

# CURRICULUM VITAE

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## PARTICULARS

**Full name** : Teh Bee Ping

**Nationality** : Malaysian

**Current Position** : Research Officer Q44,  
Integrative Health Information Unit  
Herbal Medicine Research Centre  
Institute for Medical Research

## CONTACT DETAILS

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## **EDUCATION**

**2016-2017**

**Universiti Sains Malaysia (USM), Penang**

Master of Science (Chemical Instrumentation)

**2006-2009**

**Universiti Sains Malaysia (USM), Penang**

Bachelor of Applied Science (Honours) (Analytical Chemistry)

## **PROFESSIONAL EXPERIENCE**

**August 2009- December 2009**

Engineer – CAD/CAM; GUH Circuit Industry (PG) Sdn. Bhd.

**January 2010-March 2011**

Regulatory Affairs Executive; Milrin Pharmaceutical Co. (M) Sdn. Bhd.

**March 2011-Now:**

Research Officer, Herbal Medicine Research Centre, Institute for Medical Research

**2016-2017: Study leave for MSc in Chemical Instrumentation**

Universiti Sains Malaysia

Courses on various chemical instrumentation involved in atomic spectroscopy, molecular spectroscopy, surface and thermal analysis, separation methods and environmental pollution and monitoring techniques. Among covered topics were basic principles for the various techniques and include hands on operation of the various instrumentation involved. The candidate undertook a short research project and submitted a dissertation based on the project.

## EXPERIENCE

Number of years in research: 6 years (2011-2017)

Number of years in herbal medicine and traditional & complementary medicine: 5 years (excluding a year of study leave for MSc)

Summary: Areas of research

Since a variety of plant species has been reported to have medicinal values, it is necessary to provide scientific evidence for the safety use of medicinal plants using both *in vivo* as well as *in vitro* systems. Also interested in various phytochemical analysis and structure elucidation for the purpose of identification of active compounds in the medicinal plants. The long-term goal of research pathway is to embark on the plant-based drug discovery area.

## LIST OF RESEARCH PROJECTS

1. Title: Acute Oral Toxicity Study of Selected Malaysian Medicinal Herbs on Sprague Dawley Rats  
Year started: 2011  
Year completed: On-going  
Position held: Principal Investigator
2. Title: Absorption, Distribution, Metabolism and Excretion (ADME) Study of *Eurycoma longifolia* Standardised Water Extracts  
Year started: 2013  
Year completed: 2014  
Position held: Co-Investigator
3. Title: Cell Permeability and Bioavailability Evaluation of Citropten and Its Anti-Inflammatory Properties in A Rat Model of Inflammation  
Year started: 2016  
Year completed: On-going  
Position held: Co-Investigator

4. Title: Oral Pharmacokinetic Evaluation of Freeze-Dried *Carica papaya* Leaves Juice Formulation in Rats  
Year started: 2016  
Year completed: On-going  
Position held: Co-Investigator

## **PUBLICATIONS**

### **Journal Article**

1. Terence TYC, Siti HSZ, Teh BP, Siti KBA, Ashikin I, Syazlina K, Nazatul RI, Norazila Z. Homeopathy for the treatment of headache disorders. Global Information Hub on Integrated Medicine 2017, Issue 1. Art. No.: CD003803. DOI: 10.1002/14651858.CD003803. (Published January 2017)
2. Norzahirah A, Dodheri SS, Teh BP, Murizal Z, Nor Azlina Z, Amirrudin M, Emylyn M, Azlina Z, Noor Rain A, Zakiah I, Ami Fazlin SM. Bioavailability of eurycomanone in its pure form and in a standardised *Eurycoma longifolia* water extract. Pharmaceutics. (Published June 2018)

### **Chapters in Book**

1. Asean Task Force on Traditional Medicine. Herbal Medicines Used in Primary Health Care in Asean. Department for Development of Thai Traditional and Alternative Medicine, Thailand; 2014. (Chapter 3: Herbal Medicines for Selected Symptoms and Conditions)
2. Institut Penyelidikan Perubatan & Bahagian Perubatan Tradisional & Komplementari, Malaysia. Penggunaan Tumbuhan Ubatan dalam Penjagaan Kesihatan Primer di ASEAN; 2015. (Penterjemahan bagi buku 'Herbal Medicines Used in Primary Health Care in Asean')

