



CURRICULUM VITAE

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|-------------------------------------|---|--|
| 1. Name | : MOHAMAD TAUFIK HIDAYAT BIN BAHARULDIN | |
| 2. Department/ Unit | : DEPARTMENT OF HUMAN ANATOMY/ UNIT OF PHYSIOLOGY | |
| 3. Faculty | : FACULTY OF MEDICINE AND HEALTH SCIENCES, UNIVERSITI PUTRA MALAYSIA, 43400, UPM SERDANG, SELANGOR, MALAYSIA | |
| 4. Field of Specialisation | : NEUROENDOCRINOLOGY AND STRESS PHYSIOLOGY | |
| 5. Staff No | : A2696 | 6. IC No: 740503-08-6285 |
| 7. Date of Birth | : 3 RD MAY 1974 | 8. Phone: 603-89472356 Mobile No: 6013-6693757 |
| 9. Date of Appointment as Lecturer | : 9 th SEPTEMBER 2003 | 10. Date of Confirmation: 9 th SEPTEMBER 2004 |
| 11. Date of appointment to new post | : - | |
| 12. Date of the last PTK | : MAY 2006 | |
| 13. Gred | : DS 45 | |
| 14. Salary | : | 15. Date of salary increment: JULY |

16. EDUCATION AND ACADEMIC QUALIFICATION

| University/College and date | Qualification | Grades obtained |
|--|----------------------|--|
| (1999- 2003) Department of Physiology, Faculty of Medicine, Universiti Kebangsaan Malaysia. | PhD | Physiology (with course work in Physiology including Exercise Physiology, Stress Physiology) |
| (1994/95- 1997/98) Department of Biomedical Sciences, Faculty of Allied Health Sciences, Universiti Kebangsaan Malaysia. | B. Biomed Sc. (Hons) | Pharmacology & Toxicology (Second Class) |
| (1992/93-1993/94) Pusat Matrikulasi UKM | Matriculation | Pass |
| (1990-1991) Sekolah Sultan Mohamad JIwa, Sg. Petani, Kedah | SPM | Grade 1: 16 Aggregates |

(1987-1989) Sekolah Menengah Dato' Haji Hussein, Selama, Perak SRP

Grade A:
6 Aggregates

17. RESEARCH STUDENT SUPERVISION

- Supervisor and co-supervisor to Masters students and research assistants
- Supervisor to final year project students –Biomedical undergraduates-2002/2003,2003/2004, 2004/2005 and 2005/2006

Supervision of Post Graduate Students

| Level of study | Name | Year | Research title |
|----------------|------------------------------|--|---|
| MSc | | | |
| 1 | ^Suif bin Sainan | Completed | Evaluation of antinociceptive and anti-inflammatory properties of <i>Acanthopanax trifoliatum</i> in mice and rats |
| 2 | ^Adilius Manual | Submitted/ Completed | The antinociceptive and anti-inflammatory effect of <i>Strobilanthes</i> spp in mice and rats |
| 3 | ^Faizul Helmi Addnan | Submitted/ Completed | Effect of polyphenols extract prepared from Malaysian cocoa powder on hypercholesterolemic model of animal |
| 4 | ^Enoch Kumar Perimal | Submitted/ Completed | The hypoglycaemic effect of <i>Oxalis barrelieri</i> and its effect on wound healing |
| 5 | *Farah Idayu binti Nasir | Semester 1 | Possible antidepressant properties of Mitragynine, an alkaloid from <i>Mitragyna speciosa</i> Korth, in experimental models of depression |
| 6 | *Nurul Raudah | Semester 1 | |
| 7 | *Evhy Apriyani | Semester 1 | |
| PhD | | | |
| 6 | ^Dr Che Norma binti Mat Taib | Hospital Universiti Sains Malaysia Kubang Kerian, Kelantan | Evaluation of c-FOS expression, dream gene & ultrastructural changes in the brain & spinal cord after thermal stimuli |

*Chairperson of Supervisory Committee

^Member of Supervisory Committee

Supervision of Research Assistant

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|----|-------------|------------|---|
| 1. | Siti Raudah | June 2007- | A study on cannabinoid receptor activation: a potential combination analgesic therapy |
|----|-------------|------------|---|

Supervision of undergraduate students

| | Nama pelajar | Sesi | Research title/Thesis Produced | Status project/thesis |
|-----|-----------------------------------|---------|---|---|
| 1. | MIMI AZIRA BINTI ABDUL AZIZ | 2006/07 | PREVALENCE OF RISK OF SLEEP APNEA AMONG UPM STAFF IN FACULTY OF MEDICINE AND HEALTH SCIENCES | -Completed |
| 2. | SOO POEY LING | | | |
| 3. | NG KHIN SZEN | | | |
| 4. | NOOR ELIANA BINTI ROZANI | | | |
| 5. | Hidatul Adawiyah binti Abd Rahman | 2006/07 | Therapeutic role for <i>Theobroma cacao</i> in depressive disorders on mice | -Completed |
| 6. | SABARIAH NOR BINTI ABD WAHAB | 2006/07 | THERAPEUTIC ROLE OF <i>Mitragyna speciosa</i> KORTHAL IN DEPRESSIVE DISORDERS MODEL IN RAT | -Completed |
| 7. | Norashikin bt Mokhtar | 2005/06 | Leg Amputation: The Animated Guidelines | -Completed |
| 8. | Noraida bt A. Ghani | 2005/06 | Leg Amputation: The Animated Guidelines | -Completed |
| 9. | Siek Ing Ing | 2004/05 | The Effect of <i>Tinospora Crispa</i> Aqueous Extract on Stress- Induced Hypotensive Rats | -Completed |
| 10. | Nurul Khalbi bt Ali | 2004/05 | Effect of <i>Ficus deltoidea</i> on cholesterol level and its antioxidant peoperties on lipid peroxidation in cholesterol-fed rats | -Completed |
| 11. | Mohd Faizal Ahmad | 2004/05 | A study of type 2 Diabetes mellitus patients with complications during their first attendance at diabetes resource centre, Hospital Putrajaya, June 2003- June 2004 | -Completed |
| 12. | Mohd Shahril Jaapar | | | |
| 13. | Nor Nazihah bt Mohd Hassan | | | |
| 14. | Farhana bt Mohd Mohaidin | | | |
| 15. | Teo Hui PIng | 2004/05 | EFFECT OF <i>Tinospora crispa</i> AQUEOUS EXTRACT ON LIVER ENZYME IN RATS FED WITH CHOLESTEROL DIET | - Completed |
| 16. | Norlilawati bt M Yusof | 2004/05 | The Effect of <i>Theobroma cacao</i> Extract on repetitive stress rats | -Completed |
| 17. | Enoch Kumar Perimal | 2003/04 | The hypoglycemic properties of <i>Oxalis barrelieri</i> (belimbing tanah) and its effect on wound healing | - Completed – Top 5 Best Student Project BSc (Biomedical Sciences) 2003/2004 |
| 18. | Hemabarathy Bharatham | 2003/04 | Effect of Ascorbic Acid on Cholesterol Level and Its Antioxidant Properties on Lipid Peroxidation in Cholestrol Fed Rats | - Completed |
| 19. | Uma Nanthini Linggi Gaundar | 2003/04 | Effects of <i>Camellia Sinensis</i> (Green Tea) on Cholesterol and Fibrinogen level in Cholestrol Fed Rats | - Completed |
| 20. | Lavanya Selvaratnam | 2003/04 | Effect of Vitamin E Supplement on Oxidative Stress in Cholestrol-Fed Rats | - Completed |
| 21. | Thenmalar Vadiveloo | 2003/04 | Effects of <i>Azadirachta indica</i> (neem) on cholesterol and c-reactive protein level in cholesterol-fed rats | - Completed |

