

PERSONAL DETAILS

Name	Dzulsuhaimi Bin Daud
Position	Senior Lecturer (DM52)
Address	School of Biology, Faculty of Applied Sciences, Universiti Teknologi MARA, 40450 Shah Alam, Selangor.
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EDUCATION

Master of Science in Zoology (Reproductive Biology), Universiti Kebangsaan Malaysia (2003)

Bachelor of Science (Hons) in Conservation Biology (Zoology), Universiti Kebangsaan Malaysia (1999)

PROFESIONAL AFFILIATION**Asian Federation of Biotechnology (AFOB) – Malaysia Chapter**

Membership ID: MY00664

Laboratory Animal Science Association of Malaysia (LASAM)

Ordinary Membership ID: OM2162/2018

EMPLOYMENT HISTORY**Senior Lecturer (2016 – Current)**

School of Biology, Faculty of Applied Sciences, Universiti Teknologi MARA, 40450 Shah Alam, Selangor.

Lecturer (2003 – 2016)

School of Biology, Faculty of Applied Sciences, Universiti Teknologi MARA, 40450 Shah Alam, Selangor.

Graduated Research Assistant (1999 – 2003)

School of Biosciences and Biotechnology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, 43600 Bangi, Selangor.

POSTGRADUATE SUPERVISION**POSTGRADUATE (MASTER BY RESEARCH) SUPERVISION**

	Students Name	Supervision	Institutions	Year Enrolled	Year End
1	Marysia Binti Booh	Co-supervisor	UiTM	2012	2018
2	Habsah Binti Zahari	Co-supervisor	UiTM	2012	2016
3	Nur Ajeerah Binti Suhaimi	Co-supervisor	UiTM	2015	2018
4	Amyrul Rafiq Bin Zulkifli	Co-supervisor	UiTM	2015	2018
5	Nabihah Binti Sarpin	Co-supervisor	UiTM	2015	2018

POSTGRADUATE (MASTER BY MIXED-MODE) SUPERVISION

	Students Name	Supervision	Institutions	Year Enrolled	Year End
1	Nurul Husna Mat Jani	Supervisor	UiTM	2016	2018

RESEARCH FUNDINGS

NATIONAL RESEARCH FUNDING (MOSTI, MOHE, MOE etc)

	Research Project	Source	Total Funds	Begin Year	End Year
1	Principal Researcher: Male mice reproductive performance following <i>Cosmos caudatus</i> consumption (600-RMI/FRGS 5/3 64/2013)	FRGS	RM90,500	2013	2016
2	Co-Researcher: Anti-infertility activities of <i>Ficus deltoidea</i> leaves extract on female rat with polycystic ovarian syndrome (600-RMI/ERGS 5/3 6/2013)	ERGS	RM110,000	2013	2015
3	Co-Researcher: Mechanistic studies on the antidiabetic activity of Azadirachtin from <i>Azadirachta excelsa</i> (600-RMI/FRGS 5/3 56/2013)	FRGS	RM80,000	2013	2015
4	Co-Researcher: Role of <i>Cosmos caudatus</i> consumption on male fertility (600-RMI/RAGS 5/3 8/2012)	RAGS	RM80,000	2012	2014
	TOTAL		RM360,500.00		

INTERNAL RESEARCH FUNDING (UiTM)

	Research Project	Total Funds	Begin Year	End Year
1	Principal Researcher: Bioactivity of <i>Zingiber zerumbet</i> in diet-induced obesity Sprague Dawley rats (600-IRMI/DANA 5/3/LESTARI (0088/2016)	20,000.00	2016	2018
2	Principal Researcher: Reproductive toxicity and pharmacodynamic study on acute hypotensive activities of peptides based on betulinic acid scaffold (RIF 634/2012)	32,000.00	2012	2014
3	Co-Researcher: Effects of nitrogenous gases on the distribution and diversity of epiphytic algae and lichen (RIF 325/2012)	32,000.00	2012	2014
4	Co-Researcher: Scaffolds synthesis of cis-gamma-butyrolactone amine salt and cyclohexane silylether amine salt (RIF 690/2012)	32,000.00	2012	2014
5	Co-Researcher: Histopathological analysis of biopsied cryopreserved murine embryos (600-IRDC/ST 5/3/873)	38,850.96	2004	2005
6	Co-Researcher: Evaluation of <i>Physallis minima</i> Linn as anti-diabetic agent to a streptozotocin-induced diabetic rats (600-IRDC/ST 5/3/892)	19,995.48	2004	2005
	TOTAL	RM174,846.44		

