

# CURRICULUM VITAE

TEE TUAN POY

Department of Animal Science  
Faculty of Agriculture, University Putra Malaysia  
43400 UPM Serdang  
Selangor, Malaysia

Tel. +603 89474880 Fax No. +603 89474948  
E-mail: [ttfov@putra.upm.edu.my](mailto:ttfov@putra.upm.edu.my), [ttfov@yahoo.com](mailto:ttfov@yahoo.com)

Current Position: **Senior Lecturer**  
Department of Animal Science,  
Faculty of Agriculture, University Putra Malaysia

Nationality: Malaysian

Gender: Female

## Educational Qualifications

Oct 2002 – Sept 2006: **PhD (Agricultural/Environmental Modelling and Management)**  
Imperial College London, University of London

Oct 1997 – Jan 2000: **Master of Science (Remote Sensing & GIS)**  
Universiti Putra Malaysia

1993 – 1997: **Bachelor of Science (Environment)**  
Universiti Putra Malaysia  
Honours Second Class Upper

## Working Experiences

October 2008 – present: - **Senior Lecturer**  
- Department of Animal Science, Universiti Putra Malaysia  
- Responsibility:

- Lecturing
- Research and extension works

October 2006 – Sept 2008: - **Lecturer**  
- Department of Animal Science, Universiti Putra Malaysia  
- Responsibility:

- Lecturing
- Research and extension works

Aug 2001 – Sept 2006: - **Tutor**  
- Department of Animal Science, Universiti Putra Malaysia  
- Responsibility:

- assist lecturers in lab, field work and administration tasks.
- assist in developing and managing research project entitles: “Mapping Livestock Waste Distribution in Intensive Production Areas for Sustainable Environment”. GIS technique was used for mapping the pig waste distribution at Kg. Selamat, Seberang Perai.
- assist in planning and organizing meeting and conferences.
- process manuscripts for Malaysian Journal of Animal Science.

Jan 2000 – July 2001: - **Research Assistant**  
- Department of Animal Science, Universiti Putra Malaysia.  
- Responsibility:

- assist in developing and managing research project entitles: “Mapping Livestock Waste Distribution in intensive Production Areas for Sustainable Environment”. GIS technique was used for mapping the pig waste distribution at Kg. Selamat, Seberang Perai.
- assist in planning and organizing meeting and conferences.
- process manuscripts for Malaysian Journal of Animal Science.

June – Nov 1999: - **Environmental Analyst**  
- Earth Environmental Dynamic (M) Sdn. Bhd. Damansara Tropicana, Selangor.  
- Responsibility:

- developed an environmental forecast and simulation system using GIS application.
- prepared EMP and EIA proposal, and tender writing.

## Skills

### a) Expertise and Field of Knowledge

- Livestock Waste Management
- Agricultural and Environmental Waste Modelling and Management
- Environmental Modelling System
- Geographical Information System (GIS) application
- Waste Management and Minimization
- ISO14000, Environmental Management System, Clean Technology

### b) Languages

English – Advanced level in speech, reading and composition

Malay – Advanced level in speech, reading and composition

Mandarin –

Modern Mandarin – Advanced level in speech, reading and composition

Classical Chinese – Moderate level in reading and comprehension

Hokkien (Minnanhua, Xiamenhua) – Moderate level in daily speech

Cantanonese – Moderate level in daily speech

Spanish – beginner level

### c) Computer Skill

- Model: FALLOW, WaNuLCas, N-CYCLE, LUCIA
- GIS software
  - ArcGIS, PC ArcView, MapInfo, SPANSGIS, PCRaster: Intermediate
- Image Processing software
  - EASI PACE PCI package: Intermediate
- AutoCAD R14 & AutoCAD Map: Intermediate
- Modelling tools – Stella: Intermediate

