



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)  
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon  
Nakhon Pathom 73170, Thailand

**Name** Pattanee Winichagoon  
พัทธ์ณี วินิจจะกุล

**Email Address:** pattanee.win@mahidol.ac.th

**Current positions:** Associate Professor

### Educational Qualifications :

1991 Ph.D. (International Nutrition), Cornell University, U.S.A.  
1976 M. S. (Nutrition), University of Hawaii, U.S.A.  
1972 B. Sc. (Food Technology) (second class honor)  
Chulalongkorn University, Thailand

### Publications:

#### International Level:

1. Romieu I, Margetts B, Barquera S, da Silva Gomes F, Gunter M, Hwalla N, Kampman E, Leitzmann M, Potischman N, Slimani N, Vorster E, Willet WC, **Winichagoon P**, Wiseman M. International Cancer Research Funders Nutrition working group. Strengthening the evidence base for nutrition and cancer in low and middle income countries. *Journal of Global Health (in press)*.
2. Pongcharoen T, Judprasong K, Jitngarmkusol S, Kriengsinyos W, **Winichagoon P**. Body mass index is associated with fat mass in normal, overweight/obese, and stunted preschool children in central Thailand. *Asia Pac J Clin Nutr (in press)* doi: 10.6133/apjcn.052016.02
3. Hong SA, **Winichagoon P**, Mongkolchati A. Inequality in malnutrition by maternal education levels among Thai children across ages in early childhood: based on the Prospective Cohort of Thai Children (PCTC). *Asia Pac J Clin Nutr (in press)*. doi: 10.6133/apjcn.032016.06.
4. Pongcharoen, T, Gowachirapant, S, Wecharak, P, Sangket, N and Winichagoon, P. Pre-pregnancy body mass index and gestational weight gain in Thai pregnant women and associations with pregnancy outcomes. *Asia Pac J Clin Nutr (in press)*
5. **Winichagoon, P**. Transition of maternal and child nutrition in Asia: implications for public health. *Curr Opin Clin Nutr Metab Care* 2015;18:312–317.
6. **Winichagoon, P** and Udomkesmalee, E. Vitamin A: Discrimination and integration. *World Nutrition* 2015; 6(4): 322-326.
7. Houghton, LA, Gray, AR, Harper, MJ, **Winichagoon, P**, Pongcharoen, T, Gowachirapant, S and Gibson, RS (2014). Vitamin D Status among Thai School Children and the Association with 1,25-Dihydroxyvitamin D and Parathyroid Hormone Levels. *PLoS ONE* 9(8): e104825. doi:10.1371/journal.pone.0104825.
8. **Winichagoon, P** (2014). Scaling up a community based program for maternal and child nutrition in Thailand. *Food Nutr Bull* 2014; 35 (suppl 1): 27S-33S.
9. Pinkaew, S, Wegmuller, R, Wasantwisut, E, **Winichagoon, P**, Hurrell, RF and Tanumihardjo, SA (2014). Triple-Fortified Rice Containing Vitamin A Reduced Marginal Vitamin A Deficiency and Increased Vitamin A Liver Stores in School-Aged Thai Children. *J Nutr* 144: 519–524.



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)  
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon  
Nakhon Pathom 73170, Thailand