7.0 RESEARCH CONDUCTED

- Writing of grant application and doing research activity and collaborative work
- Managing research, research assistant, progress report and milestone
- Writing research reports, progress milestone and financial reports

Recent Project

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|---|--|---------|
| #Investigation on the expression of opioid and cannabinoid receptor proteins following combination treatment of mitragynine and morphine | Ministry of Higher Education | 103,000 |
| *A study on Cannabinoid Receptor Activation: A potential combination of analgesic therapy | Malaysia Toray Science Foundation (MTSF) | 25,000 |
| *Possible antidepressant properties of mitragynine, an alkaloid from <i>Mitragyna speciosa</i> Korth, in experimental model of depression | Ministry of Higher Education | 30,000 |
| *The effect of <i>Channa striatus</i> on acute and chronic stress rats | RUGS | 90,000 |

Project completed

| Title of research | Source of fund | Amount (RM) |
|---|----------------|-------------|
| * A Comparative Study of Mitragynine Extraction, It's Affinity & Physiological Effect on Opiod Receptor | IRPA (MOSTE) | PhD project |
| *A therapeutic role for <i>Mitragyna speciosa</i> Korthal in animal model of depressive disorders | UPM | 10,000 |

*Principal Investigator (PI)
#Co Researcher

Completed undergraduate projects

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|---|--|-------|
| *1. Effects of <i>Azadirachta indica</i> (neem) on cholesterol and c-reactive protein level in cholesterol-fed rats | Faculty of Medicine and Health Sciences/ 2004 | 1,500 |
| *2. Effect of Vitamin E Supplement on Oxidative Stress in Cholesterol-Fed Rats | Faculty of Medicine and Health Sciences/ 2004 | 1,500 |
| *3. Effects of <i>Camellia Sinensis</i> (Green Tea) on Cholesterol and Fibrinogen level in Cholesterol Fed Rats | Faculty of Medicine and Health Sciences/ 2004 | 1,500 |
| *4. Effect of Ascorbic Acid on Cholesterol Level and Its Antioxidant Properties on Lipid Peroxidation in Cholesterol Fed Rats | Faculty of Medicine and Health Sciences/ 2004 | 1,500 |
| *5. The hypoglycemic properties of <i>Oxalis barrelieri</i> (belimbing tanah) and its effect on wound healing | Faculty of Medicine and Health Sciences/ 2004 | 1,500 |
| *6. The Effect of <i>Theobroma cacao</i> Extract on repetitive stress rats | Faculty of Medicine and Health Sciences/ 2005 | 1,500 |
| *7. EFFECT OF <i>Tinospora crispa</i> AQUEOUS EXTRACT ON LIVER ENZYME IN RATS FED WITH CHOLESTEROL DIET | Faculty of Medicine and Health Sciences/ 2005 | 1,500 |
| *8. A study of type 2 Diabetes mellitus patients with complications during their first attendance at diabetes resource centre, Hospital Putrajaya, June 2003- June 2004 | Faculty of Medicine and Health Sciences/ 2005 | 1,500 |
| *9. Effect of <i>Ficus deltoidea</i> on cholesterol level and its antioxidant peoperties on lipid peroxidation in cholesterol-fed rats | Faculty of Medicine and Health Sciences/ 2005 | 1,500 |
| *10. The Effect of <i>Tinospora Crispa</i> Aqueous Extract on Stress- Induced Hypotensive Rats | Faculty of Medicine and Health Sciences/ 2005 | 1,500 |
| #11. Leg Amputation: The Animated Guidelines | Faculty of Computer Science & Multimedia/ 2006 | - |
| *12. THERAPEUTIC ROLE OF <i>Mitragyna speciosa</i> KORTHAL IN DEPRESSIVE DISORDERS MODEL IN RAT | Faculty of Medicine and Health Sciences/ 2007 | 1,500 |

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| *13. Therapeutic role for <i>Theobroma cacao</i> in depressive disorders on mice | Faculty of Medicine and Health Sciences/ 2007 | 1,500 |
| #14. PREVALENCE OF RISK OF SLEEP APNEA AMONG UPM STAFF IN FACULTY OF MEDICINE AND HEALTH SCIENCES | Faculty of Medicine and Health Sciences/ 2007 | - |

* Principal Investigator (PI)

