CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI ***(Personal Details)***			
Nama Penuh *(Full Name)*	**CHIA SUET LIN**		Gelaran *(Title):* **DR.**
No. MyKad / No. Pasport *(Mykad No. / Passport No.)* **770324-14-5451**	Warganegara *(Citizenship)* **Malaysian**	Bangsa *(Race)* **Chinese**	Jantina *(Gender)* **Male**
Jawatan *(Designation)*	**Associate Professor**	Tarikh Lahir *(Date of Birth)*	**24th March 1977**

Alamat Semasa *(Current Address)*	Jabatan/Fakulti *(Department/Faculty)*	E-mel dan URL *(E-mail Address and URL)*
Department of Microbiology, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia 43400 UPM Serdang, Selangor D.E. Tel: 03-97698295	**Department of Microbiology, Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia 43400 UPM Serdang, Selangor D.E. Tel: 03-97698295 Fax:03-97697590**	**E-mail: suetlin@upm.edu.my**

B. KELAYAKAN AKADEMIK ***(Academic Qualification)***			
Nama Sijil / Kelayakan *(Certificate / Qualification obtained)*	Nama Sekolah Institusi *(Name of School / Institution)*	Tahun *(Year obtained)*	Bidang pengkhususan *(Area of Specialization)*
Doctor of Philosophy	**Universiti Putra Malaysia (UPM)**	**2012**	**Medical Biotechnology**
Master of Science	**Universiti Putra Malaysia (UPM)**	**2005**	**Molecular Biology**
Bachelor of Science (Honours)	**Universiti Putra Malaysia (UPM)**	**2002**	**Microbiology**
Diploma in Laboratory Technology	**Universiti Sains Malaysia (USM)**	**1999**	**Laboratory Technology**

C. KEMAHIRAN BAHASA *(Language Proficiency)*					
Bahasa / *Language*	Lemah *Poor (1)*	Sederhana *Moderate (2)*	Baik *Good (3)*	Amat Baik *Very good (4)*	Cemerlang *Excellent (5)*
English					√
Bahasa Melayu					√
Chinese					√

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN *(Scientific experience and Specialisation)*				
Organization	*Position*	*Start Date*	*End Date*	*Expertise*
Universiti Putra Malaysia	**Senior lecturer**	**2012**	**Present**	**Cancer Virotherapy/ Molecular Biology/ Microbiology/ Virology**
University of Oxford	**Post-doctoral**	**2014**	**2016**	**Virotherapy of cancer**
National Committee for Clinical Research	**Good Clinical Practice**	**2016**	**Present**	**Clinical research**

E. PEKERJAAN ***(Employment)***				
Majikan */ Employer*	Jawatan */ Designation*	Jabatan / *Department*	Tarikh lantikan / *Start Date*	Tarikh tamat / *Date Ended*
Universiti Putra Malaysia (UPM)	**Associate Professor**	**Microbiology**	**2019**	**Present**
Universiti Putra Malaysia (UPM)	**Senior Lecturer**	**Microbiology**	**2012**	**2019**
Universiti Putra Malaysia (UPM)	**Tutor**	**Microbiology**	**2011**	**2012**
Tunku Abdul Rahman college	**Lecturer**	**Faculty of Arts and Science**	**2004**	**2007**

F. ANUGERAH DAN HADIAH *(Honours and Awards)*				
Name of awards	*Title*	*Award Authority*	*Award Type*	*Year*
Academic Awards				
Post-doctoral Fellowship	For post-doctoral training in the University of Oxford, UK	Ministry of Education, Malaysia	Scholarship	2014-2016
Graduate Research Fellowship (GRF)	For pursuing PhD degree in UPM, Malaysia	Universiti Putra Malaysia (UPM)	Scholarship	2007-2010
National Science Fellowship (NSF)	For pursuing M.Sc. degree in UPM, Malaysia	Ministry of Science, Technology and Innovation, Malaysia	Scholarship	2002-2004