10. Gowachirapant, S, Alida Melse-Boonstra, A, **Winichagoon, P** and Zimmermann, MB (2014). Overweight increases risk of first trimester hypothyroxinaemia in iodine-deficient pregnant women. *Maternal and Child* 2014; 10(1): 61-71. (DOI: 10.1111/mcn.12040)
11. Berger, J, Blanchard, G, Campos Ponce, M, Chamnan, C, Chea, M, Dijkhuizen, M, Doak, C, Doets, E, Fahmida, U, Ferguson, E, Hulshof, P, Kameli, Y, Kuong, K, Akkhavong, K, Kounavong, S, Bach Mai, L, Lua, TT, Muslimatun, S, Roos, N, Sophonneary, P, Wieringa, F, Wasantwisut, E and **Winichagoon, P**, for the SMILING consortium group (2013). The SMILING project: A North–South–South collaborative action to prevent micronutrient deficiencies in women and young children in Southeast Asia. *Food Nutr Bull* 34(2) (supplement): 133-139.
12. Pinkaew, S, **Winichagoon, P**, Hurrell, RF and Wegmuller, R (2013). Extruded rice grains fortified with zinc, iron, and vitamin A increase zinc status of Thai school children when incorporated into a school lunch program. *J. Nutr.* 143: 362–368.
13. **Winichagoon, P.** (2013) Thailand nutrition in transition: situation and challenges of maternal and child nutrition. *Asia Pac J Clin Nutr* 2013(1):6-15.
14. Berger, J, Wieringa, F, Nga, TT, **Winichagoon, P**, Dijkhuizen, M, Lailou, A, Bruyeron, O and Hieu, NT. (2012). Biscuits fortified with multiple micronutrients for school children in Vietnam. *Sight & Life* 26(2): 20-26.
15. Benton, D, **Winichagoon, P**, Ng, TP, Tee, ES, Isabelle, M (2012). Symposium on nutrition and cognition: towards research and application for different life stages. *Asia Pac J Clin Nutr* 2012;21 (1):104-124.
16. Pongcharoen T, Ramakrishnan U, DiGirolamo AM, **Winichagoon P**, Flores R, Singkhornard J, Martorell R. (2012). Influence of prenatal and postnatal growth on intellectual functioning in school aged children. *Arch Pediatr Adolesc Med* 166(5):411-416.
17. Nga, TT, **Winichagoon, P**, Dijkhuizen, MA, Khan, NC, Wasantwisut, E, Wieringa, FT (2011). Deworming and consumption of multi-micronutrient fortified biscuits decreased parasite load and improved some cognitive outcomes, but not growth in rural Vietnamese schoolchildren. *Am J Trop Med Hyg* 85(2): 333-340.
18. Chaimongkol, L, Pinkaew, S, Furr, HC, Estes, J, Craft, NE, Wasantwisut, E, and **Winichagoon, P** (2011). Performance of the CRAFTi portable fluorometer comparing with the HPLC method for determining serum retinol. *Clinical Biochemistry* 44: 1030–1032. (*corresponding author*)
19. Gibbs, M, Bailey, KB, Lander, RD, Fahmida, U, Perlas, L, Hess, SY, Loechl, CU, **Winichagoon, P**, Gibson, RS (2011). The adequacy of micronutrient concentrations in manufactured complementary foods from low-income countries. *J Fd Comp Anal* 24(3): 418-426.
20. Pongcharoen, T, DiGirolamo, AM, Ramakrishnan, U, **Winichagoon, P**, Flores, R and Martorell, R (2011) Long-term effects of iron and zinc supplementation during infancy on cognitive function at 9 years of age among northeast Thai children: A follow-up study. *Am J Clin Nutr* 93:636-643.
21. Tuntipopipat, S, Boonpradern, A, Charoenkiatkul, S, Wasantwisut, E and **Winichagoon, P** (2010). Dietary intake of spices and herbs in habitual northeast Thai diets. *Mal J Nutr* 16(1): 137-148. (*corresponding author*)
22. Gowachirapant, S, **Winichagoon, P**, Wyss, L, Tong, B, Baumgartner, J and Zimmermann, MB (2009). Urinary iodine concentrations in pairs of pregnant women and their school-aged children from Thai households indicate iodine sufficiency in the children but iodine deficiency in the women. *J Nutr* 139: 1169-1172.
23. Nga, TT, **Winichagoon, P**, Dijkhuizen, MA, Khan, NC, Wasantwisut, E, Furr, H and Wieringa, FT (2009). Multiple micronutrient fortified biscuits decreased prevalence of anemia, and improved micronutrient status and effectiveness of deworming in Vietnamese school



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)  
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon  
Nakhon Pathom 73170, Thailand