Co-investigatot

19. CONSULTATION ACTIVITY

1. Felda United Footbal Club (FUFC)

20. SCIENTIFIC PUBLICATIONS

a. Publication in Journals

2007

1. Fakurazi S, Hairuszah I, Jabit L, Mohanambal M, Uma NLG, Zulkhairi A, **Taufik Hidayat** B, Tahirah G (2007) An in vivo study: The reduction of fatty liver formation following zerumbone pretreatment. J of Ethnopharmacology. Under reviewed
2. Fakurazi S, Mohanambal M, Hairuszah I, Uma NLG, Rosmawati MS, **Taufik Hidayat** B (2007). Comparison of the hepatic effect following diclofenac and ibuprofen. J Pharmacy and Pharmacology. Under reviewed
3. **Taufik Hidayat** M., Hidatul A.A.R, Abd. Manan M.J, Amin I., Abbey M, Aziz D, Sabariah N.A.W, Zulkhairi A., Hasnah B., Sarina A. and Sharida F (2007). THERAPEUTIC ROLE OF *THEOBROMA CACAO* IN DEPRESSIVE DISORDERS MODEL ON MICE. The Malaysian Journal of Medical Sciences, Vol 14(S1): 106.
4. Hasnah B., Zulkhairi A., Fauziah O, Maznah I, **Taufik** HM, Zamree MS & Shahidan MA. Anti-atherogenic and antioxidant potency of *Tinospora crispa* in rabbits fed with high fat diet (2007). The Malaysian Journal of Medical Sciences, Vol 14(S1): 101.
5. Che Norma MT, Zalina I, & **Taufik Hidayat** M (2007). Mapping patterns of Fos expression in the spinal cord after acute heat shock. The Malaysian Journal of Medical Sciences, Vol 14(S1): 142.
6. Amom ZH, Noor HM, Ling L, **Hidayat** MT, & Bahari H. (2007). Effects of *Anacardium occidentale* Linn. Leaves extract in diabetic rats. The Malaysian Journal of Medical Sciences, Vol 14(S1): 153.

2006

7. Zuraini A, Vadiveloo T, **Taufik Hidayat** M, Arifah A K, Sulaiman M R and. Somchit M. N. Effects of *Neem* (*Azadirachta indica*) leaf extracts on lipid and C-reactive protein concentrations in cholesterol-fed rats. *J Natural Remedies* 2006. Vol.6/2: 109-114.
8. Fakurazi S, Hairuszah I, Zulkhairi A, **Taufik Hidayat** B, Mohanambal M (2006) Low Doses of Diclofenac induces Hepatocellular Changes in Rats, Treated in vivo, *Acta Pharmacologica Sinica*, Suppl 1, 357
9. Zulkhairi A, Zaiton Z, Jamaludin M, Sharida F, **Taufik Hidayat** B, Hasnah B, Nazmi M, Khairul O, Zanariyah A (2006) Alpha Lipoic Acid possess dual antioxidant and lipid lowering properties in atherosclerotic induced New Zealand White rabbit, *J Biomedicine and Pharmacotherapy*, accepted, in press

b. Publication in Proceedings

i) International Proceedings

2007

1. F Sharida, I Hairuszah, Mohd Lip J, M Mohanambal, NGL Uma, MHB **Taufik**, A Zulkhairi, G Tahirah, MS Rosmawati (2007) *In vivo* study: Reduction in fatty liver formation following zerumbone pre treatment. Biology, Chemistry, Pharmacology and Clinical Studies of Asian Plants, Surabaya, Indonesia
2. Sharida F, Mohanambal M, Uma NGL, **Taufik** MHB, Zulkhairi A, Hairuszah I (2007) Morphological alterations of mitochondria following diclofenac administration to rats. 19th FAOBMB Seoul Conference, Science and Technology for the integration of life.
3. F Sharida, I Hairuszah, M Mohanambal, NGL Uma, MHB **Taufik**, A Zulkhairi (2007) Compare and contrast the effect of diclofenac and ibuprofen on liver mitochondria. 6th World Congress on the Alternatives and Animal Use in Life Sciences, Tokyo, Japan..
4. Uma NLG, Fakurazi S, Hairuszah I, Mohanambal M, **Taufik** MHB, Zulkhairi A, Sukardi S, Ganabadi S, Bahaman AS (2007) Hepatoprotective action of Moringa oleifera Lam. 55th International Congress and Annual Meeting of the Society for Medicinal Plant Research. Graz, Austria.
5. Sharida F, Hairuszah I, Mohd Lip J, Mohanambal M, Uma NGL, **Taufik** MHB, Zulkhairi A, Tahirah G, Rosmawati MS (2007) Hepatoprotection Of Zerumbone Against Ethanol Induced liver Injury; proceedings For Malaysia, Indonesia And Brunei Darussalam Medical Science Conference 2007.
6. Tinospora crispa as a potential hypocholesterolemic agent in rabbits fed with high fat diet. Hasnah B., Zulkhairi A., Fauziah O., Maznah I., **Taufik Hidayat M.**, Zamree M.S. and Shahidan M.A. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 76.
7. Effects of Malaysian germinated brown rice on atherosclerosis in cholesterol-fed rabbit. Khairul Kamilah A.K., Zulkhairi A., Azrina A., Norhaizan M.E., Maznah I., Hasnah B., **Taufik Hidayat M.**, Moklas M.A.M., Khairunnuur F.A., Fazali F. and Farah I.N. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 94.
8. Dissociative effect of a selective kappa-opioid receptor agonist U-50,488H on withdrawal syndrome in the morphine-induced dependence. Evhy A., Junaidi K., **Taufik Hidayat M.**, Zulkhairi A. and Hasnah B. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 190.
9. Nutritional composition and in vitro antioxidant activity of seed and pulp of Tamarindus indica L. extract. Khairunnuur F.A., Zulkhairi A., Hasnah B., Khairul Kamilah A.K., **Taufik Hidayat M.**, Moklas M.A.M., Fazali F. and Farah I.N. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 197.
10. The effect of Tinospora crispa aqueous extract intake on repetitive stress rats., Farah Idayu N., **Taufik Hidayat M.**, Siek Ing Ing, Zulkhairi A., Hasnah B., Sharida F., Che Norma M.T., Moklas M.A.M. and Khairul Kamilah A.K. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 198.
11. Therapeutic role of Theobroma cacao and Mitragyna speciosa in depressive disorders model on mice. **Taufik Hidayat M.**, Farah Idayu N., Hidatul A.A.R., Sabariah N.A.W., Abd Manan M.J, Amin I., Abbey M., Zulkhairi A., Hasnah B., Sharida F., Jabit M.L. and Khairul Kamilah A.K. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 201.
12. The effects of Citrus mitis aqueous extract on rats fed with high cholesterol diet. Zulkhairi A., Izar W.R.W., Hasnah B., **Taufik Hidayat M.**, Moklas M.A.M., Evhy A., Khairul Kamilah A.K., Farah I.N., Khairunnuur F.A., and Fazali F. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 208.

