

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: ttpoy@putra.upm.edu.my, ttpoy@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

Cantonese – 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 20th – 24th 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 26th September 2008 to 11th 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 4th October 2004 – 31st March 2006.
4. **EuroTier 2004 – International DLG Exhibition for Livestock & Poultry Production and Management**, Hannover – Messegelände from 9th to 12th 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 26th July – 13th August 2004.
6. Participated **Training Workshop** on FALLOW: A Conceptual Model of Landscape Dynamic, 19th - 23rd 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, 12th – 15th 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 4th International Livestock Waste Management Symposium & Technology Expo, 19 - 23 May 2002*, Rasa Sayang Beach Resort, Batu Feringgi, 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 XVth International of Congress on Animal Hygiene*. 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 14th 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 31st 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 2nd 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 30th 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 3rd 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 29th 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 14th N Workshop*, 23rd – 26th 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*, 30th 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. *12th 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*, 2nd July 2003, Imperial College London, Wye Campus, UK.
13. **Tee, T.P.**, Liang, J.B., Chew, E.S., Loh, T.C., Jelani, Z.A., and Loganathan, P. (2002). Mapping waste distribution in intensive pig production areas using GIS. *Proceedings of 4th International Livestock Waste Management Symposium & Technology Expo*, 19 - 23 May 2002, Rasa Sayang Beach Resort, Batu Feringgi, Penang. pp. 85 – 90.
14. **Tee, T.P.**, Liang, J.B., Jelani, Z.A., Chew, E.S. and Loganathan, P. (2000) Effectiveness of pig wastewater management in Kampung Selamat, Seberang Perai. *Proceedings of 22nd 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. *2nd 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. *19th Asian Conference on Remote Sensing, 16-20th 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, 7-8th 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 14th 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 3rd 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 11th AAAP 2004 Congress, 5 – 9th September*, Hotel Nikko, Kuala Lumpur, Malaysia.
4. **Tee, T.P.** and Mansor, S.B. (1998). Development of GIS-based oil spills risk management system. *4th Annual GIS Asia Pacific Conference, 13-15th 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. 21st – 23rd 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. 19th – 21st July 2011. Bronze Medal*
3. Liang, J.B., Chew, E.S., Loh, T.C., Shattri, M., Jelani, 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. 30th 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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