Non-Academic Awards				
Putra InnoCreative Competition	Putting STD into STDs	Universiti Putra Malayisa	Gold Medal	2018
The Best InnoCreative in Immersive Learning Experience	Putting STD into STDs	Universiti Putra Malayisa	Winner	2018
Putra Innocreative in Teaching and Learning in UPM	Service Learning in Biotechnology and Biomolecular Sciences	Universiti Putra Malayisa	Third place	2018
Innovation in Teaching (Virtual Microbes)	K-novasi 2018 Teaching & Learning	The National University of Malaysia (UKM)	Gold Medal	2018
Malaysia Technology Expo 2018	Genetic Modification of Newcastle disease virus for the treatment of cancer	Malaysian Association of Research Scientists	Silver Medal	2018
Outstanding Service Award	Outstanding Service Award for year 2016	Universiti Putra Malayisa	Award	2017
Innovation in Teaching and Learning (Virtual Microbes)	Competition on Innovation in Teaching and Learning in UPM	Universiti Putra Malayisa	Second place	2017
Outstanding Service Award	Outstanding Service Award for year 2016	Universiti Putra Malayisa	Award	2017
Conference delegates	8th International Conference on Oncolytic Virus Therapeutics 2014	University of Oxford	Travel award	2014
Awards of Merit				
Hadiah Bekal Khidmat Jaya	Best graduate of Microbiology (academic)	Faculty of Science and Environmental Studies, UPM		2001-2002
Hadiah Pustaka Prinsip	Best second-year student of Microbiology (academic)	Faculty of Science and Environmental Studies, UPM		2000-2001
Dean's distinction list	For obtaining CGPA above 3.5	Faculty of Science and Environmental Studies, UPM		1999-2002
Gold Medalist	Best graduate in Diploma of Lab. Technology	Universiti Sains Malaysia (USM)		1996-1999

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) *(List of publications – author (s), title, journal, volume, page and year published)*	
Journal	1. Chan LC, Kalyanasundram J, Leong SW, Masarudin MJ, Veerakumarasivam A, Yusoff K, Chan SC and **Chia SL**. 2020. Persistent Newcastle Disease Virus Infection in Bladder Cancer Cells is Associated with Putative Pro-Survival and Anti-Viral Transcriptomic Changes. BMC Cancer (Submitted) 2. Leong SW, **Chia SL**, Abas F, Yusoff K. 2020. In-vitro and in-silico evaluations of heterocyclic-containing diarylpentanoids as Bcl-2 inhibitor against LoVo colorectal cancer cells. ChemMedChem (Submitted) 3. Leong SW, **Chia SL**, Abas F, and Yusoff K. 2020. Synthesis and in-vitro anti-cancer evaluations of multi-methoxylated asymmetrical diarylpentanoids as intrinsic apoptosis inducer against colorectal cancer. *Bioorganic & Medicinal Chemistry Letters* **30**: 127065. **https://doi.org/10.1016/j.bmcl.2020.127065** 4. Yusof NA, Leong SW, **Chia SL**, Harun SN, Abdul Rahman MB, Vallis KA, Gill MR, and Ahmad H. 2020. Metallointercalator $[Ru(dppz)2(PIP)]^{2+}$ Renders BRCA Wild-Type Triple-Negative Breast Cancer Cells Hypersensitive to PARP Inhibition. *ACS Chemical Biology* **15(2)**: 378-387. 5. Cheow P-S, Tan TK, Song AAL, Yuosff K. **Chia SL.** 2020. An improved method for the rescue of recombinant Newcastle disease virus. *Biotechniques* **68(2)**: 96-100. 6. Mohamed Amin A, Che Ani MA, Tan SW, Yeap SK, Alitheen NB, Syed Najmuddin SUF, Kalyanasundram J, Chan SC, Veerakumarasivam A, **Chia SL**, Yusoff K. 2019. Evaluation of a Recombinant Newcastle disease virus expressing Human IL12 against Human Breast Cancer. *Scientific Reports* **9**: 13999. **DOI: 10.1038/s41598-019-50222-z** 7. Lee CL, Veeramani S, Molouki A, Lim SHE, Thomas W, **Chia SL**, and Yusoff K. 2019. Virotherapy: Current Trends and Future Prospects for Treatment of Colon and Rectal Malignancies. *Cancer Investigation* **37(8)**: 393 – 414. **DOI:10.1080/07357907.2019.1660887** 8. Tham ML, Yusoff K, Othman S. and **Chia SL**. 2019. V protein, the virulence factor across the family *Paramyxoviridae*: a review. *Asia Pacific Journal of Molecular Biology and Biotechnology* **27(3)**: 73-84. 9. Dyer A, Baugh R, **Chia SL**, Frost S, Iris, Jacobus EJ, Khalique H, Pokrovska TD, Scott EM, Taverner WK, Seymour LW, Lei J. 2019. Turning cold tumours hot: oncolytic virotherapy gets up close and personal with other therapeutics at the 11th Oncolytic Virus Conference. *Cancer Gene Therapy* **26**: 59-73. **https://doi.org/10.1038/s41417-018-0042-1** 10. Faroque H, Lau YS, Yong CX, Abdul Rahim R, **Chia SL**, Othman S. 2018. Bactofection of SW620 cell by *Lactococcus lactis M4. Asia Pacific Journal of Molecular Biology and Biotechnology* **26(1)**: 29-41. 11. Faudzi H, Faroque H, **Chia SL**, Abdul Rahim R, Othman S. 2018. *Lactococcus lactis:* LAB model organism for bacteria-mediated therapeutic strategies. *Asia Pacific Journal of Molecular Biology and Biotechnology* **26(1)**: 1-10.