PUBLICATIONS – REFEREED JOURNALS

1. **Dzulsuhaimi Daud**, Adriana Azahar, Siti Solehah Fatinah Zainal Abidin, Alene Tawang, Ernie Eileen Rizlan Ross & Nooraain Hashim. Comparative effects of *Cosmos caudatus* and *Piper sarmentosum* aqueous extracts on estrous cycle and fertility in female mice. *Journal of Pharmaceutical Advanced Research*. 2018; 1(7): 346-351
2. **Dzulsuhaimi Daud**, Nur Lisma Ruhila Alias, Mohd Tajudin Mohd Ali & Alene Tawang. Physical signs of illness, liver functions and reproductive parameters of female rats supplemented with *Melaleuca cajuputi* methanolic extract. *Journal of Applied Pharmaceutical Science*. 2018; 8(4): 139-142 [Scopus]
3. Faridahanim Mohd Jaafar, Farah Shahirah Zainal, Norizan Ahmat, **Dzulsuhaimi Daud** & Nooraain Hashim. The effects of *Curculigo latifolia* Dryand ethanolic extracts on sperm quality of mice, *Mus musculus*. *ESTEEM Academic Journal*. 2017; 13(Special Issue): 75-82
4. Nabihah Sarpin, **Dzulsuhaimi Daud** & Nooraain Hashim. Comparative effects of *Cosmos caudatus*, *Piper sarmentosum* and *Premna cordifolia* ethanolic extracts on mice (*Mus musculus*) sperm parameters. *Malaysian Applied Biology*. 2017; 46(1): 9-14 [Scopus]
5. **Dzulsuhaimi Daud**, Nur Faza Mohd Fekery & Nooraain Hashim. Reproductive health of rats with benign prostatic hyperplasia following *Cosmos caudatus* ethanolic extract consumption. *Journal of Applied Pharmaceutical Science*. 2017; 7(6): 202-205 [Scopus]
6. Asmida Ismail, Noor Akmal Abd Wahab, Mohd Talib Latif, Mohd Nizam Mohd Said, Ahmad Ismail, Amyrul Rafiq Zulkifli, Ihsan Alwi, **Dzulsuhaimi Daud** & Fatin Normas Sulaiman. Atmospheric air pollution and roughness of bark as possible factor in increasing density of epiphytic terrestrial algae. *Asian Journal of Applied Sciences*. 2016; 4(2): 256-261
7. **Dzulsuhaimi Daud**, Siti Fatimah Elias, Fatimah Sarah Mohamad Hassan, Mohammad Noor Jalil & Alene Tawang. *Physalis minima* Linn methanolic extract reduces blood glucose level without compromising sperm quality in normoglycaemic mice. *Journal of Applied Pharmaceutical Science*. 2016; 6(6): 8-11 [Scopus]
8. **Dzulsuhaimi Daud**, Nur'Amirah Badruzzaman, Norrizah Jaafar Sidik & Alene Tawang. *Phaleria macrocarpa* fruits methanolic extract reduces blood pressure and blood glucose in spontaneous hypertensive rats (SHR). *Journal of Applied Pharmaceutical Science*. 2016; 6(1): 158-161 [Scopus]
9. **Dzulsuhaimi Daud**, Nur Fazuliana Mohd Arsad, Asmida Ismail & Alene Tawang. Anti-pyretic action of *Caulerpa lentillifera*, *Hibiscus rosa-sinensis* and *Piper sarmentosum* aqueous extract in mice. *Asian Journal of Pharmaceutical and Clinical Research*. 2016; 9(1): 145-147 [Scopus]
10. **Dzulsuhaimi Daud**, Adriana Azahar, Siti Solehah Fatinah Zainal Abidin & Alene Tawang. The effects of *Cosmos caudatus* and *Piper sarmentosum* aqueous extracts on male mice fertility. *International J. Pharmacy and Pharmaceutical Sciences*. 2015; 7(12): 296-298 [Scopus]
11. **Dzulsuhaimi Daud**, Nor Nafiza Sepuan Gan, Mohd Tajudin Mohd Ali & Alene Tawang. The effect of *Melaleuca cajuputi* methanolic leaves extract on body growth, puberty and sperm quality of juvenile male rats. *BioTechnology An Indian Journal*. 2015; 11(3): 115-119
12. **Dzulsuhaimi Daud**, Nabihah Md Naw, Asmida Ismail & Alene Tawang. The effect of *Eucheuma cottonii* on sperm quality and tissue lead levels in rats exposed to lead nitrate. *BioTechnology An Indian Journal*. 2015; 11(4): 138-143
13. Asmida Ismail, Simon Archer, Jeffrey Bates, **Dzulsuhaimi Daud** & Ahmad Ismail. Epiphytic terrestrial algae near pig and poultry farm in Southeast England and its relationship to ammonia and other nitrogenous gases emitted from the source. *Advances in Environmental Biology*. 2015; 9(14): 162-168
14. Ihsan Alwi, Asmida Ismail, Siti Khairiyah Mohd Hatta, Faeiza Buyong, Norashirene Mohamad Jamil, **Dzulsuhaimi Daud**, Noor Akmal Wahab & Ahmad Ismail. Bark pH as a factor affecting the density of

