

**Name :** ประไพศรี (ภูวเสถียร) ศิริจักรวาล  
Prapaisri P Sirichakwal

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**Current positions:** Associate Professor

**Education:**

1984	PhD (Nutritional Biochemistry, and Metabolism)	Massachusetts Institute of Technology	USA
1971	MS (Microbiology)	Kasetsart University	Thailand
1968	B.Sc. (Medical Technology)	Mahidol University	Thailand

**Training:**

2002	Training on IMMULITE, U.S.A.
1975	Training in Amino Acid Analyzer 121 M/System A.A., Beckman Instrument Inc., Palo Alto, California, U.S.A.
1974	Nutrition Training, Department of Nutrition and Food Science, Massachusetts Institute of Technology, Mass., U.S.A.

**Honors and Awards:**

1985 NIH Fellow, Research Associate, Nuclear Engineering and Nutrition and Food Science Departments, M.I.T., Mass., U.S.A.  
1974 and 1979-82: Recipient of the World Health Organization Fellowship Award,  
1968 Gold Medal Award: B.Sc. (Medical Technology), Mahidol University,

**Prior Positions:**

1984-2006: Head, Human Nutrition Division, Institute of Nutrition Mahidol University  
2000-2003: Deputy Director for Operation, Institute of Nutrition, Mahidol University

**Research Interest and Expertise**

1. Bioavailability of minerals in human nutrition (iron, selenium, calcium)
2. Glycemic index in foods (Human study)
3. Milk and milk products consumption: lactose maldigestion and intolerance in various ages
4. Food-based dietary guidelines development and evaluation in various ages
5. Healthy snacks and meals
6. Nutrient profiling and front of pack labeling

**National and International Consultancy Positions**

2013-14	Committee, Thai Dietary Reference Intakes (Thai DRI), Department of Health, Ministry of Public Health.
2011-14	Committee, Nutrition and Health Claim (Group 3). Food and Drug Administration, Ministry of Public Health.
2011-14	Expert, International Standard Guidelines, Nutrition and Food for Special Used, National Bureau of Agricultural Commodity and Food Standards
2014	Head, Revise Nutrition Labeling Act, No. 182 "Nutrition Labeling" Food and Drug Administration, Ministry of Public Health.
2004-2011	Committee, Laboratory Quality Control, ISO/IEC 17025, Institute of Nutrition, Mahidol University.
1996-2011	Consultant, nutrition labeling evaluation, Institute of Nutrition, Mahidol University
2007-2011	Chief, Food and Nutrition Consultant, Service Program, Institute of Nutrition, Mahidol University
2009-2011	Working group, INMU website (academics), Institute of Nutrition, Mahidol University

2001-2004 and 2007- 2011	Executive committee of Nutrition Association of Thailand under the Patronage of Her Royal Highness Princess Maha Chakri Sirindhorn
2008-2011	Expert, International Standard Guidelines, Nutrition and Food for Special Used, National Bureau of Agricultural Commodity and Food Standards
2007	Committee, Food-Based Dietary Guidelines for Infant. Progressive Nutrition Plan, Thai Health Promotion Foundation.
2007	Consultant, "Thai Sweet" Project, Progressive Nutrition Plan, Thai Health Promotion Foundation and Department of Health, Ministry of Public Health
2007	Consultant, "Healthy Snack" Project, Progressive Nutrition Plan, Thai Health Promotion Foundation and Department of Health, Ministry of Public Health.
2006-2011	Committee, Nutrition and Health Claim (Group 3). Food and Drug Administration, Ministry of Public Health.
2006-2011	Team, Revise Nutrition Labeling Act, No. 182 "Nutrition Labeling" Food and Drug Administration, Ministry of Public Health.
2005	Academic Consultant, edited Thai version: Manual of Vitamin, Minerals and Herbs. Readers Digest (Thailand) Ltd.,
2004-2008	IAEA, National Project Coordinator: Prevention of Osteoporosis and Promotion of Bone Mass in Asian Populations Using a Food-Based Approach.
2000-2003	Company Consultant: - M K Restaurant.
2003	Technical Consultant on National Food-Based Dietary Guidelines. FAO/WHO, Egypt
2001-2002	Committee, Thai Dietary Reference Intakes (Thai DRI), Department of Health, Ministry of Public Health, Published in 2003.
1997-2003	Steering Committee of Southeast Asia Recommended Dietary Allowances Harmonization.
1995-1998	Committee, Thai Food-based Dietary Guidelines and Food Guide Model Development, Department of Health, Ministry of Public Health.
1995-1998	Committee on Nutrition Labeling Act, No. 182 "Nutrition Labeling" (1998), Food and Drug Administration, Ministry of Public Health.