	12. Leong SW, **Chia SL,** Abas F, Yusoff K. 2018. Asymmetrical meta-methoxylated diarylpentanoids: Rational design, synthesis and anti-cancer evaluation in-vitro. *European Journal of Medicinal Chemistry* **157**: 716-718. 13. Kalyanasundram J, Hamid A, Yusoff K, **Chia SL**. 2018. Newcastle disease virus strain AF2240 as an oncolytic virus: A review. *Acta Tropica* **183**: 126-133. 14. **Chia SL**, Lei J, Ferguson DJP, Dyer A, Fisher KD, Seymour LW. 2017. Group B Adenovirus Enadenotucirev Infects Polarised Colorectal Cancer Cells Efficiently from the Basolateral Surface Expected to be Encountered during Intravenous Delivery to Treat Disseminated Cancer. *Virology* **505**: 162-171. 15. Dyer A, Di Y, Calderon H, Illingworth S, Kueberuwa G, Tedcastle A, Jakeman P, **Chia SL**, Brown A, Silva MA, Barlow D, Beadle J, Hermiston T, Ferguson DJP, Champion B, Fisher KD, Seymour LW. 2017. Oncolytic group B adenovirus Enadenotucirev mediates non-apoptotic cell death with membrane disruption and release of inflammatory mediators. *Molecular Therapy Oncolytics* **4**: 18-30. 16. **Chia SL**. 2016. Viruses as a cure for cancer? *Scientific Malaysian Magazine* **12**: 8-11. 17. Kalyanasundram J, **Chia SL**, Song AAL, Raha AR, Young HA, Yusoff K. 2015. Surface display of glycosylated Tyrosinase related protein-2 (TRP-2) tumour antigen on Lactococcus lactis. *BMC Biotechnology* **15(1)**:113. 18. Khoso FN, Wong SK, **Chia SL,** Lau WH. 2015. Molecular Identification of Synanthropic Flies in Malaysia. *Australian Journal of Basic and Applied Sciences* **9(5)**:390-396. 19. Khoso FN, Wong SK, **Chia SL,** Lau WH. 2015. Assessment of non-biting synanthropic flies associated with fresh markets. *Journal of Entomology and Zoology Studies* **3(1)**: 13-20. 20. **Chia SL**, Yusoff K, Shafee N. 2014. Viral persistence in colorectal cancer cells infected by Newcastle disease virus. *Virology J.* **11 (1)**: 91. 21. **Chia SL**, Tan WS, Yusoff K, Shafee N. 2012. Plaque formation by a velogenic Newcastle disease virus in human colorectal cancer cell lines. *Acta Virologica* **56**: 345-347. 22. **Chia SL**, Tan WS, Shaari K, Abdul Rahman N, Yusoff K, Satyanarayanajois SD. 2006. Structural analysis of peptides that interact with Newcastle disease virus. *Peptides* **27(6)**: 1217-25.
Patents	1. Reverse genetics system to provide recombinant viscerotropic virulent genotype VIII Newcastle disease virus (NDV) strain AF2240-I (rAF). Malaysian Patent Application no: PI2017701829 2. Recombinant Newcastle disease virus as an oncolytic agent. Malaysia Patent Application no: PI2019006518
Proceedings	**1.** Chan, L.C., Kalyanasundram, J., Leong, S.W., Masarudin, M.J., Veerakumarsivam, A., Yusoff, K., Chan, S.C., **Chia, S.L**. 2018. Persistent Newcastle disease virus infection in bladder cancer cells: a transcriptome analysis. 34th Symposium of the Malaysian Society for Microbiology 2018. The Gurney Resort Hotel and Residence, Penang. 7-10 December 2018. **(Oral Presenter)**