### Articles in Global Information Hub on Integrated Medicine (GlobinMed)

1. Malaysian Herbal Monograph for *Cosmos caudatus*. Malaysian Herbal Monograph Committee, Malaysia; 2013. (Co-author)
2. Malaysian Herbal Monograph for *Melastoma malabathricum*. Malaysian Herbal Monograph Committee, Malaysia; 2013. (Co-author)
3. Malaysian Herbal Monograph for *Polygonum minus*. Malaysian Herbal Monograph Committee, Malaysia; 2013. (Co-author)
4. Malaysian Herbal Monograph for *Tinospora crispa*. Malaysian Herbal Monograph Committee, Malaysia; 2013. (Co-author)
5. Malaysian Herbal Monograph for *Piper sarmentosum*. Malaysian Herbal Monograph Committee, Malaysia; 2013. (Co-author)
6. Malaysian Herbal Monograph for *Gynura procumbens*. Malaysian Herbal Monograph Committee, Malaysia; 2013. (Co-author)

### Technical Reports

1. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute oral toxicity study of selected Malaysian medicinal herbs (*Andrographis paniculata* Whole Plant) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/AP/WP2/K.
2. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute oral toxicity study of selected Malaysian medicinal herbs (*Centella asiatica* Whole Plant) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/CA/WP/P.
3. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute oral toxicity study of selected Malaysian medicinal herbs (*Ficus deltoidea* var. *deltoidea* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/FDD/L/J.
4. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute oral toxicity study of selected Malaysian medicinal herbs (*Labisia pumila* var. *alata* Stem With Roots) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/LPA/SR/C.
5. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute oral toxicity study of selected Malaysian medicinal herbs (*Melastoma*

- malabathricum* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/MM/L/J.
6. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute oral toxicity study of selected Malaysian medicinal herbs (*Melastoma malabathricum* Twigs) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/MM/T/J.
  7. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Orthosiphon stamineus* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/OS/L/P.
  8. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Polygonum minus* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/PM/L/J.
  9. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Polygonum minus* Twigs) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/PM/T/J.
  10. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Piper betle* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/PB/L/J.
  11. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Ficus deltoidea* var. *angustifolia* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/FDA/L/J.
  12. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Garcinia atroviridis* Fruits) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/GA/F/A.
  13. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Cosmos caudatus* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/CC/L/J.

14. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Curcuma xanthorrhiza* Rhizome) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/CX/RH/P.
15. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Elaeis guineensis* Leaves) on Sprague Dawley rats Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/EG/L/J.
16. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral Toxity Study of Selected Malaysian medicinal herbs (*Eurycoma longifolia* Roots) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/EL/R/P.
17. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Gynura procumbens* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/GP/L/J.
18. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Hibiscus sabdariffa* Calyx) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/HS/CLX2/A.
19. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Momordica charantia* Fruits) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/MC/F/K.
20. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Phyllanthus niruri* Whole Plant) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/PN/WP/D.
21. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Tinospora tuberculata* Stems) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/TT/S/P.