- epiphytic terrestrial algae in Taman Wetland Putrajaya, Malaysia. *Journal of Applied and Physical Sciences*. 2015; 1(1): 13-18
15. Marysia Julius Booh, Nur Hilwani Ismail, **Dzulsuhaimi Daud** & Nooraain Hashim. Plasma testosterone and testis histological features of mice treated with *Averrhoa bilimbi*, *Cosmos caudatus* and *Pereskia bleo* ethanolic extract. *Advances in Environmental Biology*. 2015; 9(21): 56-61
 16. Marysia Julius Booh, Nooraain Hashim, **Dzulsuhaimi Daud** & Nur Hilwani Ismail. Histological changes on testes of mice administered with different concentrations of *Cosmos caudatus* ethanolic extract. *Malaysian Applied Biology*. 2015; 44(3): 33-36 [Scopus]
 17. Marysia Julius Booh, Nooraain Hashim, Nur Hilwani Ismail, **Dzulsuhaimi Daud**, Nurdiana Samsulrizal & Mohd Fakharul Zaman Raja Yahya. Effects of *Cosmos caudatus* on sperm quality of mice, *Mus musculus*. *Malaysian Applied Biology*. 2015; 44(1): 89-93 [Scopus]
 18. Wan-Rozianoor, M.H., Fatin-Nadia, M. & **Dzulsuhaimi, D.** *In vivo* evaluation of hair growth potential of *Stachytarpheta jamaicensis* ethanolic leaves extract on Sprague Dawley rats. *Natural Products An Indian Journal*. 2014; 10(1): 17-21
 19. Marysia Julius Booh, Nooraain Hashim, Nur Hilwani Ismail, **Dzulsuhaimi Daud**, Nurdiana Samsulrizal & Mohd Fakharul Zaman Raja Yahya. Health benefits and effects of selected herbal plants on mammalian reproductive system : A review. *Science Letters*. 2014; 8(2): 10-14
 20. Norizzah, J.S., Norizan, A., Sharipah Ruzaina, M.A., **Dzulsuhaimi, D.** & Nurul Hidayah, M.S. Cytotoxicity activity and reproductive profiles of male rats treated with methanolic extracts of *Ficus deltoidea*. *Research J. Medicinal Plant*. 2012; 6(2): 197-202 [Scopus]
 21. Nor Ashikin MNK, **Dzulsuhaimi D**, Rajikin MH, Abdullah RB, Zulqarnain Mohamed, Faizah S & Mohamed Said MS. The effects of biopsy and cryopreservation by vitrification on the *in vitro* development of eight-cell mouse embryos. *Biomedical Research*. 2006; 17(1): 61-66 [Scopus]
 22. Mahanem Mat Noor, **Dzulsuhaimi D**, Abu Hassan Shaari MN & Azrinna H. Kepentingan ion kalsium ke atas pelakuran sperma-oosit hamster (*Mesocricetus auratus*). *Jurnal Biosains*. 2004; 15(2): 1-14
 23. Mahanem MN & **Dzulsuhaimi D**. The effect of M1 monoclonal antibody on *in vivo* fertilization in hamsters. *Malaysian Applied Biology*. 2003; 32(1): 15-20
 24. Mahanem Mat Noor, Hazimin H, **Dzulsuhaimi D**, Abas MO & Fauziah M. Immunolocalization and the effect of cryopreservation on M1 antigen of ram spermatozoa. *The Sciences*. 2001; 1(4): 187-192