## Extra Curricular Activities

### Technical Visiting & Training

1. **International Biogas Training Course**, University of Hohenheim and IBBK, Stuttgart, Germany from *20<sup>th</sup> – 24<sup>th</sup> September 2010*.
2. **Spatial Dynamic Modelling Training Course**, Institute of Plant Production and Agroecology in the Tropics and subtropics (380a), University of Hohenheim, Germany from *26<sup>th</sup> September 2008 to 11<sup>th</sup> October 2008*.
3. **PhD Visiting Student** – Visited and joined in ‘Dynamic Modelling Research Group’ at the Institute of Plant Production and Agroecology in the Tropics and Subtropics (380a), University of Hohenheim, Stuttgart, Germany from *4<sup>th</sup> October 2004 – 31<sup>st</sup> March 2006*.
4. **EuroTier 2004 – International DLG Exhibition for Livestock & Poultry Production and Management**, Hannover – Messegelände from *9<sup>th</sup> to 12<sup>th</sup> November 2004*.
5. **Technical Training Course** on developing an interface between MS-Excel with VB-Macro and GIS PCRaster in the World Agroforestry Centre (ICRAF), Bogor, Indonesia from *26<sup>th</sup> July – 13<sup>th</sup> August 2004*.
6. Participated **Training Workshop** on FALLOW: A Conceptual Model of Landscape Dynamic, *19<sup>th</sup> - 23<sup>rd</sup> July 2004*, the World Agroforestry Center (ICRAF), Southeast Asia Regional Office, Bogor, Indonesia.
7. Visited Toowoomba ‘s City Council, Australia. (*January 2001*)
  - Discussion for Intensive Livestock Waste Management System using GIS technique.
  - Visited University South Queensland.
  - Visited Department of Primary Industries, Toowoomba, Queensland.
  - Visited Environment Protection Agency, Toowoomba, Queensland.

## **Published Work**

### **a. Cited Journals**

1. **Tee, T.P.**, I.J. Lean and G. Cadisch. (2012). An animal production and manure excretion model for farm management practices – pig waste handling in the humid tropics. (manuscript draft)
2. Vincent Ling C.H., **T.P. Tee**, and T..C. Ling. (2012). Convert animal waste into bio-compost: eggshell as the additive in beef cattle manure compost enhancement (Manuscript draft for submission to J. Bioresource Technology).
3. T.P.Tee, and Y.W. Lim. (2012) Effective microbial for co-digestion of vegetable and fruit waste with cattle manure by using an anaerobic bio-digester. (Manuscript submitted to Pertanika Journal)
4. Rohaya Mamat, Shattri Mansor, and **Tee, T.P.** (2001). Spatial information technology for disaster management. *Pertanika Journal of Science & Technology*, Vol 9, No.1, 65-72.

### **b. Non-cited Journal**

1. Afdal, M. and **T. T. Poy**. (2010). An overview of the methane emission from ruminant in jambi province, Indonesia. *Jurnal Peternakan Vol 7 No 1 Februari 2010 (1 – 6)*.
2. Mansor, S.B., Assilzadeh, H., **Tee, T.P.**, Mohamed, M.I. and Marghany, M.M. (1999). Remote sensing and GIS solution to oil spill emergency response. *Journal of the Malaysian Surveyor*, Vol.34, No.4.

### **c. Book(s) - Editors**

1. Omar, D., W.H. Lau, J.M. Panandam, M.H. Musa, M.S. Kamarudin, M.A. Hussein, M.R. Ismail and **T.P. Tee** (editors). (2006). *Agriculture for Life and Wealth Creation. Proceedings of Agriculture Congress 2006, 12<sup>th</sup> – 15<sup>th</sup> December 2006*, Marriott Putra Jaya, Putra Jaya, Malaysia.
2. Ong, H.K., Zulkifli, I., **Tee, T.P.** and Liang, J.B. (editors) (2002) Global Perspective in Livestock Waste Management. *Proceedings of 4<sup>th</sup> International Livestock Waste Management Symposium & Technology Expo, 19 - 23 May 2002*, Rasa Sayang Beach Resort, Batu Ferringgi, Penang.

### **d. Proceeding(s)**

1. **Tee, T.P.**, **J. Majuntin**, **P.T. Ooi**, **J.B. Liang**. (2011). Enhancement animal manure compost value by using effective microbial. *Proceedings of the XV<sup>th</sup> International of Congress on Animal Hygience*. 3 – 7 July 2011, Vienna, Austria. (Extended Abstract)
2. **Tee, T.P.** and A. Renly. (2010). Biophysical modelling approach for beef cattle manure management and nutrients flow evaluation in Malaysian feedlot cattle. *Proceedings of the 14<sup>th</sup> RAMIRAN International Conference*, 12 – 15 September 2010, Lisbon, Portugal. (Extended Abstract)
3. **Tee, T.P.** and A. Renly. (2010). Effective microbial for cattle manure composting in Malaysian cattle feedlot. *Proceedings of the 31<sup>st</sup> Malaysian Society of Animal Production Annual Conference*, 6 – 8 June 2010, Renaissance Hotel, Kota Bharu, Kelantan, Malaysia.