	2. Ahmad, H. Harun, S.N., **Chia, S.L.** 2018. Enhanced cytotoxicity of ruthenium complex carried by mesoporous silica nanoparticles. International Conference on Analytical Sciences (SKAM31). Vistana Hotel, Pahang. 17-19 August 2018. 3. Chia, S.L. 2018. Newcastle disease virus strain AF2240 as an oncolytic virus in Malaysia. TYAN-YSN International Thematic Workshop. Akademi Kepimpinan Pendidikan Tinggi (AKEPT), Malaysia. 30 October -1 November 2018. **(Poster Presenter)** 4. Yeong, M.Y., Lei, J., Abdullah, S., Yusoff, K., **Chia, S.L**. 2018. Development of a Stable T7 RNA polymerase expressing cell line using Lentivirus system. Malaysian Society for Microbiology Postgraduate Seminar (MSMPS). University Technology MARA. 9 October 2018. **(Student oral presenter)** 5. Chan, L.C., Kalyanasundram, J., Leong, S.W., Yusoff, K., Masarudin, M.J., Veerakumarsivam, A., Chan, S.C., **Chia, S.L**. 2018. Transcriptomic analysis of EJ28 Bladder cancer cells persistently infected with Newcastle disease virus. Malaysian Society for Microbiology Postgraduate Seminar (MSMPS). University Technology MARA. 9 October 2018. **(Student oral presenter)** 6. Kalyanasundram, J., Hamid, A., Yusoff, K., **Chia, S.L.** 2018. The current research on Newcastle disease virus strain AF2240 as an oncolytic virus in Malaysia. The International Oncolytic Virus Conference 2018. University of Oxford, U.K. 9-12 April 2018. (**Invited speaker)** 7. **Chia, S.L.**, Yusoff, K. 2018. Development of oncolytic Newcastle disease virus for the treatment of cancer. Conference to Promote Safe & Secure Science in the Middle East/North Africa & South/Southeast Asia. Sunway University. 5-9 February 2018. **(Invited speaker)** 8. **Chia, S.L.**, Yusoff, K. 2017. Oncolytic recombinant Newcastle disease virus for the treatment of cancer: current and future prospects. *Malaysian Journal of Medicine and Health Sciences* **13** (Supplementary 1): 12. **(Invited speaker)** 9. Chan, L.C., Yusoff, K., Masarudin, M.J., Chan, S.C., and **Chia, S.L.** 2016. Global transcriptomic analysis of cancer cells persistently infected with Newcastle disease virus. 33rd Symposium of the Malaysian Society for Microbiology 2016. Ramada Plaza Melaka. 14-17 December 2016. 10. Kalyanasundram, J., Yeap, S.K., **Chia, S.L.,** Abdul Rahim, R., Yusoff, K. 2016. Engineering recombinant Newcastle disease virus NDV (rAF2240) for enhanced green fluorescent protein (EGFP) delivery into tumor cells. 33rd Symposium of the Malaysian Society for Microbiology 2016. Ramada Plaza Melaka. 14-17 December 2016. 11. Che Ani, M.A., Kalyanasundram, J., **Chia, S.L.,** Yusoff, K. 2016. Rescue of a genetically modified Newcastle disease virus (NDV) strain AF2240 expressing human interleukin-12 (hIL-12). 33rd Symposium of the Malaysian Society for Microbiology 2016. Ramada Plaza Melaka. 14-17 December 2016. 12. Khoso, F.N., Wong, S.K., **Chia, S.L.**, Lau, W.H. 2013. Identification of synanthropic flies in wet markets in Serdang, Selangor. Postgraduate Symposium on Plant Protection 2013, Residence Hotel, Bangi, Selangor.