PUBLICATIONS – CONFERENCE ABSTRACTS AND PROCEEDINGS

1. **Dzulsuhaimi Daud**, Ahmad Nazrin Zainal, Muhammad Naqib Nordin, Asmida Ismail & Alene Tawang (2014) *Caulerpa lentillifera* improves sperm quality and reduces lead accumulation in mice exposed to lead nitrate. *Book of Abstracts: 27th Regional Symposium of Malaysia Analytical Sciences*, 8-10th December 2014, KSL Resorts Johor Bahru, Johor, Malaysia. pg. 242
2. **Dzulsuhaimi Daud**, Nur Fazuliana Mohd Arsad, Asmida Ismail & Alene Tawang (2014) Anti-pyretic activity of *Caulerpa lentillifera*, *Hibiscus rosa-sinensis* and *Piper sarmentosum*. *Book of Abstracts: 21st MSMBB Annual Scientific Meeting*, 1st – 3rd October 2014, Monash University Malaysia, Bandar Sunway, Selangor, Malaysia. pg. 67
3. **D. Daud.**, D. Blache., S.K. Maloney., J.T.B. Milton & G. Jackson (2011) Does canola meal substitution advance the timing of puberty and sexual maturity in male alpacas? *Book of Abstracts: The Second World Congress on Reproductive Biology*, 9th – 12th October 2011, Cairns Convention Center, Cairns, Queensland, Australia.