22. Teh BP, Hamzah NF, Rosli SNS, Yahaya MAF, Zakiah I, Murizal Z. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Zingiber officinale* Rhizome) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2012. Report no.: HMRC 11-045/01/ZO/RH/K.
23. Teh BP, Hamzah NF, Norazila Z, Wan Abdul Hakim WL, Nor Liyana MY. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Piper sarmentosum* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2015. Report No.: HMRC 11-045/01/PS/L/A.
24. Teh BP, Hamzah NF, Norazila Z, Wan Abdul Hakim WL, Nor Liyana MY. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Ocimum basilicum* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2015. Report No.: HMRC 11-045/01/OB/L/J.
25. Teh BP, Hamzah NF, Norazila Z, Wan Abdul Hakim WL, Nor Liyana MY. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Aquilaria malaccensis* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2014. Report No.: HMRC 11-045/01/AM/L/J.
26. Teh BP, Hamzah NF, Norazila Z, Wan Abdul Hakim WL, Nor Liyana MY. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Clinacanthus nutans* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2014. Report No.: HMRC 11-045/01/CN/L/J.
27. Teh BP, Hamzah NF, Norazila Z, Wan Abdul Hakim WL, Nor Liyana MY. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Moringa oleifera* Leaves) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2014. Report No.: HMRC 11-045/01/MO/L/N.
28. Teh BP, Hamzah NF, Norazila Z, Wan Abdul Hakim WL, Nor Liyana MY. Acute Oral toxicity study of selected Malaysian medicinal herbs (*Momordica charantia* Fruits (Without Seed)) on Sprague Dawley rats. Institute for Medical Research, Ministry of Health; 2014. Report No.: HMRC 11-045/01/MC/F2/A.
29. Teh BP, Norzahirah A, Mohd Ridzuan MAR, Norizah A, Nor Azlina Z, Umi Rubiah SZ, Wan Mohamad Adham WZ, Elda Nurafnie IR, Nurul Fariza R, Izwah H, Qurratul Ain SA, Noorulaffifa O, Muhammad Saiful AMB, Aravithamala S, Amirrudin M, Bazilah J, Nor Liyana MY, Nabilah MR, Wan Abdul Hakim WL, Siau TC, Tiffany Ho CD, Vivian JL, Jumriani AA, Azlina Z, Sia JY, Hussin M, Murizal Z, Mohd Isa W, Siti Khuzaimah M, Syazwani SA,



Ami Fazlin SM, Mohd Fairulnizal MN. Repeated Dose 28-Days Oral Toxicity Study of Nu Femme Capsule Blend In Wistar Rats. Institute for Medical Research, Ministry of Health; 2018. Report No.: HMRC/15-003/02/TAKF.

## **ORAL / POSTER PRESENTATION FOR RESEARCH**

### **Poster**

Acute Oral Toxicity Study of Nine Selected Malaysian Medicinal Herbs on Sprague Dawley Rats; 18th NIH Scientific and Annual National Ethics Seminar; 12-14 August 2015; National.

The effects of palm oil (*Elaeis guineensis*) on serum cholesterol level and human serum lipid profile: a systematic review and meta-analysis; NIH Research Week, 19-20 November 2016; National.

The effects of palm oil (*Elaeis guineensis*) on human serum lipid profile: a systematic review and meta-analysis; International Palm Oil Congress and Exhibition (PIPOC), 14-16 November 2017; International.

Potential Wound Healing Activity of *Euphorbia hirta* (Ara tanah) Plant: Fast Fact. 3rd HKL Research Day, 30 August 2018; National.

### **Oral**

Acute Oral Toxicity Study of Selected Malaysian Medicinal Herbs on Sprague Dawley Rats; 5th Global Summit on Medicinal and Aromatic Plants 2013; 09 December 2013; VSRF and Century Foundation Bangalore; International.

## **ACTIVITIES**

### **Institutional**

#### **2012-Now:**

Ahli Jawatankuasa Penjimatan Tenaga Elektrik, Institute for Medical Research

### **Ministry of Health**

#### **2011-Now:**

In-Life Testing Personnel, Non Clinical Research Facility (Good Laboratory Practice Certified)

#### **2012-Now:**

Content Coordinator; Global Information Hub on Integrated Medicine (*GlobinMed*)

#### **2015-Now:**

Certified personnel under Malaysian Certification Programme for Good Clinical Practice

### **External: National**

#### **2013-Now:**

Member; National Committee Malaysian Herbal Monograph

### **External: International**

#### **2014-Now:**

Member; Scientific Committee of Asean Task Force on Traditional Medicine

## **AWARDS RECEIVED**

1. Award for Work Excellend (Anugerah Perkhidmatan Cemerlang) for Year 2015 from Ministry of Health Malaysia.
2. Hadiah Latihan Persekutuan from the Public Service Department as a scholarship for postgraduate (Masters) study in Chemical Instrumentation.
3. 3rd prize of Presentation Award (Biomedical Category) for poster 'The effects of palm oil (*Elaeis guineensis*) on serum cholesterol level and human serum lipid profile: a systematic review and meta-analysis' during NIH Research Week 2016.
4. 3rd prize of Poster Competition (Research) for poster 'Potential Wound Healing Activity of *Euphorbia hirta* (Ara tanah) Plant: Fast Fact' during 3rd HKL Research Day.