	13. **Chia, S.L.** 2013. Evaluation of Newcastle disease virus as an oncolytic agent in colorectal cancer cell lines. The Bioscience Seminar Series (Infectious disease research cluster) of School of Biosciences, Taylor's University. **(Invited speaker)** 14. **Chia, S.L.** 2013. Evaluation of Newcastle disease virus as an oncolytic agent in colorectal cancer cell lines. The BioTech Seminar 2013. Faculty of Biotechnology and Biomolecular Sciences, Universiti Putra Malaysia. **(Invited speaker)** 15. **Chia, S.L**., Shafee, N., Yusoff, K. 2012. Newcastle disease virus as a virotherapeutic agent for cancers. *Regenerative Research* **1 (Supp 1)**: 41. 16. **Chia, S.L.**, Yusoff, K., Shafee, N. 2011. A modified plaque assay method for accurate analysis of Newcastle disease virus infectivity in cancer cells. Oncolytic Viruses as Cancer Therapeutics, Las Vegas, NV, March 16-19, 2011. 17. **Chia, S.L.**, Shafee, N., Tan, W.S., Yusoff, K. 2009. Newcastle disease virus-host interactions. *Newcastle Disease Virus Colloquium 2009*, Port Dickson, NS, August 14-15, 2011. pg. 23-24. 18. **Chia, S. L**., Tan, W. S., Shaari, K., Jois, D. S. S., and Yusoff, K. 2005. Structural analysis of peptides that interact with Newcastle disease virus. Colloquium on viruses of veterinary & public health importance. 123-126. (Oral Presenter) 19. **Chia, S. L**., Tan, W. S., Shaari, K., Jois, D. S. S., and Yusoff, K. 2004. Structural analysis of peptides that interact with Newcastle disease virus. The 4th annual seminar of National Science Fellowship 2004. 102-105. **(Oral Presenter)** 20. **Chia, S. L**., Tan, W. S., Shaari, K., Abdul Rahman, N. and Yusoff, K. 2003. Synthesis of a novel peptide inhibitor against Newcastle disease virus. A colloquium on Newcastle disease. Putrajaya, Malaysia. **21. Chia, S. L**., Tan, W. S., Shaari, K., Jois, S. D. S. and Yusoff, K. 2003. Structural analysis of novel peptide inhibitors against Newcastle disease virus. The 28th annual conference of the Malaysian Society for Biochemistry & Molecular Biology. Putrajaya, Malaysia. **(Best Poster Presentation).**
Books/Monographs	**1. Chia SL,** Song AAL, Hashim AM, Shariff FM, Hanish I, Yusoff K, Yusof MT, Hamid M, Shafee N, Raja Abd Rahman RNZ, Ismail S, Mustafa S, Sabri S, Saad WZ, Tan WS. 2017. A Laboratory Manual on Molecular Techniques for Identification of Bacteria and Fungi. **(ISBN 978-983-443-461-8)** **2. Newcastle disease virus colloquium 2009 (ISBN 978-967-344-077-1)** Member of the editorial board
Book Chapter	1. Yasmin AR, **Chia** SL, Looi QH, Omar AR, Noordin MM, and Ideris A. 2019. Herbal extracts as antiviral agents. *In* Feed Additives 1st Edition Aromatic Plants and Herbs in Animal Nutrition and Health. Ed. Florou-Paneri P, Christaki E, Giannenas I. Elsevier: Academic Press. Pg 115-132. **(ISBN: 9780128147009; ebook ISBN: 9780128147016)**
Other publications	1. Khoso, F.N., Wong, S.K., **Chia, S.L.** and Lau, W.H. 2013. Cytochrome oxidase subunit I (COI) gene sequences of 17 local flies submitted and published in **GenBank. Accession no. KC855270 – KC855286.**