- children. *J Nutr* 139: 1013-1021.
24. Tontisirin, K and **Winichagoon, P** (2008). Nutrition Development in SE-Asia: Past Achievements and Present Challenges. Sixty years in Southeast Asia. WHO. pp 319-332.
  25. Zimmermann, MB, Fucharoen, S, **Winichagoon, P**, Sirankapracha, P, Zeder, C, Gowachirapant, P, Judprasong, K, Tanno, T, Miller, J, Hurrell, RF (2008). Iron metabolism in heterozygotes for HbE,  $\alpha$ -thalassemia1 or  $\beta$ -thalassemia and compound heterozygotes for HbE/ $\beta$ -thalassemia. *Am J Clin Nutr* 88: 1026-1031.
  26. Dijkhuizen, MA, **Winichagoon, P**, Wieringa, FT, Wasantwisut, E, Utomo, B, Ninh, NX, Hidayat, A and Berger, J, (SEAMTIZI, South-East Asia Multi-country Trial on Iron and Zinc supplementation in Infants) Study Group (2008). Zinc supplementation improved length growth only in anemic infants in a multi-country trial of iron and zinc supplementation South-East Asia. *J Nutr* 138: 1969-1975.
  27. Zimmermann, MB, Zeder, C, Muthayya, S, **Winichagoon, P**, Chaouki, N, Hurrell, RF (2008). Adiposity in women and children from transition countries predicts decreased iron absorption, iron deficiency and a reduced response to iron fortification. *Int J Obesity* 32(7): 1098-1104.
  28. Manger, MK, McKenzie, JE, **Winichagoon, P**, Gray, A, Chavasit, V, Pongcharoen, T, Gowachirapant, S, Ryan, B, Wasantwisut, E, Gibson, RS, (2008) . A micronutrient fortified seasoning powder reduces morbidity, improves short term cognitive function, but has no effect on anthropometry in primary school children in North East Thailand: A Randomized Controlled Trial. *Am J Clin Nutr* 87: 1715-1722.
  29. **Winichagoon, P**. (2008). Limitations and resolutions for dietary assessment of micronutrient intakes. *Asia Pac J Clin Nutr* 17(S1): 296-298.
  30. **Winichagoon, P**. (2008). Coexistence of micronutrient malnutrition: implication for nutrition policy and programs in Asia. *Asia Pac J Clin Nutr* 17(S1): 346-348.
  31. Lynch, SR, Bothwell, T and the SUSTAIN Task Force on Iron Powders (Campbell, L, Cowan, K, Hallberg, L, Hoppe, M, Hulthen, L, Hunt, JR, Hurrell, RF, Miller, D, Swain, JH, Solomon, R, Turner, L, **Winichagoon, P**, Yeung, CK, Zeder, C and Zimmermann, M) (2007). A comparison of physical properties, screening procedures and a human efficacy trial for predicting the bioavailability of commercial elemental iron powders used for food fortification. *Int J Vitam Nutr Res* 77(2): 107-124.
  32. Winichagoon P (Pranee), Svasti, S, **Winichagoon, P**, Chitchumroonchokchai, C and Fucharoen, S (2007). Expression of  $\beta^E$  and  $\gamma$ -globin genes in infants heterozygous for hemoglobin E and double heterozygous for hemoglobin E and  $\alpha$ -thalassemia. *Hematologica* 92; 5: 702-703.
  33. Wieringa, FT, Berger, J, Dijkhuizen, MA, Hidayat, A, Ninh, NX, Utomo, B, Wasantwisut, E and **Winichagoon, P**. (2007). Sex difference in prevalence of anemia and iron deficiency in infancy in a large multi-country trial in SE-Asia. *Brit J Nutr* 98: 1070-1076.
  34. Wieringa, FT, Berger, J, Dijkhuizen, MA, Hidayat, A, Ninh, NX, Utomo, B, Wasantwisut, E and **Winichagoon, P** (2007). Combined iron and zinc supplementation in infants improved iron and zinc status, but interactions reduced efficacy in a multicountry trial in Southeast Asia. *J Nutr* 137: 466-471.
  35. Gibson, RS, Manger, MS, Krittaphol, W, Pongcharoen, T, Gowachiraphant, S, Baily, KB and **Winichagoon P**. (2007) Does zinc deficiency play a role in stunting among primary school children in NE Thailand. *Brit J Nutr* 97: 167-175.
  36. Tuntipopipat, S, Judprasong, K, Zeder, C, Wasantwisut, E, **Winichagoon, P**, Charoenkiatkul,



