	**Authority**
1.	2012 until now	Southampton University Association	Southampton University, United Kingdom
2.	2013 until now	The Science Advisory Board	United State
3.	2015-2018	Head of Biochemistry Unit	Faculty of Medicine & Health Sciences, UPM
4.	2015-2018	Head of Biochemistry Laboratory	Faculty of Medicine & Health Sciences, UPM
5.	2016 until now	Affiliates Young Scientists Network-Academy of Sciences Malaysia (YSN-ASM)	YSN-ASM
6.	2016 until now	Malaysian Association of Clinical Biochemistry (MACB)	Malaysian Association of Clinical Biochemistry (MACB)
7.	2016 until now	Malaysian Association of Biomedical Sciences (MyBIOMED)	Malaysian Association of Biomedical Sciences (MyBIOMED)

	2018 until now	Editorial Board Member for Evidence-Based Complementary and Alternative Medicine (Hindawi- ISSN: 1741-4288)	Hindawi Journal
8.	2018	Module Developer for ASEAN Plus Three Junior Science Odyssey (7th APT JSO)- collaboration with MOSTI 2018	ASEAN Plus Three Junior Science Odyssey (7th APT JSO)- collaboration with MOSTI
9.	2019-2020	Program Coordinator of the Department of Biomedical Sciences	Faculty of Medicine & Health Sciences, UPM
10.	2019	Speaker and facilitator for Kem Sciences at Cyberjaya	Sekolah Kebangsaan Cyberjaya
11.	2019	Judge Panel for 2nd Tissue Engineering and Regenerative Medicine Research Symposium 2019	2nd Tissue Engineering and Regenerative Medicine Research Symposium
12.	2021	Speaker for the STEM Instrument Exploration Program (Collaboration with UPSI) 1st program for Blood Grouping and Centrifugation.	Universiti Pendidikan Sultan Idris (UPSI)
13.	2021	Speaker for the STEM Instrument Exploration Program (Collaboration with UPSI) 2nd program for Urine Test	Universiti Pendidikan Sultan Idris (UPSI)
14.	2021	Panel author of YSN-ASM Inquiry Based Science Education Module (ISBE) 2021	YSN-ASM
15.	2021	Module Developer of Inquiry-Based Science Education (IBSE) for School Science Teachers (collaboration with Ministry of Education and MOST) 2021	Collaboration between Ministry of Education and MOST
16.	2021	Editorial Board Member for Publication in Academy Sciences of Malaysia Journal for YSN-ASM ISVC 2021 Structured Abstract	YSN-ASM
17.	2022 until now	Head of Biomedical Science Program Curriculum Review	Faculty of Medicine & Health Sciences, UPM
18.	2022	Editorial Board Member of the Hindawi Journal	Hindawi Journal
19.	2022	Speaker for School Science Teachers IBSE Module Development (collaboration with the National STEM Center and the Malaysian Ministry of Education)	Collaboration between the National STEM Center and the Malaysian Ministry of Education
20.	2023 until now	Board of Director, MicrobialDX Sdn Bhd (collaboration with Innohub UPM)	MicrobialDX Sdn Bhd & UPM
21.	2023 until now	Professional Technologist by MBOT	Malaysia Board of Technologist (MBOT)
22.	2023	Invited Speaker for World Science Day: Basic Sciences for Sustainable Development (collaboration with National STEM Center, MOSTI and UNESCO).	Collaboration between National STEM Center, MOSTI and UNESCO

23.	2023	Appointed as a collaborator for a research project application under the Strategic Research Grant (SRF) by the National Institutes of Biotehcnology Malaysia 2023	National Institutes of Biotehcnology Malaysia 2023
24.	2023	Judge Panel for the 36th Annual Scientific Meeting of the Malaysian Society of Pharmacology and Physiology (MSPP) 2023	Malaysian Society of Pharmacology and Physiology (MSPP)
25.	2023	Session Chair of 36th Annual Scientific Meeting of the Malaysian Society of Pharmacology and Physiology (MSPP) 2023	Malaysian Society of Pharmacology and Physiology (MSPP)
26.	2024	Invited Speaker for Webinar Cell Culture in Cancer Research	Collaboration between IIUM with Cyto-DNA Scientific