H. PROJEK PENYELIDIKAN TERDAHULU *(Past Research Project)*					
Project No.	***Project Title***	***Role***	***Year***	***Source of fund***	***Status***
FRGS/2019/5540173 RM193,800	Generation of a recombinant Newcastle disease virus (rAF-GFP) encoding monoclonal antibody (9mAB) targeting programmed death ligand 1 (PD-L1)	Co-researcher	2019	FRGS	On-going
FRGS/2019/5540089 RM71,000	Whole Genome sequencing of bacteriophages as biocontrol for rice disease caused by *Xanthomonas oryzae* pv *oryzae*	Co-researcher	2019	FRGS	On-going
FRGS/2019/5540058 RM100,500	Invesitgating the efficiency of DNA delivery by *Lactococcus lactis* M4 in differentiated Caco-2 cells	Co-researcher	2019	FRGS	On-going
GP/2018/9600700 RM50,000	Construction of a recombinant Newcastle disease virus strain AF2240 with reduced pathogenicity towards chicken	Principle investigator	*2018*	Putra Grant	*On-going*
GP-IPS/2018/9601800 RM19,000	Development of a Stable T7 RNA Polymerase Expressing Cell Line using Lentivirus System for the Recovery of Recombinant Newcastle Disease Virus	Principle investigator	*2018*	Putra Grant	*On-going*
01-01-17-1882FR 5540004 RM98,000	Construction of non-replicating Newcastle disease virus with reduced anti-genome	Principle investigator	2017	FRGS	On-going
GP/2017/9560000 RM50,000	Effects of immunosuppression on calves immune response to an attenuated derivative of *Pasterurella multocida* B:2	Co-researcher	2019	Putra Grant	On-going
FRGS/1/2017/SKK15/UMP/03/1 RM93,400	Investigation of the roles of cutaneous papillomaviruses oncoproteins in cellular transformation	Co-researcher	2017	FRGS	On-going
NUOF 6300868-14201 RM1,021,460	Translational development of oncolytic Newcastle Disease Virus for treatment of colorectal cancer	Co-researcher	2017	Newton-Ungku Omar Fund (NUOF)	On-going
FRGS RM75,300	In-vitro Evaluation of Novel Mesoporous Silica Nanovehicles for the	Co-researcher	2017	FRGS	On-going

	Delivery of Ruthenium(II) Anticancer Drug				
TRGS/2/2014/UPM/01/1/1 5535400 RM453,000	Rescue of a genetic engineered lentogenic NDV vaccine with enhanced immunogenic properties	Co-researcher	2015	TRGS	Completed
02-01-15-1603FR 5524708 RM155.000	Mechanism of methicillin resistant Staphylococcus aureus biofilms degradation by phage display	Co-researcher	2015	FRGS	Completed
FP0514B0021-2 MGI/FS/2015-02 RM 4,171,000.00	Enhancing the therapeutic potential of rAF NDV cancer vaccine	Co-researcher	2015	DSTIN	Completed
GP-IPB/2014/ 9425801 RM135,000	Developing a Nanoparticulate-Delivery System for Increased Therapeutic Delivery of Anticancer Drugs using Fluorescently Labelled Chitosan Nanoparticles	Co-researcher	2014	Putra Grant	Completed
GP-IPS/2014/ 9429500 RM15,000	Investigating the behaviour of Lactococcus lactis M4 during interaction with human colon cancer cell line, SW620	Co-researcher	2014	Putra Grant	Completed
GT-IPM/2013/ 9404400 RM50,000	Global Transcriptomic Analysis of Colorectal Cancer Cells Persistently Infected with Newcastle Disease Virus	Principle investigator	2013	Putra Grant	Completed
GT-IPS/2013/ 9397000 RM15,000	Detection of Persistent Newcastle disease virus Infection in Various Cancer Cell Lines	Principle investigator	2013	Putra Grant	Completed

I. Penyeliaan Pelajar Siswazah *(Postgraduate students Supervision)*					
Name	*Project Title*	*Role*	*Level*	*Year Finished*	*Status*
Fahad Nazir Khoso	Identification of non-biting synanthropic flies and expression of their cathepsin L for controlling *Spodoptera litura* fabricius and *Plutella xylostella* linnaeus	Co-supervisor	Ph.D.	2015	Graduated
Jeevanathan Kalyanasundram	Construction and analysis of *Lactococcus lactis* expressing Trp-2 for Novel Mucosal cancer vaccine	Co-supervisor	MSc.	2015	Graduated
Bon Woo Kiat	Efficacy of Newcastle disease virus (NDV) in mycoplasma contaminated cancer cells	Co-supervisor	MSc.	2016	Graduated
Habibah Faroque	Characterisation of *Lactococcus lactis* M4 carrying the dual-expression plasmid to demonstrate bactofection of human colon cancer cell line, SW620	Co-supervisor	MSc.	2017	Graduated
Chan Lee Chin	Transcriptomic analysis of EJ28 Bladder cancer cells Persistently infected with Newcastle disease virus	Main supervisor	MSc.	2018	Graduated
Jeevanathan Kalyanasundram	Engineering Newcastle disease virus, NDV AF2240 for pro-apoptotic gene delivery into colorectal cancer cells	Co-supervisor	Ph.D	2019	Completed
Lee Bei Ru	Recovery of a recombinant Newcastle disease virus strain AF2240-i with reduced virulence by genetic manipulation of its virulence factors	Co-supervisor	MSc.	2019	Completed
Yeong Ming Yue	Development of a stable T7 RNA polymerase expressing cell line using Lentivirus system	Main supervisor	MSc.	2019	Completed
Nur Aininie Yusoh (Chemistry)	co-delivery of Ruthenium polypyridyl complex and cisplatin	Co-supervisor	MSc.		Thesis submitted
Cheow Pheik Sheen	Construction of non-replicating Newcastle disease virus with reduced anti-genome	Main supervisor	Ph.D		On-going
Chan Lee Chin	Effect of recombinant shRNA-expressing NDV in persistent NDV infected colorectal cancer cells	Main supervisor	Ph.D		On-going
Nurneqman Nashreq Kosni	Investigation of hypoxia influence on Newcastle disease virus oncolytic activity	Main Supervisor	Ph.D		On-going
Siti Norain Harun (Chemistry)	Potential of Ru(II) complexes as DNA replication inhibitor and effects on cytotoxicity optimized by mesoporous silica nanoparticles delivery	Co-supervisor	Ph.D.		On-going
Hanis Faudzi	Investigating the interactions between Lactococcus lactis M4 with differentiated an non-	Co-supervisor	Ph.D		On-going