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)  
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon  
Nakhon Pathom 73170, Thailand

- S, Hurrell, R and Walczyk, T (2006). Chili, but not turmeric, inhibits iron absorption in young Women from an iron-fortified composite meal. *J. Nutr.* 136: 2970-2974.
37. Krittaphol, W., Bailey, K.B., Pongcharoen, T., **Winichagoon, P.**, Gibson, R.S (2006). Low zinc, iron, and calcium intakes of Northeast Thai school children consuming glutinous rice-based diets are not exacerbated by high phytate. *International J Fd Sci Nutr* 57(7-8):520-52
38. Krittaphol, W., Bailey, K.B., Pongcharoen, T., **Winichagoon, P.**, Thomson, C., Gibson, R.S (2006). Primary school children from northeast Thailand are not at risk of selenium deficiency. *Asia Pac J Clin Nutr* 15(4):474-481.
39. Wasantwisut, E, **Winichagoon, P**, Chitchumroonchokchai C, Yamborisut. U, Boonpradern. A., Pongcharoen T, Sranacharoenpong. K., Russameesopaphorn. W (2006). A community-based iron and zinc supplementation improved iron and zinc status, but not physical growth among apparently healthy, breast-fed infants in rural NE Thailand. *J Nutr* 2006 136:2405-2411. (*corresponding author*)
40. **Winichagoon, P**, McKenzie, J, Chavasit, V, Pongcharoen, T, Gorwachirapan, S, Boonpradern, A, Manger, MS, Bailey, KB, Wasantwisut, E and Gibson, RS. A multi-micronutrient-fortified seasoning powder enhances the hemoglobin, zinc and iodine status of primary school children in North East Thailand: A randomized controlled trial of efficacy. *J Nutr* 2006; 136: 1617-1623.
41. Thurlow, RA, **Winichagoon, P**, Pongcharoen, T, Gorwachirapan, S, Boonpradern, A, Manger, MS, Bailey, KB, Wasantwisut, E and Gibson. RS. Risk of zinc, iodine and other micronutrient deficiencies among school children in Northeast Thailand. *Eur J Clin Nutr* 2006; 60: 623-632.
42. **Winichagoon, P** (2006). The nutrition situation of rural people living in Southeast Asia. *J Fd Comp Anal* 19: 758. (Abstract).
43. Zimmermann, MB, **Winichagoon, P**, Gowachirapant, S, Hess, SY, Harrington, M, Chavasit, V, Lynch, SR and Hurrell, RF (2005). Comparison of the efficacy of wheat-based snacks fortified with ferrous sulfate, electrolytic iron, or hydrogen-reduced elemental iron: randomized, double-blind, controlled trial in Thai women. *Am J Clin Nutr* 2005; 82: 1276-1282.
44. Thurlow, RA, **Winichagoon, P**, Green, T, Wasantwisut, E, Pongcharoen, T, Baily, KB and Gibson, RS (2005). Only a small proportion of anemia in northeast Thai schoolchildren is associated with iron deficiency. *Am J Clin Nutr* 82: 380-387.
45. Florentino RF, Underwood B, Hurrell R, Chen J, Junsheng H, Ju N, Khan NC, Van Thuy P, Togami T, Wijaya B, Barba CVC, **Winichagoon P**, Chavasit V, Kelkar A, Berger J, Chunming C, Rabeneck S (2005). Asian workshop on iron fortification of foods. *Asia Pac J Clin Nutr* 14(1):108-10.
46. **Winichagoon, P** (2005). Iron. In: Recommended Dietary Allowances (RDA). Harmonization in Southeast Asia. ILSI Southeast Asia Region, Monograph Series, Singapore, pp 76-96.
47. Tee, ES, Dop, MC and **Winichagoon, P** (2004). Future Challenges. Workshop on Food consumption surveys in developing countries. *Fd Nutr Bull* 25(4): 407-414.
48. Deitchler, M, Mason, J, Mathys, E, **Winichagoon, P** and Tuazon, MA (2004). Lessons from successful micronutrient programs. Part I: Program initiation. *Food and Nutrition Bulletin* 25, 1: 5-29.
49. Deitchler, M, Mathys, E, Mason, J, **Winichagoon, P** and Tuazon, MA (2004). Lessons from successful micronutrient programs. Part II: Program implementation. *Food and Nutrition Bulletin* 25, 1: 30-52.
50. Mason, J, Deitchler, M, Mathys, E, **Winichagoon, P** and Tuazon, MA (2004). Lessons from



