

AMGS Cross Mentoring Research Activity 2016-2017

Syllabus

I. Mentor

1. Personal Information

Name	Ms. Halijah Binti Hassan
Mobile Number	+6012-266-0060
School or Institute	Management and Science University (MSU)
E-mail	halijah@msu.edu.my
Major	Natural product, pharmacology and toxicology

2. Education

	Year	Name of University	Major	Degree	Nation
Bachelor's degree	2002	Universiti Putra Malaysia	Biomedicine	Biomedicine	Malaysia
Master's degree	2011	Management & Sc Uni	Biomedicine	Biomedicine	Malaysia
Doctorate	On-going : Natural product				

3. Experiences

Duration	Position	Institute or University
2011 to date	Program Manager, Biomedical Science Program, Department of Health Science, MSU	Management & Science University (MSU)
2006 to date	Lecturer in Pharmacology & Toxicology	MSU
2012-2013	Lecturer in Complementary & Alternative Medicine	MSU
2005-2006	Research Officer	Clinical Research Center, Hospital Kuala Lumpur, Malaysia

2003-2005	Research Assistant	Hospital Universiti Kebangsaan Malaysia
2002-2003	Tutor	Universiti Malaya, Malaysia

4. Honors and Awards

Year	Title	Remarks
2014	MSU Staff Excellent Award: Staff with highest no of involvement in community services activities	
2013	MSU Staff Excellent Award: Best Outreach Project	Program Director
2012	MSU Staff Excellent Award: Best Student Project	Program Director
2011	MSU Staff Excellent Award: Best Program Manager	Biomedical Sc Program
2010	MSU Staff Excellent Award: President Recognition	
2009	MSU Staff Excellent Award: Best International Project	Program Director

5. Professional Societies

- a. Asian Federation of Biotechnology

II. Syllabus

1. Course Title & Criteria

Course Title	Medical Plant: Pharmacology & Toxicology
Criteria	<input type="checkbox"/> Biology & Applied Biology
	<input type="checkbox"/> Chemistry
	<input type="checkbox"/> Energy & Environmental Science
	<input type="checkbox"/> Integrated Science
	<input checked="" type="checkbox"/> Medicinal Science
	<input type="checkbox"/> Nano Science
	<input type="checkbox"/> Physics
	<input checked="" type="checkbox"/> Others

2. Course Objectives & Description

To screen the potential plant as anticancer, analgesic, antipyretic, repellent and etc. as the Asian herbal medicine market experiences an extraordinary growth. The research approaches included activities to develop herbal medicines into quality, efficacious and safe products for human, animal and environment

3. Required Textbook or papers:

- b. Klauck V1, Pazinato R, Stefani LM et al (2014) Insecticidal and repellent effects of tea tree and andiroba oils on flies associated with livestock. *Med Vet Entomol.* 2014 Aug; 28 Suppl 1:33-9.
 - c. Kumar P1, Mishra S, Malik A, Satya S (2012). Insecticidal evaluation of essential oils of *Citrus sinensis* L. (Myrtales: Myrtaceae) against housefly, *Musca domestica* L. (Diptera: Muscidae). *Parasitol Res.* May; 110(5):1929-36.
 - d. Seo EJ, Kuete V, Kadioglu O, Krusche B, Schröder S, Greten HJ, Arend J, Lee IS, Efferth T (2013) . Antiangiogenic activity and pharmacogenomics of medicinal plants from traditional korean medicine. *Evid Based Complement Alternat Med.* 2013;2013:131306.
- Other will be posted later

4. Final Outcome

Mid-term Report	[] Due date:
Final Report	[] Due date:
Research Article for APEC Youth Scientist Journal	[X] Due date: January 27, 2017

5. Schedule

Week	Date	Topics and Activities	Assignments & Other Instructions
Week 1	Oct 21 - 27	Medical Plant: Pharmacology	Ass 1: Three possible research topics (overview of research including problem Statement and objective)
Week 2	Oct 28 - Nov3	Medical Plant: Pharmacology	Online Feed-backing (Topic Selection) Ass 2: Provide a least three major references for the chosen topic (journals, books, and other reliable sources) Deadline: November 3, 2016
Week 3	Nov 4 - 10	How to develop and design research	Ass 3: Project Proposal Writing (Draft) Deadline: November 10, 2016
Week 4	Nov 11 - 17	Online progress presentation (project proposal)	Ass 4: Proposal Review for approval Deadline: November 17, 2016
Week 5	Nov 18 - 24	Laboratory Experiment I	Data collection
Week 6	Nov 25 - Dec 1	Laboratory Experiment II	Data collection
Week 7	Dec 2 – 8	Laboratory Experiment III	Analysis & result
Week 8	Dec 9 – 15	Laboratory Experiment IV	Discussion

Week 9	Dec 16 - 22	Guide mentees to write Research article for APEC Youth Scientist Journal	
Week 10	Dec 23 - 29	Guide mentees to write Research article for APEC Youth Scientist Journal	
Week 11	Dec 30 – Jan 5	Guide mentees to write Research article for APEC Youth Scientist Journal	
January 27		Mentee should submit their research article to AMGS admin. team	