4. Nor Ashikin Mohamed Noor Khan, **Dzulsuhaimi Daud** & Hamim Rajikin (2007) Analysis of biopsied and cryopreserved murine embryos. *Book of Abstracts: Conference on Scientific & Social Research 2007*, 3rd – 5th July 2007, Sunway Lagoon Resort Hotel, Petaling Jaya, Selangor, Malaysia. pg 599
5. Mohd Tajudin Mohd Ali, Zainon Mohd Noor, **Dzulsuhaimi Daud** & Raja Sahrul Idzuan (2007) Antimicrobial activities of the methanolic extract of *Solenostemon scutellarioides*. *Book of Abstracts (Addendum): Asia Pacific Conference on Plant Tissue Culture and Agribiotechnology (APaCPA) 2007*, 17th-21st June 2007, PWTC, Kuala Lumpur, Malaysia. pg 9
6. **Dzulsuhaimi, D.**, Mat-Nor, J., Fatimah-Sarah, M.H., Mohd-Tajudin, M.A. & Alene, T. (2007) Hypoglycaemic activity of *Physalis minima* water extract in normal mice. *9th Symposium of The Malaysian Society of Applied Biology*, 30th-31st May 2007, Bayview Georgetown Hotel, Georgetown, Penang, Malaysia. pg 385-388
7. **Dzulsuhaimi Daud**, Siti Sarah Syed Mohd Razali, Norizan Ahmat, A.H. & Sharipah Ruzaina Syed Aris (2006) Hypoglycaemic properties of *Momordica charantia* methanol extract in alloxan-induced diabetic rats. *Book of Abstracts: 5th ANRAP International Seminar-MNPS 22nd Annual Seminar 2006*, 8-10th November 2006, Cititel Hotel, Midvalley City, Kuala Lumpur, Malaysia. pg. 161
8. Mohd Tajudin, M.A., Dahlia, S. & **Dzulsuhaimi, D.** (2006) Evaluation of hypoglycaemic activity of *Pithecellobium jiringa* seed powder in alloxan-induced diabetic rats. *Book of Abstracts: 5th ANRAP International Seminar-MNPS 22nd Annual Seminar 2006*, 8-10th November 2006, Cititel Hotel, Midvalley City, Kuala Lumpur, Malaysia. pg. 124
9. Nor Hadiani Ismail, **Dzulsuhaimi Daud**, Abdul Rashid Li & Faridahanim Mohd Jaafar (2006) Antidiabetic effect of *Leucaena leucocephala* ethanolic extract on alloxan-induced diabetic rats. *Book of Abstracts: 5th ANRAP International Seminar-MNPS 22nd Annual Seminar 2006*, 8-10th November 2006, Cititel Hotel, Midvalley City, Kuala Lumpur, Malaysia. pg 92
10. Nor-Ashikin, M.N.K., Rajikin, M.H., **Dzulsuhaimi, D.**, Abdullah, R.B., Zulqarnain, M. & Mohamed-Said, M.S. (2006) Vitrification of preimplantation murine embryos: A step towards preimplantation genetic diagnosis (PGD). *International Congress of Medicine 2006*, 11-13th August 2006, Putrajaya International Convention Centre (PICC) Putrajaya, Malaysia. pg 77
11. **Dzulsuhaimi, D.**, Wan-Muhammad-Azim, W.A.Z. & Alene, T. (2006) Assessment of antifertility activities of *Momordica charantia* in male mice. *Persidangan Biologi Kebangsaan 2006*, 26-28th June 2006, The Legend Hotel, Kuala Lumpur. pg 28-31
12. Tawang, A., Mat-Nor, M. & **Dzulsuhaimi Daud** (2006) Contraceptive effect of M1 protein: Histological analysis on male reproductive organ. *Persidangan Biologi Kebangsaan 2006*, 26-28th June 2006, The Legend Hotel, Kuala Lumpur. pg 1-8
13. Mohamad Nizzuan Mat Hashim, Nor Zakiah Mohamed, Rusdin Laiman, **Dzulsuhaimi Daud**, Saaluddin Asri, Muhammad Rahimi Osman, Che Maznah Mat Isa & Sulaiman Shaari (2005) Total energy management in UiTM : Nontechnical activities. *Proceedings of Workshop on Total Energy Management for The UiTM System*, 26-28th May 2005, Intekma Resort, Shah Alam, Malaysia. pg 40-47
14. Sulaiman Shaari, Rusdin Laiman, **Dzulsuhaimi Daud**, Mohamad Nizzuan Mat Hashim, Nor Zakiah Mohamed & Saaluddin Asri (2005) *Proceedings of Workshop on Total Energy Management for The UiTM System*, 26-28th May 2005, Intekma Resort, Shah Alam, Malaysia.
15. **Dzulsuhaimi Daud.**, Mahanem, M.N. & Alene, T. (2005) Inhibition of male hamsters (*Mesocricetus auratus*) fertility by M1 monoclonal antibodies passive immunization. *Book of Abstracts: MSA Golden Jubilee International Science Congress (ISC) 2005*, 3-6th August 2005, PWTC Kuala Lumpur, Malaysia. pg 202-203
16. **Dzulsuhaimi, D.**, Mahanem, M.N. & Azrinna, H. (2002) Kesan kalsium ionofor dan kehadiran antibodi M1 ke atas perlakuan sperma-telur hamster (*Mesocricetus auratus*). *Prosiding Seminar UKM-UNRI Ke-2*, 8-9 Oktober 2002, UKM Bangi, Malaysia. ms 257-261