13. Evaluation of the antioxidant activities and cytotoxic of *Anacardium occidentale* Linn. (leaf aqueous extract) and its potential effects in diabetic rats. Fazali F., Zulkhairi A., Hasnah B., Khairul Kamilah A.K., **Taufik Hidayat M.**, Moklas M.A.M., Khairunnuur F.A., and Farah I.N. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 229.
14. Effect of delta-9-tetrahydrocannabinol on conditioned place preference and brain regional monoamine levels in the rats. Moklas MAM, Zulkhairi A, **Taufik Hidayat M**, Khairunnuur FA, Hasnah B, Khairul-Kamilah AK, Fazali F, Farah IN. 3rd Global Summit on Medicinal Plants and Aromatic Plants (GOSMAP-3), 21-24 Nov 2007, Chiang Mai, Thailand. pg: 265.

2006

6. **Taufik Hidayat M**, Norlilawati MY, Che Norma M, Amin I, Zulkhairi A, Sharida F. The effect of Theobroma cacao extract on repetitive stress rats. 6th COSTAM/SFFR (ASEAN/ MALAYSIA) International Workshop 2006, Kuching, Malaysia. Pg 110.
7. Hasnah B, Zulkhairi A, Fauziah O, Maznah I, **Taufik HM**, Sharida F, Zamree MS, Shahidan MA, Effects of *Tinospora crispa* on lipid profiles and atheromatous plaque formation in rabbits fed with high fat diet. 6th COSTAM/SFFR (ASEAN/ MALAYSIA) International Workshop 2006, Kuching, Malaysia. Pg 91
8. Zulkhairi A, Nadia Diana MN, Nazmi M, **Hidayat MT**, Abdah MA, Daud AA, Sharida F, Zamree MS, Shahidan MA. The effect of *Tinospora crispa* on lipid profiles and peroxidation index on rabbit induced hypercholesterolemia. 6th COSTAM/SFFR (ASEAN/ MALAYSIA) International Workshop 2006, Kuching, Malaysia. Pg 103
9. Hasnah B, Zulkhairi A, Fauziah O, Maznah I, **Taufik HM**, Nursakinah I, Sharida F, Zamree MS, Shahidan MA, Effects of *Tinospora crispa* on hepatotoxic effects and atherosclerotic plaque formation in rabbits fed with high fat diet. 6th COSTAM/SFFR (ASEAN/ MALAYSIA) International Workshop 2006, Kuching, Malaysia. Pg 110
10. Fakurazi S, Ithnin H, Amom Z, **Baharuldin TH**, Moorthy MM and Win ML. Low doses of diclofenac induces hepatocellular in rat treated in vivo. XVth World Congress of Pharmacology, Beijing, China. 2006.
11. Faizul H A, Amin I, Muskinah M S, Zulkhairi A and **Taufik HM**. Polyphenol-rich extract prepared from Malaysian cocoa powder prevents aortic atherosclerosis in hypercholesterolemic New Zealand white rabbits. 6th COSTAM/SFFR (ASEAN/ MALAYSIA) International Workshop 2006, Kuching Malaysia. pg 137.

2005

12. Enoch Kumar Perimal, Mohd Roslan Sulaiman, Mohd Nazrul Hakim Mohamad, **Taufik Hidayat M**, Daud Israf Ali, Mohd. Zuki Abu Bakar. The hypoglycaemic properties of Oxali barrelieri.. ICMPS 2005. pg 32.

ii) National Proceedings

2007

13. Hasnah B, Zulkhairi A, Fauziah O, Maznah I, **Taufik HM**, Zamree MS & Shahidan MA. 2007. Antiatherogenic and antioxidants potency of *Tinospora crispa* in cholesterol fed rabbits. 9th Symposium of Malaysian Applied Biology. pg. P-110.
14. **M. Taufik Hidayat**, HP Teo, A Zulkhairi, A Abdah, B Hasnah, A Sarina and F Sharida. 2007. Effect of *Tinospora crispa* aqueous extract on liver enzyme in rats fed with cholesterol diet. 9th Symposium of Malaysian Applied Biology. pg. P-109.
15. ZH Amom, HM Noor, L Ling, MT Hidayat & H Bahari. Effect of *Anacardium occidentale* Linn. Leaves on serum glucose level of type 2 diabetic rats. 9th Symposium of Malaysian Applied Biology. pg. P-107.

2006

16. Moorthy M, Fakurazi S, **Taufik Hidayat B**, Zulkhairi A, Fauziah O, Hairuszah I (2006) Morphological Alterations in mitochondria following diclofenac and ibuprofen administrations in rats, Proceedings of 21st Scientific Meeting of the Malaysian Society of Pharmacology and Physiology (MSPP)
17. **Taufik Hidayat B**, Zulkhairi Amom, Sharida Fakurazi, Nurul Khalbi Ali, Hasnah Bahari Effects of Ficus deltoidea on cholesterol level and its antioxidant properties on lipid peroxidation in cholesterol fed rats: Proceedings for Pameran Rekacipta dan Penyelidikan, Fakulti Perubatan dan Sains Kesihatan, UPM, 2006
18. Zulkhairi Amom, Hasnah Bahari, Fauziah Othman, Maznah Ismail, **Taufik Hidayat** Baharuldin, Sharida Fakurazi, Zamree, Shahidan Effects of Tinospora crisa extract on antioxidant status and atherosclerotic plaque formation in rabbits fed with high fat diet. Proceedings for Pameran Rekacipta dan Penyelidikan, Fakulti Perubatan dan Sains Kesihatan, UPM, 2006
19. Hasnah B, Zulkhairi A, **Taufik HM**, Zamree and Shahidan MA. Effects of Tinospora crisa on lipid profiles and atheromatous plaque formation in rabbits fed with high fat diet. 21st Scientific Meeting of the MSPP 2006. pg 36.
20. Zulkhairi A, **Hidayat MT**, Fong WM, Hasnah B, Muna MM, Nazmi MH, Zamree MS, Shahidan MA. The effect of Tinospora crisa extract on the development of experimental atherosclerosis. 21st Scientific Meeting of the MSPP 2006. pg 67.
21. M Adilius, M R Sulaiman, M N Somchit, M Ismail, **M T Hidayat**. Evaluation of antinociceptive activities of Strobilanthes crispus ethanolic extract in mice. 21st Scientific Meeting of the MSPP 2006. pg 77.
22. Enoch Kumar Peimal, Mohd Roslan Sulaiman, Mohd Nazrul Hakim, **Mohamad Taufik Hidayat**, Mohd Zaki Abu Bakar. Hypoglycemic and anti-diabetic effects of aqueous and ethanol extract of Oxalis barrelieri in streptozotocin-induced diabetic rat models. 21st Scientific Meeting of the MSPP 2006. pg 82.