## Appointments

✓ Doctoral of Philosophy in Nutrition Program

Master of Science in Nutrition Program

Master of Science in Food and Nutrition for Development Program

Master of Science in Food and Nutrition Toxicology Program

✓ Master of Science in Nutrition and Dietetics Program

## Publications

### National Level

1. Sirichakwal PP, Purttipornthanee S, Janesiripanich N. Breakfast Consumption Behaviors and Health in Children. J Nutr Assoc Thailand (Submitted April, 2014)
2. Bunprakong L, Sirichakwal PP. Glycemic index . J Nutr Assoc Thailand 2009; 44(4):119-26.
3. Sirichakwal PP. Eggs and Health. J Nutr Assoc Thailand 2008; 43(2):8-12.
4. Sirichakwal PP. Milk for Health. J Nutr Assoc Thailand 2008; 43(1):9-17.
5. Kettawan A, Sungpuag P, Sirichakwal PP, Chavasit V. Chicken bone calcium extraction and its application as a food fortificant. J Natl Res\_Council Thailand. 2002; 34:163-80.
6. Pratumvong K, Sirichakwal PP, Wasantwisut E, Viriyapanich T, Banjong O. Nutritional status of rural preschool children feeding with lysine fortified rice and glutinous rice. J Nutr Assoc Thailand. 2002; 37:7-15.
7. Puwastien P, Raroengwichit M, Sirichakwal PP, Sungpuag P. Development of reference amounts of Thai food products for nutrition labeling. J Nutr Assoc Thailand 2001; 36:28-40

8. Sirichakwal PP, Sranacharoenpong K, Viriyapanich T, Chittchang U, Tontisirin K. Thai Food-Based Dietary Guidelines. *J Nutr Assoc Thailand* 1999; 35:53-7.
9. Sukprasert B, Sirichakwal PP, Puwastien P. Attitude, knowledge in food and nutrition and consumption behaviors of Bangkok residents. *J Nurse Assoc Thai* 1998; 16:71-83.
10. Sungpuag P, Sirichakwal PP, Viriyapanich T. Low calories diet. *J of Ecology*. 1997; 24(2):73-6.
11. Chitchumroonchokchai C, Kongkachuichai R, Sirichakwal PP, Puwastien P. Macro element intake of Thai adult subjects: chemical analyses of diets using the duplicate portion sampling technique. *Rama Med J*. April-June, 1993;168-73.
12. Suthutvoravut U, Sirichakwal PP, Tassaneeyakul A, Sasanakul W, Hathirat P. Vitamin E and selenium status in Thalassemia hemoglobinopathy. *Rama Med J*. Jul.-Sep. 1992; 215-9.
13. Kongkachuichai R, Sirichakwal PP, Puwastien P. Trace elements: copper, Zinc and iron in Thai vegetables and fruits. *J Nutr Assoc Thailand* 1991; 25:93-100.
14. Puwastien P, Sirichakwal PP, Chitchumroonchokchai C. What do you want about Thai's Food Composition Table. *J Nutr Assoc Thailand* 1989; 23(1):74-83.
15. Sirichakwal PP, Kongkachuichai R, Puwastien P. Macro and trace elements in Thai foods. *J Nutr Assoc Thailand*. 1989; 23:20-34.
16. Sirichakwal PP, Kongkachuichai R, Puwastien P. Acid digestion versus dry ashing for mineral analysis of foods. *J Nutr Assoc Thailand*. 1988; 22:279-96.
17. Puwastien P, Sirichakwal PP, Valaipatchara U. Nutritive values of strict vegetarian menus. *J. Nutr. Assoc. Thailand* 1988; 22:209-25.
18. Chitchumroonchokchai C, Puwastien P, Sirichakwal PP, Kongkachuichai R. Vitamin B12 status in Thai adult vegetarians. *J Nutr Assoc Thailand*. 1988; 22:107-14.
19. Sungpuag P, Puwastien P, Charoenkiatkul S, Sirichakwal PP, Tontisirin K, Taewtong N. Quantity and quality of Breast-milk in Thai mothers. *J Nutr Assoc Thailand*. 1983; 17:181-95.