17. **Dzulsuhaimi, D.** & Mahanem, M.N. (2002) Kesan antibodi monoklon M1 ke atas persenyawaan *in-vivo* hamster betina. *Pascasidang Kolokium Siswazah Pertama, Fakulti Sains dan Teknologi, UKM*, 16-17 April 2002, UKM Bangi, Malaysia. ms 45-47
18. Mat-Noor, M., **Dzulsuhaimi, D.** & Abas-Mazni, O. (1999) Identification and characterization of M1 antigen in ram spermatozoa. *11st National Biotechnology Seminar*, 22-24th November 1999, Melaka, Malaysia.

PUBLICATIONS – BOOK(S) AND CHAPTER(S) IN BOOK

1. Sulaiman Shaari et al., (2006) Total Energy Management For The UiTM System. UPENA, Shah Alam, Selangor. ISBN 983-9414-68-2.
2. **Dzulsuhaimi Daud**, Siti-Sarah, S.M.R., Norizan, A., Sharipah Ruzaina, S.A. & Mohd Tajuddin, M.A. (2008). Hypoglycemic properties of *Momordica charantia* methanol extract in alloxan-induced diabetic rats. In: Nor Hadiani, I. & Khozirah, S. (Eds). *Beyond Medicinal Plant: Reality and Challenges in Antidiabetic Research*. University Publication Centre (UPENA), Universiti Teknologi MARA, Shah Alam. pp35-39.
3. Mohd Tajuddin, M.A., Dahlia, S., **Dzulsuhaimi, D.** & Norizan, A. (2008). Evaluation of hypoglycemic activity of *Pithecellobium jiringa* seed powder in alloxan-induced diabetic rats. In: Nor Hadiani, I. & Khozirah, S. (Eds). *Beyond Medicinal Plant: Reality and Challenges in Antidiabetic Research*. University Publication Centre (UPENA), Universiti Teknologi MARA, Shah Alam. pp123-126.
4. Nor Hadiani, I., **Dzulsuhaimi, D.**, Abdul Rashid, L. & Faridah Hanim, M.J. (2008) Antidiabetic effect of *Leucaena leucocephala* ethanolic extract on alloxan-induced diabetic rats. In: Nor Hadiani, I. & Khozirah, S. (Eds). *Beyond Medicinal Plant: Reality and Challenges in Antidiabetic Research*. University Publication Centre (UPENA), Universiti Teknologi MARA, Shah Alam. pp131-136.