4. Ling, V.C.H., T.C. Ling, P.T. Ooi, **T.P. Tee**. (2009). Enhancement beef cattle manure compost by utilizing eggshells as an additive. *Proceedings of the 2<sup>nd</sup> International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC)*, 8 – 11 November 2009, Corus Hotel, Kuala Lumpur, Malaysia.
5. Lim, Y.W., T.C. Ling, **T.P. Tee**. (2009). Effective microbial for co-digestion of vegetable and fruit waste with cattle manure by using an anaerobic bio-digester. *Proceedings of the 30<sup>th</sup> Malaysian Society of Animal Production Annual Conference*, 2 – 5 June 2009, Kota Kinabalu, Sabah, Malaysia.
6. **Tee, T.P.**, T.H. Hilger, I.J. Lean and G. Cadisch. (2008). A modelling approach for tropical pig manure nitrogen utilisation and evaluation at the landscape scale. *Proceedings of the 3<sup>rd</sup> International Meeting on Environmental Biotechnology and Engineering*, 21 – 25 September 2008, Palma de Mallorca, Spain (extended abstract).
7. Ooi, P.T., Teh, T.N., Sheikh-Omar, A.R., Choo, P.Y., Tan, D.Y., **Tee, T.P.** (2008) Gross and histopathological studies of porcine circovirus disease (PCVD) in pigs in perak and selangor. *The 20th Veterinary Association Malaysia Scientific Congress*, 15-17 August 2008, the Equatorial Hotel, Bangi, Malaysia pp 37.
8. **Tee, T.P.**, H. Yaakub, and E.S. Chew (2008). An animal production and manure excretion model for manure management and waste pollution evaluation in Malaysia. *Proceedings of the 29<sup>th</sup> Malaysian Society of Animal Production Annual Conference*, 25 - 27 May 2008, Bayview Beach Resort, Penang. pp. 168 – 169.
9. **Tee, T.P.**, I.J. Lean, T.H. Hilger and G. Cadisch. (2005). A biophysical-GIS modelling approach for livestock manure management in the humid tropics. *Proceedings of the 14<sup>th</sup> N Workshop*, 23<sup>rd</sup> – 26<sup>th</sup> October, Maastricht, The Netherlands.
10. **Tee, T.P.**, Lean, I.J., Baggs, E.M. and Cadisch, G. (2004). Modelling approaches for manure N pollution from intensive pig production in the humid tropics. *Eleventh Annual Postgraduate Symposium*, 30<sup>th</sup> June 2004, Imperial College London, Wye Campus, UK.
11. **Tee, T.P.**, Lean, I.J., Baggs, E.M. and Cadisch, G. (2003). Development of a modelling system for prediction and regulation of livestock waste pollution in the humid tropics. *12<sup>th</sup> N Workshop*, September 2003, University of Exeter, Devon, UK.
12. **Tee, T.P.**, Lean, I.J., Baggs, E.M. and Cadisch, G. (2003). Development of a modelling system for prediction and regulation of livestock waste pollution in the humid tropics. *Tenth Annual Postgraduate Symposium*, 2<sup>nd</sup> July 2003, Imperial College London, Wye Campus, UK.
13. **Tee, T.P.**, Liang, J.B., Chew, E.S., Loh, T.C., Jelan, Z.A., and Loganathan, P. (2002). Mapping waste distribution in intensive pig production areas using GIS. *Proceedings of 4<sup>th</sup> International Livestock Waste Management Symposium & Technology Expo*, 19 - 23 May 2002, Rasa Sayang Beach Resort, Batu Ferringgi, Penang. pp. 85 – 90.
14. **Tee, T.P.**, Liang, J.B., Jelan, Z.A., Chew, E.S. and Loganathan, P. (2000) Effectiveness of pig wastewater management in Kampung Selamat, Seberang Perai. *Proceedings of 22<sup>nd</sup> Malaysian Society of Animal Production Annual Conference*, 29 May – 1 June 2000, Tg. Aru, Kota Kinabalu, Sabah. Pp. 199 – 200.
15. Mamat, R., Mansor, S.B. and **Tee, T.P.** (1999). Spatial information technologies for disaster management. *Proc. of World Engineering Congress*, 19-22 July, Subang Jaya.
16. Mansor, S.B., Assilzadeh, H., **Tee, T.P.**, Ibrahim, H.M. and Maged, M., 1999, Geomatics system for detecting oil spill, *Seminar on MACRES Coordinated IRPA Projects*, 21 Dec. Kuala Lumpur.
17. **Tee, T.P.** and Mansor, S.B. (1999). Integration of remote sensing and GIS for application to oil spill risk management system in Peninsular Malaysia. *2<sup>nd</sup> Malaysian Remote Sensing and GIS Conference*, 16-18 March 1999, Shah Alam.