2005

23. Zulkhairi A, Hasnah B., **Taufik Hidayat M** and Ling L.. Antioxidant activities of aqueous extract of Tinospora crisa. Seminar on Medicinal and Aromatic Plants. 13-14th September Cititel Mid Valley, Kuala Lumpur 2005. Organized by FRIM.
24. **Taufik Hidayat M**, Nurul Khalbi A. & Zulkhairi A. Effect of Ficus deltoidea on cholesterol level and its antioxidant properties on lipid peroxidation in cholesterol-fed rats. Seminar on Medicinal and Aromatic Plants. 13-14th September Cititel Mid Valley, Kuala Lumpur 2005. Organized by FRIM

2004

25. Sulaiman M.R., Somchit M.N., Israf D.A. , Moin S., Amom Z. & **Taufik Hidayat M**. Antinociceptive effect of the aqueous extract of *Zingiber zerumbet* in mice. 20th Annual Seminar of the Malaysian Natural Products Society. 29-30th November 2004. Hilton Kuching, Kuching, Sarawak. pg. 79. Organized by UNIMAS
26. Zulkhairi A., Izar W.R.W., Sulaiman M.R. & **Taufik Hidayat M**. Effects of *Citrus Mitis* (limau kasturi) extract on lipid profile and lipid peroxidation index rat fed with high cholesterol diet. 20th Annual Seminar of the Malaysian Natural Products Society. 29-30th November 2004. Hilton Kuching, Kuching, Sarawak. pg. 65-66. Organized by UNIMAS
27. **Taufik Hidayat M.**, Nabishah B.M., Sulaiman M.R., Aminudin A.H.K, Ilham A. & Zulkhairi A. Mitragynine: Alternative to Opioid? 20th Annual Seminar of the Malaysian Natural Products Society. 29-30th November 2004. Hilton Kuching, Kuching, Sarawak. pg. 37-38. Organized by UNIMAS – oral presenter.
28. **Taufik Hidayat M.**, Thenmalar V., Zuraini A., Sulaiman MR . 2004. Effects of Azadirachta indica (Neem) on Cholesterol and C-reactive protein level in cholesterol-fed rats. Seminar Tumbuhan Ubatan dan Beraroma – “Trend dan Perspektif Terkini”. 20-21 Julai 2004. Institut Penyelidikan Perubatan Malaysia (FRIM)

2002

29. **Taufik Hidayat, M.**, Nabishah, B.M., Isa W & Khalid BAK. 2002. Kesan Mitragynine terhadap tekanan darah dan kadar denyutan jantung tikus semasa stres akut. Prosiding Simposium Biologi Kebangsaan Ke-6 18-19 Oktober , UKM Bangi.
30. Sarjit S, **Taufik Hidayat, M.**, Nabishah, B.M., Paden Morat, & Isa W,. 2002. Kesan Mitragyna speciosa Korth terhadap berat badan, tekanan darah dan kontraktiliti ileum. Prosiding Simposium Biologi Kebangsaan Ke-6 18-19 Oktober , UKM Bangi.
31. **Taufik Hidayat, M.**, Nabishah, B.M., Zanariyah, A. & Fadzilah, S. 2002. Determination of mitragynine bound opioid receptor. *27th Annual Conference of Malaysian Soc. Biochem. Mol. Biol.* hlm. 112

2001

32. **Taufik Hidayat, M.**, Nabishah, B.M. & Mohd Ilham Adenan. 2001. Detection of mitragynine in various extracts of Mitragyna speciosa Korth by high performance liquid chromatography. *26th Annual Conference of Malaysian Soc. Biochem. Mol. Biol.* hlm. 26. Oral presenter.

2000

33. **Taufik Hidayat M**, Nabishah M. Paden M, Isa Wasiman M and Khalid BAK. Kesan Mitraginin terhadap tekanan darah dan kadar denyutan jantung tikus semasa stress akut. *Proceed. of 6th National Biology Symposium* Bangi. Oct. 2000.
34. Sarjit S, **Taufik Hidayat M**, Nabishah M. Paden M, Isa Wasiman M and Khalid BAK. Kesan Mitragyna speciosa terhadap tekanan darah dan pengecutan-pengenduran ileum tikus. *Proceed. of 6th National Biology Symposium* Bangi. Oct. 2000.

iii) Teaching Materials Publication

1. Pakej PBL bertajuk 'Cushing's Syndrome' untuk Tahun 2 Program Perubatan 2006/07.
2. Pakej PBL bertajuk 'PBL Remedial Package using Peptic Ulcer case' untuk kursus PTK 3 2006.

iv) Newspaper Publication

1. **Taufik Hidayat M**. Ketum alternatif ubat penenang dan rawatan ketagihan. *Ruangan Sains, Utusan Malaysia* 4 Dis 2004. m/s 7.