#### International Level

1. Achiraya Kamchansupasin, Prapaisri P Sirichakwal, Christine C Akoh. Wantanee Kriengsinyos, Somsri Chareonkiatkul, Kimberly O'Brien. Vitamin D status is associated with calcium absorption among postmenopausal Thai women with habitually low calcium intakes. *Journal of Nutrition*, (Submitted November, 2014)
2. Prapaisri P Sirichakwal, Sasiumphai Purttipornthanee, Petcharat Kunapun, Nuttha Janesiripani. Breakfast consumption behaviors of elementary school children: Bangkok Metropolitan areas. *Southeast Asian J Trop Med Pub Hlth*. (Submitted July 2014)
3. Sirichakwal PP, Sranacharoenpong K, Tontisirin K. Food based dietary guidelines (FBDGs) development and promotion in Thailand. *Asia Pac J Clin Nutr* 2011; 20(3): 477-83
4. Porniammongkol O, Yamborisut U, Intajak T, Sirichakwal PP. Iron status of hill tribe children and adolescent boys: a cross sectional study at a welfare center in Chiang Mai, Thailand. *Pak J Nutr* 2011;10(10):903-909.
5. Sranacharoenpong K, Hanning RM, Sirichakwal PP, Chittchang U. Process and outcome evaluation of a diabetes prevention education program for community health care workers in Thailand. *Education for Health*. 2009; 22(3): 335 (Epub Dec 1).
6. Plaimast H, Sirichakwal PP, Puwastien P, Judprasong K, Wasantwisut E. In vitro bioaccessibility of intrinsically zinc-enriched egg and effect of cooking. *JFCA* 2009, 22: 627-31.
7. Sirichakwal PP, Sranacharoenpong K. Practical experience in development and promotion of food-based dietary guidelines in Thailand. *Asia Pac J Clin Nutr*. 2008; 17(S1):S63-S65.
8. Plaimast H, Sirichakwal PP, Puwastien P, Wasantwisut E, Judprasong K, Kijparkorn S. Bioaccessibility of zinc in whole eggs by continuous-flow dialysis methods. *Cell Biol Toxicol*. 2008; 24 (S1):S19-S20.
9. Patthamakanokporn O, Puwastien P, Nitithamyong A, Sirichakwal PP. Changes of antioxidant activity and total phenolic compounds during storage of selected fruits. *J Food Chem Anal* 2008; 21:241-8.
10. Chearskul S, Supingklud N, Nitithamyong A, Sirichakwal PP. Assessment of hormonal and