PhD (Main Supervisor)			
No.	**Name**	**Title**	**Status**
1.	Abeer Raslan Naseer	Modulation of molecular mechanism in HepG2, human liver cancer cells, by the 2,6-bis-(4-hydroxy-3-methoxybenzylidine) cyclohexanone (BHMC).	Completed
2.	Al-Fahham Layth Ahmed Ali	Investigation of single nucleotide polymorphisms of leptin and its receptor gene in type 2 diabetes patients in Malaysia	Completed
3.	Hani Syahirah binti Zulkefle	Modulation of inflammatory and oxidative stress status of TQNLC in accelerating the diabetic wound healing	OnGoing

Master with Thesis (Main Supervisor)			
No.	**Name**	**Title**	**Status**
1.	Aminah Suhaila binti Haron	Effects of Thymoquinone and Thymoquinone-Loaded Nanostructured Lipid Carrier on Hepatocellular Carcinoma Cell Models, Hep3B and HepG2.	Completed
2	Henna Roshini a/p Alexander	Effects of Thymoquinone and Thymoquinone loaded nanostructured lipid carrier on in vitro wound healing model	Completed
3.	Raja Muhammad Iqbal bin Raja Yahya	The impact of movement control order (MCO) on the mental health status among university students in Malaysia	Completed
4.	Muhammad Aminuddin bin Mohd Shafiee	Modulation of intracellular ROS on human liver cancer cells, HepG2 by 2,6-bis-(4-hydroxyl-3-methoxybenzylidine)cyclohexanone (BHMC)	Completed
5.	Fatin Faqihah binti Faridulattros	Synthesis, characterization, and In vitro Biological Evaluation of Copper-Loaded Graphene Oxide (CuGO) for Wound Healing Treatment.	Submitted

6.	Wan Zafirah binti Wa Mohd Zaidi	Migration and proliferation effects of copper compound on 3T3 and 3T3-L1 cell lines	OnGoing
7.	Muhammad Aidi bin Ayubi bin Anuar	The effect of copper in wound healing: a molecular docking study	OnGoing

Master without Thesis (Main Supervisor)			
No.	**Name**	**Title**	**Status**
1.=			

Attended Seminars/ Workshops/ Forums both National and International			
No.	**Year**	**Title**	**Organizers**
1.	2022	Oxidative stress status of Curcuminoid analogue, BHMC on human liver cancer cells	Asian Federation of Biotechnology Malaysia Chapter International Symposium
2.	2022	Cytotoxicity, proliferation and migration assessment of BHMC, the curcuminoid analogue on human liver cancer cells, HepG2	6th International Conference on Molecular Diagnostic and Biomarker Discovery
3.	2021	Induction of apoptosis and cell cycle arrest by 2,6-bis(4-hydroxy-3-methoxybenzylidene) cyclohexanone (BHMC) on liver cancer cell, HepG2	Putra Cancer Research Symposium
4.	2021	The association of leptin receptor Q223R polymorphism with Type 2 diabetes in Malaysian population	Proceedings of the Taylor's University Graduate Research Symposium
5.	2021	Functionalized Gallic Acid-Loaded Graphene Oxide (GaGo) Accelerates Wound Healing in In Vivo Model	Asian Conference of Biomedical Research & Laboratory Medicine (ACBRLM) 2021
6.	2021	Effect of curcuminoid analogue, BHMC on intracellular ROS modulation in human liver cancer, HepG2 cells	YSN-ASM International Scientific Virtual Conference (ISVC) 2021
7.	2019	BHMC inhibits proliferation of human liver cancer cell lines, HepG2	10th Malaysian Symposium of Biomedical Science, Universiti Sains Malaysia
8.	2019	Cytotoxic effect of 2,6-bis(4-Hydroxy-3-Methoxybenzylidene) cyclohexanone (BHMC) and Curcumin on human liver cancer cells, HepG2	ASEAN Emerging Researchers Conference. Sunway University, Kuala Lumpur
9.	2018	*In vitro* effect of Thymoquinone-nanostructured lipid carrier (TQNLC) towards cells proliferation and migration in wound healing of normal and diabetic models.	ASEAN Emerging Researchers Conference. Sunway University, Kuala Lumpur
10.	2016	Targeting integrated hepatitis B viral DNA sequences by Thymoquinone loaded nanostructured lipid carrier (TQ-NLC) for treatment of liver cancer	3rd Pan-Asian Biomedical Science Conference. Primiera Hotel Kuala Lumpur.

Intellectuals Property			
Patent Granted			
No.	**Date**	**Patent No.**	**Name**

1.
2.

Patent Field			
No.	**Date**	**Patent No.**	**Name**

1.
2.

Update on……2021