21. RECOGNITION FROM INTERNATIONAL, NATIONAL AND UNIVERSITY LEVEL

AWARDS/LETTERS OF APPRECIATION

| Type of Award/letter | Year | Awarded by |
|---|------|---------------------------|
| EXCELLENCE SERVICE AWARD | | |
| Anugerah Perkhidmatan Cemerlang | 2006 | Universiti Putra Malaysia |
| AWARD IN RESEARCH AND INNOVATION EXHIBITION | | |
| 1. <u>Bronze Medal</u> – Pameran Reka Cipta, Penyelidikan & Inovasi UPM 2006. Effects of <i>Tinospora crisa</i> extract on antioxidant status and atherosclerotic plaque formation in rabbits fed with high fat diet. Zulkhairi Amom, Hasnah Bahari, Fauziah Othman, Maznah Ismail, Taufik Hidayat M , Sharida Fakurazi, Zamree Md Shah and Mohd Shahidan Mohd Arshad. | 2006 | Universiti Putra Malaysia |
| 2. <u>Bronze Medal</u> - Pameran Reka Cipta, Penyelidikan & Inovasi UPM 2006. Effects of <i>Ficus deltiodea</i> on cholesterol level and its antioxidant properties on lipid peroxidation in cholesterol fed rats. Taufik Hidayat M , Zulkhairi Amom, Sharida Fakurazi, Nurul Khalbi Ali and Hasnah Bahari. | 2006 | Universiti Putra Malaysia |
| 3. <u>Silver Medal</u> – Pameran Reka Cipta, Penyelidikan & Inovasi UPM 2006. Effects of <i>Tinospora crisa</i> extract on lipid peroxidation and atherosclerotic plaque formation in chicked fed with polyunsaturated fat diet. Zulkhairi Amom, Loh Lee Lin, Tan Ting Ting, Hasnah Bahari, Taufik Hidayat M , Zamree Md Shah and Mohd Shahidan Mohd Arshad. | 2006 | Universiti Putra Malaysia |
| 4. <u>Bronze Medal</u> - Pameran Reka Cipta, Penyelidikan & Inovasi UPM 2005. An in vitro study on the effects of <i>Nigella sativa</i> in Alzheimer's diseases Induced cell line. Latiffah AL, Maznah I, Nasaruddin A A, Taufik Hidayat M , Sulaiman MR, Parichehr H and Norsharina Ismail. | 2005 | Universiti Putra Malaysia |
| 5. <u>Silver Medal</u> – Pameran Reka Cipta, Penyelidikan & Inovasi UPM 2005. Effects of Citru mitis (limau kasturi) extract on lipid profile and lipid peroxidation index in rats fed with high fat diet. Zulkhairi A, Wan Izzar Haizan WR, Taufik Hidayat M , Sulaiman MR and Hasnah Bahari | 2005 | Universiti Putra Malaysia |
| 6. <u>Gold Medal</u> – Pameran Reka Cipta, Penyelidikan & Inovasi UPM 2005. Polyphenol rich extracts of Malaysian cocoa products. Amin I, Ruzaidi Azli, Azizah Othman. Faizul Helmi, Nawalyah Abd Ghani, Asmah Rahmat, Mujahir Hamid, Zulkhairi Amom, Taufik Hidayat M and Mohd Ilham Adenan | 2005 | Universiti Putra Malaysia |

7. Gold Medal – 16th International Innovation, Invention, Industrial Design and Technology Exhibition 2005 Kuala Lumpur. Polyphenol rich extracts of Malaysian cocoa products. Amin I, Ruzaidi Azli, Azizah Othman. Faizul Helmi, Nawalyah Abd Ghani, Asmah Rahmat, Mujahir Hamid, Zulkhairi Amom, **Taufik Hidayat M** and Mohd Ilham Adenan.

2005

Universiti Putra Malaysia

ACKNOWLEDGEMENT LETTER

1. Penghargaan di atas penglibatan sebagai Panel Viva, Projek Ilmiah Tahun Akhir, 2004/2005
2. Penghargaan di atas penglibatan sebagai Panel Viva, Projek Ilmiah Tahun Akhir, 2003/2004
3. Penghargaan sebagai fasilitator program Kem Penghayatan Islam 2005

2005

Jabatan Sains Bioperubatan

2004

Fakulti Perubatan dan Sains Kesihatan, UPM

2005

Fakulti Perubatan dan Sains Kesihatan, UPM

MALAYSIA TORAY SCIENCE FOUNDATION (MTSF)

4. Malaysia Toray Science Foundation (MTSF 2006) Science and Technology Research Grant Award

2006

Malaysia Toray Science Foundation (MTSF)

TRAVEL AWARD

-

22. PREVIOUS ACADEMIC AND OTHER RELEVANT APPOINTMENTS

| Appointment | Faculty/Department/Unit/ | Date of service | End of service |
|--|---|-----------------|----------------|
| Acting Head of Department JAM | FPSK/JAM | November 2006 | January 2007 |
| Lecturer (Physiology) | FPSK/JAM/ Physiology | January 2005 | Recent |
| Module Coordinator Alimentary System | FPSK/JAM/ Physiology | 2006 | Recent |
| Package 6 Coordinator Module Coordinator Alimentary System | FPSK/JAM/ Physiology | January 2006 | Recent |
| Lecturer (Physiology) | FPSK/JSB/ Physiology | Sept 2003 | Dec 2004 |
| Head, Unit Physiology | FPSK/JSB/ Physiology | June 2005 | May 2007 |
| Tutor | FPSK/JSB/ Physiology | Mac 1999 | June 2003 |
| RA | Dept Of Physilogy, Fac of Medicine UKM | 1998 | 1999 |

FPSK: Fakulti Perubatan dan Sains Kesihatan; JAM: Jabatan Anatomi Manusia; JSB: Jabatan Sains Bioperubatan

23.APPOINTMENTS AT FACULTY / UNIVERSITY/NATIONAL AND INTERNATIONAL LEVEL

- Seminar and Workshop Secretariat
- Editorial Scientific Committee of journals / proceedings
- Extracurricular Activities
 - o Scientific Societies
 - o Committee Members