- metabolic effects of dietary fiber in young Thai women. *J Med Assoc Thai* 2006; 89 (#7):997-1003.
11. Sirichakwal P P, Puwastien P, Polngam J, Kongkachuichai R. Selenium content of Thai foods. *J Food Chem Anal* 2005;18:47-59
  12. Walczyk T, Tuntipopipat S, Zeder C, Sirichakwal P P, Wasantwisut E, Hurrell R F. Iron absorption by human subjects from different iron fortification compounds added to Thai fish sauce. *Eur J Clin Nutr* 2005; 59:668-74.
  13. Viravathana N, Sirichakwal PP. Energy and nutrients intake of Thai active duty army personnel at the Army Special Welfare Command Unit. *J Med Assoc Thai* 2005; 88 (Suppl 3): S110-S115.
  - 14.. Sittikulwitit S, Sirichakwal PP, Puwastien P, Chavasit V, Sungpuag P. *In-vitro* bioavailability of calcium from chicken bone extract powder and its fortified products. *J Food Chem Anal* 2004; 17:321-9.
  15. Kamchan A, Sirichakwal PP, Puwastien P, Kongkachuichai R. *In Vitro* calcium bioavailability of vegetables, seeds, and legumes in Thailand *J Food Chem Anal* 2004;17:311-20.
  16. Feungpean B, Sirichakwal PP, Tontisirin K. Urinary Amino Acid Excretions in Healthy Thai Subjects. *Intern Med J Thai* 2002; 18:314-20.
  17. Chaiwanon P, Puwastien P, Nitithamyong A, Sirichakwal PP. Calcium fortification in soybean milk and in vitro bioavailability. *J Food Chem Anal* 2000; 13:319-27.
  18. Soontornchai S, Sirichakwal PP, Puwastein P, Tontisirin K, Krieger D, Grossklaus R. Lactitol tolerance in healthy Thai adults. *Eur J Nutr.* 1999; 38:218-226.
  19. Sirichakwal PP, Fungpean B, Tontisirin K. Plasma amino acid contents in healthy Thai subjects. *J. Med Assoc Thai.* 1999; 82: (Suppl 1): s129-36.
  20. Suthutvoravut U, Sirichakwal PP, Tassaneeyakul A, Hathirat P, Sasanakul W, Feungpean B. Vitamin E status, glutathione peroxidase activity and the effect of vitamin E supplementation in children with Thalassemia. *J Med Assoc Thai* 1993; 76 (Suppl.):146-52.
  21. Sirichakwal PP, Young VR, Janghorbani M. Absorption and retention of selenium from intrinsically labeled egg and selenite as determined by stable isotope studies in humans. *Am J Clin Nutr.* 1985; 41:264-9.
  22. Sirichakwal PP, Newcomer CE, Young VR, Janghorbani M. Labeling hen's egg with <sup>74</sup>Se for use in human metabolic experiments. *J Nutr.* 1984; 114:1159-68.
  23. Tontisirin K, Sirichakwal PP, Valyasevi A. Obligatory Nitrogen Losses of Thai Adults Males. *In: Torun B, Young VR, Rand WM. eds. Protein-Energy Requirements of Developing Countries : Evaluation of New Data. The United Nations University World Hunger Programme, Food and Nutrition Bulletin.* 1981; Supplement 5.
  24. Tontisirin K, Sirichakwal PP, Valyasevi A. Protein Requirements of Adult Thai Males. *In: Torun B, Young VR, Rand WM. eds. Protein-Energy Requirement Of Developing Countries : Evaluation of New Data. The United Nations University, World Hunger Programme. Food and Nutrition Bulletin* 1981; Supplement 5.
  25. Srichaikul T, Phuwasitien P, Puwastien P, Karnjanajetanee J, Bokisch VA. Complement Changes and Disseminated Intravascular Coagulation in Plasmodium falciparum Malaria. *Lancet* 1975; i:770.
  26. Vimokesant S, Nimitmongkol N, Phuwasitien P, *et al.* Occurrence of neuropathies and anti-thiamine factors in food. *In: Chavez A, Bourges H, Basta S. eds. Nutrition. Separatum, Switzerland, 1975.*

## Reports and Books

### In Thai: Book

1. Sirichakwal PP, Suthutworawut U. Food-based Dietary Guidelines: Review and Analysis. For National Food Committee, Thailand. 119 pages.
2. Sirichakwal PP. Milk for Life and Health. Dutch Mill Ltd. 2010
3. Chittchang U, Sirichakwal PP, Bunjong O, Kunsong S, Kamchansuppasin A, Po-chai T. Healthy Snack. V-Plus Group (Thailand) Ltd. 2009. (ISBN: 978-974-11-1184-8)
4. Sirichakwal PP. Foods for Kids. Roen-Punya Print Ltd., 2008 (ISBN: 978-974-7477-20-7), 152 pages.
5. Tontisirin K, Sirichakwal PP. How to feed your child to be healthy and smart. Kao-Fang Print Ltd., 2008 (ISBN: 978-974-9687-92-5), 120 pages.