18. Mansor, S.B. and **Tee, T.P.** (1998). Remote sensing and GIS in oil spill risk assessment. *19<sup>th</sup> Asian Conference on Remote Sensing, 16-20<sup>th</sup> November 1998, Manila.*
19. **Tee, T.P.** and Mansor, S.B. (1998). Remote sensing and GIS application for oil spill management system in Peninsular Malaysia. *1998 Annual Seminar of Geoinformation Engineering, 7-8<sup>th</sup> September 1998, UTM, Kuala Lumpur.*

**e. Seminar Papers Presented (orally)**

1. **Tee, T.P.** and A. Renly. (2010). Biophysical modelling approach for beef cattle manure management and nutrients flow evaluation in Malaysian feedlot cattle. *Proceedings of the 14<sup>th</sup> RAMIRAN International Conference, 12 – 15 September 2010, Lisbon, Portugal.*
2. **Tee, T.P.**, I.J. Lean, T.H. Hilger and G. Cadisch. (2008). A modelling approach for tropical pig manure nitrogen utilisation and evaluation at the landscape scale. *Proceedings of the 3<sup>rd</sup> International Meeting on Environmental, Biotechnology and Engineering, 21 – 25 September 2008. Palma de Mallorca, Spain.*
3. **Tee, T.P.**, I.J. Lean, E.M. Baggs and G. Cadisch. (2004). An integrated biophysical-GIS model for the evaluation of environmental N pollution from intensive pig production. *Proceedings of the 11<sup>th</sup> AAAP 2004 Congress, 5 – 9<sup>th</sup> September, Hotel Nikko, Kuala Lumpur, Malaysia.*
4. **Tee, T.P.** and Mansor, S.B. (1998). Development of GIS-based oil spills risk management system. *4<sup>th</sup> Annual GIS Asia Pacific Conference, 13-15<sup>th</sup> October, Petaling Jaya.*

**f. Other Presentation (Poster/Product/Exhibition>Showcase)**

1. **Tee, T.P.** and A. Renly. (2011). Biophysical modelling approach for beef cattle manure management and nutrients flow evaluation in Malaysian feedlot cattle. *Conference and Exhibition of BioMalaysia, KLCC, Kuala Lumpur. 21<sup>st</sup> – 23<sup>rd</sup> November 2011. Gold Medal*
2. **Tee, T.P.** and A. Renly. (2011). Biophysical modelling approach for beef cattle manure management and nutrients flow evaluation in Malaysian feedlot cattle. *Exhibition of Invention, Research and Innovation, Research Management Centre (RMC), UPM. 19<sup>th</sup> – 21<sup>st</sup> July 2011. Bronze Medal*
3. Liang, J.B., Chew, E.S., Loh, T.C., Shattri, M., Jelan, Z.A., Loganathan, P. and **Tee, T.P.**, (2002). Mapping waste distribution in intensive production areas for a sustainable environment. *Exhibition of Invention & Research, Research Management Centre (RMC), UPM. 30<sup>th</sup> August 2002. Silver Medal*

**g. Patent/Commercialisation**

1. Tee, T. P. (2011). **Modelling System - Software Copyright © 2011.** Biophysical modelling approach for evaluation of Nutrient flows of livestock manure management in Malaysia.

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