| | Lantikan | Peringkat |
|-------------|--|--|
| 2007 | | |
| 1. | Perlantikan sebagai ahli Vetting Committee untuk Program Perubatan, Fakulti Perubatan dan Sains Kesihatan, UPM | Fakulti Perubatan & Sains Kesihatan, UPM |
| 2. | Perlantikan sebagai ahli Preclinical Committee untuk Program Perubatan, Fakulti Perubatan dan Sains Kesihatan, UPM | |
| 3. | Group of Editor- PBL packages for Medical Students | Fakulti Perubatan & Sains Kesihatan, UPM |
| 4. | Facilitator Kem Penghayatan Islam | Fakulti Perubatan & Sains Kesihatan, UPM |
| 5. | Ahli jawatankuasa Buletin Fakulti , 2007/2008 | |
| 2006 | | |
| 1. | Pemangku Ketua Jabatan Anatomi Manusia, Fakulti Perubatan dan Sains Kesihatan, UPM | UPM |
| 2. | Penyelaras Module Alimentary System, 2006/2007 | Fakulti Perubatan & Sains Kesihatan, UPM |
| 3. | Penyelaras Pakej 6, Alimentary System and Nutrition & Metabolism, 2006/2007 | UPM |
| 4. | Penyelaras Module Endocrine System, 2006/2007 , 2005/2006,2004/2005 | |
| 5. | Ketua Unit, Fisiologi, Jabatan Anatomi Manusia, 2005/2006. 2006/2007 | Fakulti Perubatan & Sains Kesihatan, UPM |
| 6. | Pengerusi Ahli Jawatankuasa Suaikenal Peringkat FPSK Sesi 2005/2006 | Fakulti Perubatan & Sains Kesihatan, UPM |
| 7. | Ahli Jawatankuasa Perpustakaan, Fakulti Perubatan dan Sains Kesihatan | Fakulti Perubatan & Sains Kesihatan, UPM |
| 8. | Ahli Juruaudit Dalaman FPSK: 1 tahun | Fakulti Perubatan & Sains Kesihatan, UPM |
| 9. | Ahli jawatankuasa Buletin Fakulti 2006/2007 | Fakulti Perubatan & Sains Kesihatan, UPM |

2005

- | | |
|---|--|
| 1. AJK Majlis, Hari Suaikenal Pelajar Baru Peringkat Fakulti, Sesi 2005/2006 | Fakulti Perubatan & Sains Kesihatan, UPM |
| 2. Ahli Jawatankuasa Lawatan, Fakulti Perubatan dan Sains Kesihatan | Fakulti Perubatan & Sains Kesihatan, UPM |
| 3. Ahli Jawatankuasa Pameran Penyelidikan dan Pembangunan, Fakulti Perubatan dan Sains Kesihatan | Fakulti Perubatan & Sains Kesihatan, UPM |
| 4. Majlis Hari Suai Kenal Pelajar Baru, Peringkat Fakulti Perubatan dan Sains Kesihatan, Sesi 2005/06 | Fakulti Perubatan & Sains Kesihatan, UPM |

2004

- | | |
|--|--|
| 1. Panel Penilai Pembentangan Seminar Siswazah bagi Semester 1 2004/2005 | Fakulti Perubatan & Sains Kesihatan, UPM |
|--|--|

MEMBER OF INTERNATIONAL ORGANISATION

| International Organisation | Status | Year |
|----------------------------|--------|------|
| - | | |

MEMBER OF NATIONAL ORGANISATION

| National Organisation | Status | Year |
|--|--------|------|
| <ul style="list-style-type: none">Malaysia Society of Pharmacology and Physiology (MSPP) | Active | Life |

MEMBER OF INSTITUTION ORGANISATION

| Committee member at university/faculty/department level | | |
|--|--------------------|-------------|
| <ul style="list-style-type: none">Member at the Institute of Bioscience, UPM | Research Associate | 2006-recent |
| <ul style="list-style-type: none">Member of Alumni Silat Cekak Hanafi UKM | Ordinary Member | 1998-recent |
| <ul style="list-style-type: none">Member of Persatuan Seni Silat Cekak Hanafi Malaysia | Ordinary Member | 1993-recent |

RESEARCH PROJECT EXAMINER AND ASSESSOR

Examiner

- Undergraduates Final Year proposal and end-of project report
- Scientific writing of undergraduates
- Masters
- PhD projects
- Assessor of IRPA proposal

Examiner of Undergraduate Students Projects

1. Pemeriksa tesis dan viva pelajar 2006/2007
 - CT Zawiah binti Ab Ghani: Kajian rentas pendedahan bunyi bising dan stres pekerja kilang automotif, Selangor.
2. Pemeriksa tesis dan viva pelajar 2004/2005
 - Pelajar pra-siswazah
 - Program Kesihatan Persekitaran dan Pekerjaan :-
 - Hurhidayah bt Daud – The association between extreme temperature with physiological changes acclimatize rice mill workers in Tanjung Karang Selangor.
3. Undergraduates Final Year Bachelor of Biomedical Science students proposal and end-of project report (2002,2003, 2004, 2005)
4. Being one of the judges during viva for final year Biomedical Science Students end-of project presentation (2003, 2004, 2005)

Examiner of Postgraduate (Masters Students)

1. Internal Examiner of Master students
Reading/Correcting/making suggestions of the student's thesis
 - Letty Ling

- Matrix No: GS13268
- Title: Hypoglycemic and antioxidative effect of *Anacardium occidentale* Linn. in diabetic rats.

Examiner of Postgraduate (PhD Students)

- none

| Workshop / seminar / training / conference attended | | | | |
|---|--|--|--|--|
| Date | Conferences/ seminars/ workshop/ courses | Status of participations | Paper title | Place |
| 2007 | | | | |
| 24 Jan 2007 | Research University Workshop | Participant | - | Faculty of Medicine and Health Sciences, UPM |
| 30 Jan 2007 | Bengkel Penyelarasan Kurikulum Fasa 1 | Participant | - | Faculty of Medicine and Health Sciences, UPM |
| 12-16 Feb 2007 | Research Design and Methodology Workshop | Participant | - | Faculty of Medicine and Health Sciences, UPM |
| 21 Mac 2007 | Training of Trainers "Kem Penghayatan Islam" | Participant | - | Universiti Putra Malaysia |
| 26-27 Mac 2007 | Bengkel GP Penyediaan Kertas Soalan Program Doktor Perubatan Fasa 1 | Participant | - | UNITEN |
| 30-1 April 2007 | Kem Penghayatan Islam | Facilitator | - | Kuala Kubu Bharu |
| 9-11 April 2007 | Biology, Chemistry, Pharmacology and Clinical Studies of Asian Plants | Pembentang Kertas Kerja | Therapeutic role of <i>Mitragyna speciosa</i> on depressive disorders model in mice | Surabaya, Indonesia |
| 3 May 2007 | Bengkel Pembentangan dan penambahbaikan Kertas Cadangan semakan semula Kurikulum Program Doktor Perubatan | Penyelaras module dan Pakej | - | Faculty of Medicine and Health Sciences, UPM |
| 2006 | | | | |
| | Pameran Rekacipta dan Penyelidikan (R & D) UPM 2006 | Participant Pencapaian : Bronze Award | 1. Title: Effects of <i>Ficus deltoidea</i> on cholesterol level and its antioxidant properties on lipid peroxidation in cholesterol fed rats | UPM |
| | | Taufik Hidayat Baharuldin, Zulkhairi Amom, Sharida Fakurazi, Nurul Khalbi Ali, Hasnah Bahari | | |
| 18 Jan 2006 | Seminar keselamatan dan kesihatan pekerjaan | Participant | | Fakulti Perubatan dan Sains Kesihatan, UPM |