EVALUATION ACTIVITIES

1. Article Reviewer 'Anti-trypanosomal, anti-oxidant and antimicrobial activities of solvent derived extract of the fruiting bodies of *Ganoderma lucidum*'. 24 September 2018. *Journal of Applied Pharmaceutical Science* (ISSN: 2231-3354). Open Science Publishers, India.
2. Article Reviewer 'Acute and sub-chronic toxicity studies of *Dichaetanthera africana* (Hook. F.) Jacq. Fel. (Melastomataceae) stem bark ethanol extract'. 15 April 2018. *Journal of Applied Pharmaceutical Science* (ISSN: 2231-3354). Open Science Publishers, India.
3. Article Reviewer 'Ameliorating effect of green tea, sage and their mixture against methomyl-induced physiological, biochemical and histopathological alterations in male rats'. 14 March 2018. *Journal of Applied Pharmaceutical Science* (ISSN: 2231-3354). Open Science Publishers, India.
4. Article Reviewer 'Uranium-induced cytotoxicity in HEK 293T cells is reduced by a β -glucan type exopolysaccharide produced by *Enterobacter* sp. YG4'. 7 March 2018. *Journal of Applied Pharmaceutical Science* (ISSN: 2231-3354). Open Science Publishers, India.
5. Article Reviewer 'Potensi anti-hiperglisemia *Lunasia amara* dan kesannya terhadap kesuburan tikus jantan teraruh diabetes'. 8 February 2018. *Sains Malaysiana* (ISSN: 0126-6039), UKM Press, Malaysia.
6. Article Reviewer 'Histopathological study of toxicity impacts of silk dye waste on liver of Swiss albino male mice *Mus musculus* and its mitigation by using *Moringa oleifera* leaf powder'. 4 February 2018. *Journal of Animal Science and Veterinary Medicine* (ISSN: 2536-7099). Integrity Research Journals, Nigeria.
7. Article Reviewer 'Apoptotic, antiproliferative and antimigratory activity of a common Mediterranean herb, Za'atar (*Origanum syriacum*) against metastatic colon cancer cells'. 26 January 2018. *Journal of Applied Pharmaceutical Science* (ISSN: 2231-3354). Open Science Publishers, India.

8. Article Reviewer 'Potensi afrodisiak *Lunasia amara* ke atas tikus jantan aruhan diabetes'. 17 November 2017. Sains Malaysiana (ISSN: 0126-6039). UKM Press, Malaysia.
9. Article Reviewer 'Improvement of post-thaw sperm kinematics and DNA integrity of cross bred bovine spermatozoa by incorporating DGC as selection method prior to cryopreservation'. 9 November 2017. Journal of Agricultural Science (ISSN Print: 1916-9752, ISSN Online: 1916-9760). Canadian Center of Science and Education, Canada.
10. Article Reviewer 'Relationship between performances in English Proficiency Course (ELC550) with students ability in answering higher order thinking skills (HOTS) questions in Molecular Biology final examination'. Conference on Science and Social Research 2017. 6 November 2017. Article will be published in selected Scopus or MyCite indexed journal.
11. Article Reviewer 'Effectiveness plant of *Curcuma longa* and *Cymbopogon citratus* leaves extract as botanical pesticides for controlling Golden Apple Snail, *Pomacea canaliculata*'. Regional Conference on Science, Technology and Social Sciences 2016. Chapter in book published by Springer.
12. Article Reviewer 'Low-dose methamphetamine addiction induced opioid receptor sensitization in polydrug-dependent mice'. Regional Conference on Science, Technology and Social Science 2016. Chapter in book published by Springer.
13. Article Reviewer 'Preliminary study on green and dark brown local buffalo leech (*Hirudinea manillensis*) as an anti-coagulant agent on fresh rabbit blood'. Regional Conference on Science, Technology and Social Science 2016. Chapter in book published by Springer.

AWARDS AND RECOGNITIONS

1. Skor Cemerlang Pemantauan Profesionalisme Pensyarah (PROPENS, Kursus BIO566 Sesi Mac-Julai 2017, Skor purata 92/100)
2. Silver Award in the Invention, Innovation and Design Exposition 2016 (iidex 2016)
3. Excellent Service Award from Universiti Teknologi MARA (2015)
4. Silver Award in the Invention, Innovation and Design Competition 2013 (IID Johor 2013)
5. SLAI Scholarship from Ministry of Higher Education, Malaysia (2008-2012)
6. Zamalah Scholarship from UKM-Ministry of Science and Technology, Malaysia (2000-2003)

CONFERENCES AND TRAINING

1. Interactive Demo on Leica Biosystems: Total Histological Instruments. May 3, 2018. Fakulti Sains Gunaan, Universiti Teknologi MARA Shah Alam, Malaysia.
2. 4th National Symposium on Ethics in Clinical and Social Research. August 17, 2017. Dewan Seri Budiman, Universiti Teknologi MARA Shah Alam, Malaysia.
3. Biohazard and Clinical Waste Management. May 24, 2017. Faculty of Pharmacy, Universiti Teknologi MARA Puncak Alam, Malaysia.
4. International Symposium of Malaysian and Turkish Native Plant Species Applications. February 10, 2017. Faculty of Applied Sciences, Universiti Teknologi MARA Shah Alam, Malaysia.
5. Invention, Innovation and Design Exposition (iidex2016). September 20-23, 2016. Dewan Agung Tuanku Canceledor, Universiti Teknologi MARA Shah Alam, Malaysia.