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)  
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon  
Nakhon Pathom 73170, Thailand

- successful micronutrient programs. Part III: Program impact. Food and Nutrition Bulletin 25, 2: 53-78.
51. **Winichagoon, P** (2004). Effectiveness of iron supplementation for the control of iron deficiency anemia among women of reproductive age. In: Nutrition Goals for Asia –Vision 2020. Proceeding of the IX Asian Congress of Nutrition, February 2003, Delhi, India, pp323-328.
  52. **Winichagoon, P** (2004). Social mobilization for promoting household food security and nutrition: Challenges to implementation. In: Nutrition Goals for Asia –Vision 2020. Proceeding of the IX Asian Congress of Nutrition, February 2003, Delhi, India, pp 682-686.
  53. **Winichagoon P** (2002). Prevention and control of Anemia: Thailand experiences. J. Nutr. 862S-866S.
  54. Tontisirin, K, **Winichagoon, P** and Bhattacharjee, L (1999). Prevention and control: effective approaches for use by health professionals. Annales Nestle 57(3): 107-118.
  55. Tontisirin, K and **Winichagoon, P** (1999). Community-based programmes: Success factors for public nutrition derived from the experience of Thailand. Fd Nutr Bull 20(3): 315-322.
  56. Tontisirin, K and **Winichagoon, P** (1995). Progress in overcoming hunger in southeast Asia: 1989-1994. In: The Hunger report: 1995. Messer, E and Uvin, P (eds.). Alan Shawn Feinstein World Hunger Program, Brown University, USA.
  57. Tontisirin, K, Attig, GA and **Winichagoon, P** (1995). An eight stage process for national nutrition development. Fd Nutr Bull 16(1):8-16.
  58. Valyasevi, A, **Winichagoon, P** and Dhanamitta, S (1995). Community-based nutrition surveillance: Thailand experience, Fd Nutr Bull 16(2):120-125.
  59. Kotchabhakdi NJ, **Winichagoon P**, Smitasiri S, Dhanamitta S, Valyasevi A. The integration of psychosocial components in nutrition education in northeastern Thai villages. Asia Pac J Public Health 1987; 1:16-25.
  60. Viriyapanich T, **Winichagoon, P** and Dhanamitta, S. Thailand breastfeeding practice in rural villages in the northeast during 1981-1982. J Med Assoc Thai 1984; 66(supp): 42-45.