6. Sirichakwal PP. Food and Nutrition in Life Cycle. *In: Self Assessment for Certified Dietitian Of Thailand.* pp. 21-35, 2008 (ISBN978-974-06-2085-3).
7. Sirichakwal PP. Friendly nutrition labeling: Snack choice. *In: Suthutvorawut U et al. (eds.): Nutrition in Practice.* Pimsuay Print Ltd. 2007. (ISBN: 978-974-88196-6-2)
8. Sirichakwal PP. Fat, Sugar and salt consumption. *In: Food and Water-Important factors for well being of Thai People.* U-Sa Print Ltd., 2006 (ISBN: 974-94280-5-6), pp144-164.
9. Sirichakwal PP, Viriyapanich T, Sranacharoenpong K. Food and Nutrient Requirements in School Children. *In: Food Recipes for School Children, Chapter 2.* Ministry of Education, 2004: 5-13. (ISBN. 974-269-475-3)
10. Sirichakwal PP. Nutrients and Metabolism. *In: Nutrition in Health.* Health Science, Sukothai Thammathiraj University. Sukothai Thammathiraj University Print. 2004: 41-137. (ISBN. 974-645-545-1)
11. Sirichakwal PP, Puwastien P. Soybean: Benefit for Health. Mae-bann Print Ltd., 2004. (ISBN. 974-9716-14-0)
12. Puwastien P, Banjong O, Sirisant J, Sirichakwal PP. Manual of High Calcium Soy Milk Production. Institute of Nutrition, Mahidol University. 2004. (ISBN: 974-9716-88-4)
13. Sirichakwal PP, Puwastien P. Soybean and Health. *In: Ek-kantrong P, Thomchotipong S, Khunsanong S. (eds): Menu from Soybean Residue.* Petrung Print Ltd. 2004: 15-33. (ISBN: 974- 9717-24-4)
14. Sirichakwal PP, Yamborisut U. How to choose no-added sugar milk powder. *In: Tujinda C, Trepate S, Prasertsom P. (eds): How to Raise Kids without the Risk of Obesity.* Ruk-look Family Groups Ltd. 2004: 94-106. (ISBN 974-9218-73-6)
15. Sirichakwal PP. Protein. In: Thai DRI. Chapter 3. Department of Health, Ministry of Public Health, 2003: 64-73. (ISBN. 974-515-686-8)
16. Sirichakwal PP, Yamborisut U. Nutrition for healthy children. Family Direct Ltd., 1998 (ISBN 974-86621-3-6)
17. Sirichakwal PP. Rojkureesatien K, Chittchang U. School Milk Program. Report submitted to Bureau of the Budget, Thailand. 1997. (ISBN.974-589-7)
18. Sirichakwal PP. Food-based Dietary Guidelines. *In: Tontisirin K, Srianujata S, Puwastien P, Charoensiri R (eds.): Food and Nutrition: Linking advanced knowledge to Practice.* Institute of Nutrition, Mahidol University 1997: pp. 67-74. (ISBN 974-588-940-7)
19. Sirichakwal PP. Food and Nutrition for Health. *In: Srianujata S, Sirichakwal PP, Sungpuag P, Puwastien P, Chavasit V. (eds): Nutrition Labeling.* Institute of Nutrition, Mahidol University, 1995: 11-22.
20. Yamborisut U, Charoensiri R, Sirichakwal PP. Nutrition in Preschool Children. In: Manual for Preschool Children. Hongsa Co Ltd., 1995: 65-97.
21. Sirichakwal PP. Nutrition Poem Chapter 2: Nutrition Knowledge from the poem presented by Her Royal Highness Princess Sirintorn during her visit Institute of Nutrition, Mahidol University, 1992-3: 23-108. (ISBN. 974-589-262-9).
22. Sirichakwal PP. Iron and Zinc Interaction. *In: Dhanamitr S, Sirichakwal PP, Puwastien P (eds.): Update on Nutrition for Health.* Sua-aksorn Print, 1991: 293-302. (ISBN 974-589-152-4)
23. Sirichakwal PP. Vegetarian. *In: Sirichakwal PP, Puwastien P, Winichagoon P (eds.): Advanced Nutrition .* Technique 19 Ltd., 1989: pp. 247-58. (ISBN 974-586-462-5)
24. Sirichakwal PP. Role of Selenium and Chromium. *In: Wichidist S, Tonphaichit V, Srianujata S (eds.): Applied Nutrition.* Prayonnwong Print Ltd., 1986: pp. 57-67. (ISBN 974-586-090-5)

### **In Thai : Report**

1. Sirichakwal PP, Yambolisut U, Kongkachuichai R, Charoensiri R, Nuanmusik C. Glycemic index of new breeding varieties of Thai rice. Report to Agricultural Research Development Agency (Public Organization). 2014
2. Sirichakwal PP, Purttipornthanee S, Kunapun P, Janesiripanich N. Breakfast consumption behaviors of elementary school children: Bangkok Metropolitan. Report submitted to Nestle (Thai) Co Ltd. 2013
3. Sirichakwal PP. Nutrition labeling research for reducing salt and fat: Review. Submitted to CDC. 2013
4. Sirichakwal PP. Updated on Food-Based Dietary Guidelines. Submitted to National Food Committee (Food and nutrition for well being-Strategic plan). 2012