6. Bengkel Mikroskop Berpendaflur dan Histologi. April 23-24, 2015. Faculty of Applied Sciences, Universiti Teknologi MARA Shah Alam, Malaysia.
7. Seminar in Innovative Instruments and Advance Solution for the Laboratories. March 4, 2015. Faculty of Applied Sciences, Universiti Teknologi MARA Shah Alam, Malaysia.
8. International Conference on Applied Sciences and Industrial Technology (ICASIT 2015). February 25-26, 2015. Grand Lexis Port Dickson, Malaysia.
9. 21st Malaysian Society for Molecular Biology and Biotechnology Annual Scientific Meeting. October 1-3, 2014. Monash University Malaysia, Malaysia.
10. International Conference on Sustainable Development of Tropical Coastal Zones (PD2000). September 5-6, 2013. Grand Lexis Port Dickson, Malaysia.
11. Invention, Innovation and Design Competition (IID Johor 2013). September 19, 2013. Universiti Teknologi MARA Cawangan Johor, Malaysia.
12. Professional Seminar on Masterclass Embryology: Current Issues in Addressing Fertility Epidemic. September 18, 2012. Faculty of Applied Sciences, Universiti Teknologi MARA Shah Alam, Malaysia.
13. Kursus Audit Dalam. December 11-15, 2007. Faculty of Applied Sciences, Universiti Teknologi MARA Shah Alam, Malaysia.
14. Kursus Kenegaraan Sistem Saraan Malaysia PTK1. July 5-9, 2007. Biro Tatanegara, Jabatan Perdana Menteri, Malaysia.
15. Conference on Scientific and Social Research (CSSR 2006 & 2007). July 3-5, 2007. Sunway Lagoon Resort Hotel, Petaling Jaya, Malaysia.
16. Kursus Kaedah Penyelidikan PhD. Februari 25 – March 2, 2007. Institute of Leadership and Quality Management, Universiti Teknologi MARA Shah Alam, Malaysia.
17. 22nd Annual Seminar of the Malaysian Natural Products Society (MNPS). November 8-10, 2006. Cititel Hotel, Midvalley City, Kuala Lumpur, Malaysia.
18. 5th International Asian Network of Research on Antidiabetic Plants (ANRAP) Seminar. November 8-10, 2006. Cititel Hotel, Midvalley City, Kuala Lumpur, Malaysia.
19. The International Congress of Medicine. August 11-13, 2006. Putrajaya International Convention Centre, Putrajaya, Malaysia.
20. Science and Technology Exhibition. July 15-16, 2006. Dewan Seri Budiman, Universiti Teknologi MARA Shah Alam, Malaysia.
21. Persidangan Biologi Kebangsaan 2006. June 26-28, 2006. Hotel Legend, Kuala Lumpur, Malaysia.
22. Workshop on Total Energy Management for the UiTM System. May 26-28, 2005. INTEKMA Resort, Shah Alam, Selangor, Malaysia.
23. Bengkel Pengendalian Aplikasi e-Learning. May 28, 2005. Institute of Leadership and Quality Management, Universiti Teknologi MARA Shah Alam, Malaysia.
24. Kursus Induksi Modul Umum. May 12-28, 2005. Pusat Latihan UiTM, Kg Gajah, Perak, Malaysia.
25. Bengkel Pengenalan MS Excel 2002. October 29, 2004. Faculty of Applied Sciences, Universiti Teknologi MARA Shah Alam, Malaysia.