	differentiated Human colorectal cancer cells, Caco-2				
Rafidah Saadun	Whole Genome sequencing of bacteriophages as biocontrol for rice disease caused by *Xanthomonas oryzae* pv *oryzae*	Co-supervisor	Ph.D		Ongoing
Tham May Ling	Truncation of Newcastle disease virus V gene via site directed mutagenesis.	Main supervisor	MSc.		On-going
Nur Zafirah Fikri Ooi	Construction of recombinant NDV plasmids containing human and mouse granulocyte macrophage-colony stimulating factor (GM-CSF).	Main supervisor	MSc.		On-going
Liu Jian (Agriculture)	Encapsulation study of potential bacteriophages for controlling *Xanthomonas oryzae* in rice	Co-supervisor	MSc.		On-going
Yap Han Yun	Purification and characterisation of proteinaceous cytobiotic compound from postbiotic produced by *Lactobacillus plantarum* 1-UL4 against MCF 7 breast cancer cells.	Co-supervisor	MSc.		On-going
Lu Tianyao	The Effect of Mutant Length of Newcastle Disease Virus on Pathogenicity.	Co-supervisor	MSc.		Ongoing
Nur Amiera Fatin Azman	Role of autophagy in Newcastle disease virus induced oncolysis	Co-supervisor	MSc.		On-going
Megat Mohamad Irfan Rozilah	Role of autophagy in Newcastle disease virus induced oncolysis	Co-supervisor	MSc.		Ongoing
Laiella Shaahierra Jann Hishamuddin	Purification and characterisation of proteinaceous cytobiotic compound from postbiotic produced by *Lactobacillus plantarum* 1-UL4 against MCF 7 breast cancer cells.	Co-supervisor	MSc.		Ongoing

J. Pemeriksa Pelajar Siswazah *(Postgraduate students Examination)*

Name	*Project Title*	*Role*	*Level*	*Year examined*
Nur Elena Mat Nayan (UM)	Development of a Luciferase-based Seroneutralization Test for Enterovirus D68	External examiner	MSc	2019
Noorzaileen Eileena Zaidi (UPM)	Evaluation on the tumoricidal activity and inflammatory responses effect of Palmitic and Oleic acid in Murine Macrophage	Internal examiner (conversion of MSc. to PhD)	MSc	2020
Mira Nadiah Mohd Izham (UPM)	Preparation, characterization and in vivo sub-chronic toxicity of Self Nano-Emulsifying drug delivery system loaded with citral and its anti-proliferative effect on colorectal cancer cell in vitro.	Internal examiner (conversion of MSc. to PhD)	MSc	2020
Lim Shi Yun (TAR UC)	Cellular Destruction And Regulation Of Bcl-2 Family Gene Expression Via Photosensitivity Of Leave Extracts From *Clinacanthus Nutans* And *Strobilanthes Crispus*	External examiner	MSc	2020

Ahmad Zuhairi Abdul Malek (Nottingham University)	In silico analysis of bacteriocin in *Weissella cibaria* NM1 and its *in vitro* inhibitory activity against *Pseudomonas aeruginosa* ATCC10145	External examiner	MPhil	2020