### National Level:

1. พัตถณี วินิจจะกุล (2558). โภชนาการช่วงแรกของชีวิตกับทุพโภชนาการสองปลาย: ความท้าทายสำหรับประเทศไทย โภชนาการสาร (รอดตีพิมพ์)
2. ทิววัลย์ พงษ์เจริญ คิวพร จิตต์งามกุล ลักษณ์า ไชยมงคล กัลย์ธิดา ธรพร และ พัตถณี วินิจจะกุล (2558) การส่งเสริมภาวะโภชนาการของหญิงตั้งครรภ์และหญิงให้นมบุตร: การประเมินแบบเร่งด่วนจากมุมมองของผู้ให้และผู้รับบริการ วารสารการพยาบาลและการดูแลสุขภาพ 33(1): 166-174.
3. พัตถณี วินิจจะกุล (2551). บทบาทของธาตุเหล็กต่อปัญหาโลหิตจางในประเทศกำลังพัฒนา โลหิตวิทยาและเวชศาสตร์บริการโลหิต 18(4): 321-330.
4. พัตถณี วินิจจะกุล (2550). ทุพโภชนาการ: ปัญหาทั้งขาดและเกิน โภชนาการสาร 42(1): 29-31.
5. อทิตตา บุญประเดิม ทิววัลย์ พงษ์เจริญ และ พัตถณี วินิจจะกุล (2548). การสำรวจการบริโภคผลิตภัณฑ์นมที่บริโภคสำเร็จรูปในชนบทภาคตะวันออกเฉียงเหนือ โภชนาการสาร 40(2): 45-54.
6. พัตถณี วินิจจะกุล และ วงสวาท โกศลวัฒน์ (2547). การวิจัยอาหาร และโภชนาการ ใน: แผนกลยุทธ์การวิจัยสุขภาพ ทบทวนและปรับเปลี่ยน ครั้งที่ 1 (Strategic Plan for Health Research. Revised edition) ธีรัฐ ภูมิประวัติ สมอาจ วงษ์ขมทอง และ ลินดา วงศ์นพพัทธ์ (บรรณาธิการ) คณะกรรมการสภาวิจัยแห่งชาติ สาขาวิทยาศาสตร์การแพทย์ สำนักงานคณะกรรมการวิจัยแห่งชาติ หน้า 274-283. (**Winichagoon, P** and Kosulwat, V (2004). Research in Food and Nutrition. In: Strategic Plan for Health Research. Revised edition. National Research Council, Thailand.)
7. พัตถณี วินิจจะกุล (2546). ความหมายของการติดตาม และเฝ้าระวังทางโภชนาการ ใน: การประชุมวิชาการโภชนาการ '46 เรื่อง อาหารและโภชนาการสร้างคน กรุงเทพฯ 16-18 ธันวาคม 2546 หน้า 224-227. (**Winichagoon, P** (2003). Concept of nutritional surveillance. In: the Proceedings of the Nutrition Conference, Institute of Nutrition and Ramathibodi Faculty of Medicine,



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)  
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon  
Nakhon Pathom 73170, Thailand

Mahidol University, Bangkok, Thailand, December 16-18, 2003. pp 224-227.)

8. พัชรัตน์ วินิจจะกุล (2546) ธาตุเหล็กกับการเรียนรู้ ใน: การประชุมวิชาการโภชนาการ '46 เรื่อง อาหารและโภชนาการสร้างคน กรุงเทพฯ 16-18 ธันวาคม 2546 หน้า 116-122. (**Winichagoon, P** (2003). Iron and cognition. In: the Proceedings of the Nutrition Conference, Institute of Nutrition and Ramathibodi Faculty of Medicine, Mahidol University, Bangkok, Thailand, December 16-18, 2003. pp 115-122.)
9. รัชตะ รัชตะนาวิน, พัชรัตน์ วินิจจะกุล, พิสุทธิ์ เลิศวิไล และ เอมอร วสันตวิสุทธิ์ (2544)แนวคิดเชิงวิเคราะห์การป้องกันปัญหาการขาดจุลโภชนาการของประเทศไทย ใน: การประชุมวิชาการโภชนาการ '46 กรุงเทพฯ 23-25 มกราคม 2545. (Rajatanavin, R, Winichagoon, P, Lertwilai, P and Wasantwisut, E (2003). Critical review of program for prevention and control of micronutrient deficiencies. Proceedings of the Nutrition Conference, Bangkok, Thailand.)