| | | | | |
|----------------------------|--|----------------------------|---|---|
| 7-8 Feb 2006 | Bengkel Learning Outcome Initiative 1: CADE | Participant | | Fakulti Ekologi, UPM |
| 10-12 March 2006 | Bengkel Penambahbaikan Kurikulum Fasa 1 Program Doktor Perubatan | Participant | | Port Dickson, Negeri Sembilan |
| 14-15 March 2006 | Bengkel Learning Outcome Initiative 2: CADE | Participant | - | Fakulti Ekologi, UPM |
| 22 March 2006 | Hari Bersama Penasihat Akademik | Participant | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 30-31 March 2006 | Internal Audit MS ISO 9001:2000 | Participant | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 19-20 April 2006 | Internal Audit MS ISO 9001:2000 | Participant | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 24-25 April 2006 | 21 st Scientific Meeting of the Malaysian Society of Pharmacology and Physiology (MSPP) | Pembentang kertas kerja | Morphological Alterations in mitochondria following diclofenac and ibuprofen administrations in rats | Kota Bharu Kelantan |
| 3 Ogos 2006 | Majlis Ikrar Pelajar Siswazah, Universiti Putra Malaysia | Participant | - | UPM |
| 7-8 Ogos 2006 | PBL Facilitators Training Workshop; Program Doktor Perubatan | Participant | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 10 Ogos 2006 | Pre-Congress Workshop: Multiple Choice Questions (MCQs) and Assessment of Medical Students | Participant | - | Putrajaya International Convention Centre (PICC) |
| 24 Ogos 2006 | Taklimat Akta Cuti 605 | Participant | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 15 September 2006 | Majlis Penyampaian Hadiah FPSK 2005/2006 | Participant | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 19-20 September 2006 | Internal Audits FPSK | Participant | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 13-14 Dis 2005 | Kursus Juruaudit Dalam ISO | Participant | - | Faculty of Medicine and Health Sciences, UPM |

| | | | | |
|--------------------------|---|--|--|---|
| 19 Feb 2005 | Bengkel Penyediaan Kertas Soalan Peperiksaan Sains Kesihatan | Participant | - | Faculty of Medicine and Health Sciences, UPM |
| 26 Mei 2005 | Bengkel Penambahbaikan Kurikulum Fasa 1 Program Doktor Perubatan | Participant | - | Faculty of Medicine and Health Sciences, UPM |
| 14 Sept 2005 | Hari Bersama Penasihat Akademik | Academic advisor | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 28 Sept 2005 | Roadshow Penulisan Saintifik: Prof Emeritus Dr Mohamed Razeen Jainudeen | Participant | - | Fakulti Perubatan dan Sains Kesihatan, UPM |
| 2004 | | | | |
| 6-7 Oktober | 2 nd Seminar/Workshop on "Use of PowerLab in Teaching and Research" | Participant | - | Med Fac. UM and ADInstruments |
| | Pameran Penyelidikan Dan Pembangunan (R & D) IBS UPM 2004 | Participant | - | Institute Bioscience |
| 20 – 21 Julai 2004 | Seminar Tumbuhan Ubatan dan Beraroma 2004 | i) Poster Liver Histological Analysis Following Hepar P™ Pretreatment Prior to Challenge with Paracetamol Administration | Forest Research Institute Malaysia (FRIM), Kuala Lumpur | |
| 22-26 Mac 2004 | Workshop on Transmission electron Microscope | Participant | - | Universiti Kebangsaan Malaysia (UKM) |
| 31 Julai 2004 | Program Fitness Walk UPM 2004 – anjuran Persatuan Pegawai Akademik UPM (PPAUPM) | Participant | | |
| 22 Julai 2004 | Bengkel " Medical Education Workshop" | Participant | | |
| 16 Ogos 2004 | Kursus QMS 1 (MS ISO 9001: 2000) | Participant | | Palm Garden Hotel, |
| 24-25 Ogos 2004 | Kursus QMS 2 (MS ISO 9001: 2000) | Participant | | Putrajaya |

24. INVOLVEMENT IN STUDENTS ACTIVITIES

PERSONAL ACADEMIC ADVISOR

- Meeting students/mentee at least twice/semester
- Discussion
- Advising students regarding subjects that they are taking each semester
- Academic achievement
- Any problems students might face
- Writing a referral letter on behalf of students to their prospective employers

FACILITATOR

1. Kem Penghayatan Islam 2004, 2005, 2006.

REFEREE TO EX-STUDENTS

- Enoch Kumar Perumal
- Thenmalar Vadiveloo
- Hemabarathy Bharatham

TEACHING EXPERIENCE

- Normal Duties at the time of application- Teaching to Medical# and Biomedical* Undergraduates (UG) students
- Preparation of updated lecture content
- Preparation of test and exam questions
- Preparation of assignment questions and marking of assignments
- Marking test and exams
- Conducting practical teaching for Physiology (SBP 3104)
- Judging and attending seminar presentation for Pharmacology and Toxicology

Academic Referee

1. Prof Madya Dr Zamberi Sekawi
Timbalan Dekan Perubatan
Fakulti Perubatan dan Sains Kesihatan
Universiti Putra Malaysia
43400, UPM SERDANG
Selangor

2. Prof Madya Dr Mohd Roslan Sulaiman
Timbalan Dekan Hal Ehwal Mahasiswa
Fakulti Perubatan dan Sains Kesihatan
Universiti Putra Malaysia
43400, UPM SERDANG
Selangor