### Research Interests:

1. Maternal and child nutrition, field efficacy/effectiveness of micronutrient interventions, bioavailability of micronutrients
2. Use of stable isotope methods in maternal and child nutrition  
Community-based nutrition program: Analysis of policy and program implementation

### Research Experiences:

1. Using Stable Isotope Techniques to Monitor Situations and Interventions for Promoting Infant and Young Child Nutrition in Asian region (IAEA-RAS/6073) (Designated Team Member)
2. Sustainable Micronutrient Interventions to control deficiencies and Improved Nutritional status and General health in Asia (SMILING), EU FP7, 2012-14.
3. Infant feeding practices in transition: Breast milk intakes, complementary feeding and body composition during Infancy in Thailand. Doctoral CRP/IAEA 2011-15. (PI).
4. Assessment of body composition and total energy expenditure in children. IAEA National TC (extension) (THA 6038). 2012-2013.(PI)
5. Optifood – an Approach to Improve Nutrition, UBS Optimus Foundation. 2010-11. (co-PI)
6. Maternal and child nutrition research. National Research University-Mahidol University grant, (PI)
7. Evaluating impact of locally developed food on nutritional status of infants and preschool children (PI), 2009-2011. (National TC, Thailand, IAEA-THA/6/035)
8. Efficacy of vitamin A in fortified extruded rice in school children in Thailand, 2009-2010. (co-PI) (IAEA).
9. Efficacy of iron, zinc and vitamin A fortified rice on zinc status of school-aged children in Satun, Thailand, 2009-10 (ETH funding) (co-investigator)
10. Iodine supplementation during pregnancy and lactation in mild-to-moderately iodine-deficient women: effects on pregnancy outcome and infant development (co-PI), 2008-2011. (Swiss National Fund)
11. Long-Term Effects of Iron and Zinc Supplementation During Infancy on Cognitive Performance and Growth 8 Years Later: A Follow-Up Study (co-investigator), 2008-9. (Ellison Foundation and INMU small grant on child nutrition)
12. Efficacy of multiple micronutrient fortified biscuits and deworming on reducing anemia prevalence, and improving micronutrient status, cognitive function, and growth in Vietnamese school children, 2006-8 (Neys Foundation, Nederland) (PI)
13. Iron absorption and utilization in thalassemia: does iron fortification pose a risk? 2007-8. (IAEA and SUSTAIN) (co-investigator)
14. Measuring iodine status in matched pairs of Thai pregnant women and their school-age children: assessing the value of urinary iodine concentration (PI), 2007-8. (Swiss Federal Institute of Technology small grant)



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)  
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon  
Nakhon Pathom 73170, Thailand

---

15. Efficacy of various forms of elemental iron used in wheat-base fortification among reproductive age women (factory workers) in Bangkok/Central Thailand.2004-5. (SUSTAIN) (co-PI)
16. Efficacy of fortified iron, zinc, vitamin A and iodine instant noodle seasoning-mix is school children in northeast Thailand. 2003-5. (Micronutrient Initiative) (PI)
17. Efficacy of iron and zinc supplementation among 4-6 month old infants in rural NE Thailand. 2000-3. (Thrasher Foundation/UNICEF). (co-PI)
18. Effect of weekly vs daily iron supplementation in young infants (4-6 mo. old), 1999. (WHO Thailand). (PI)
19. Efficacy of weekly vs daily iron supplementation during pregnancy in rural northeast Thailand and Follow up of infants and lactating mothers 4-6 mo. Postpartum, 1997-1999. (UNICEF/EAPRO). (PI)
20. Evaluation of the quality of iodized salt produced in Thailand, 1998-9 (UNICEF/EAPRO) (co-PI)
21. Iron supplementation strategy for pregnant women in Primary health care in rural northeast (1987-1989) and central Thailand (1990-1992). (WHO Thailand/INMU; IDRC) (PI)
22. Evaluation of impact of the promotion of supplementary feeding by interactive video and radio program (1981-1983). (Rotary International) (investigator, field manager)