5. Sirichakwal PP, Kongkachuichai R, Kamchansuppasin A, Boonprakong L. Glycemic index of Thai fruits. Report submitted to Thailand Research Fund. 2011
6. Sirichakwal PP, Kamchansuppasin A, Teratontiganon K, Porniammongkol O. Breakfast consumption behavior in grade 3-4 students, Bangkok. Report submitted to Aziam Burson-Marsteller (ABM) Bangkok, Thailand, 2009
7. Sirichakwal PP, Kamchansuppasin A. Study of system for nutrition risk assessment. Report submitted to Thai Food and Drug Administration, 2008
8. Sirichakwal PP. Nutrient analysis of some processed foods with nutrition labeling. Report submitted to Thai Food and Drug Administration, 2008
9. Sirichakwal PP, Kamchansuppasin A, Puwastien P, Kriengsinyos W, Charoenkiatkul S, Komintr S. Calcium bioavailability of Cassia leaves in Thai post-menopausal women. Report submitted to Mahidol University, 2008.
10. Puwastien P, Sirichakwal PP, Plaimast H, Judprasong K, Wasantwisut E. A controlled trial of zinc enriched feeds on the bioaccessibility of zinc in the produced eggs and other related effects. Report submitted to Mahidol University, 2008.
11. Sirichakwal PP, Yamborisut U, Puwastien P, Kongkachuichai R, Tuntawiroon M, Kamchansupphasin A, Porniammongkol O. Efficacy study of Iron-dense rice on Iron status in school children with iron depletion. Report submitted to National Research Council, 2008.
12. Sirichakwal PP, Puwastien P, Chittchang U, Kamchan A, Sangasatechai P. Nutrition labeling: Campaign in school children. Report submitted to Progressive Nutrition Plan, Thai Health Promotion Foundation, 2007.
13. Sirichakwal PP, Puwastien P, Kamchan A, Sangasatechai P. Nutritive values of snacks. Report submitted to Thai Health Promotion Foundation, 2005.
14. Sirichakwal PP. Healthy Snack: review. Report submitted to National Health Foundation, 2005.
15. Tipmongkol S, Sirichakwal PP, Chittchang U, Kamchan A, Sranacharoenpong K. Food consumption behaviors of Rajabhat University students. Report submitted to Rajabhat University, 2005.
16. Chittchang U, Sirichakwal PP, Sranacharoenpong K, Prasertsom P, Janbang P. Snack consumption behavior in Thai children aged 5-15 years. Report submitted to Thai Health Promotion Foundation, 2005.
17. Chittchang U, Winichagoon P, Sirichakwal PP, Chavasith V, Kosylwat, Yamborisut, Pongcharoen T, Sranacharoenpong K. Nutrition Policy and Activities: Research Project for Healthy Thais (Food and nutrition group). Report for National Research Council of Thailand, 2003.

## In English

1. Sirichakwal PP, Puwastien P. Key food nutrients of papaya. Section II. Papaya Consensus Document for Organization for Economic Co-operation and Development (OECD). Series on the Safety of Novel Foods and Feeds. Contract of Biotechnology, January 2006.
2. Poly O, Sirichakwal P. Folate. *In*: Recommended Dietary Allowance (RDA). Harmonization in Southeast Asia. International Life Sciences Institute, Southeast Asia Region. Monograph Series, 2005.
3. Sirichakwal PP. Developing Dietary Guidelines: Experiences from Thailand. Paper for FAO/WHO Inter-country Technical Consultation On National Food-Based Dietary Guidelines. 6-9 December, 2004 at Cairo, Egypt.
4. Sirichakwal PP, Yamborisut U, Charoenbutra. Lysine intake and nutritional status of preschool children at Nam-Khun subdistrict Ubon Ratchathani province. Report submitted to Ajinomoto Sales (Thailand) Co. Ltd., 2000.
5. Tontisirin K, Sirichakwal PP. Nutrient requirements and dietary guidelines: Thailand Experiences. Proceeding, 1<sup>st</sup> ASIAN Conference on Dietetics. Oct. 2-5, 1994.
6. Puwastien P, Sirichakwal PP, Sungpuag P, Kongkachuichai R. Systematic development of trace element data of common Thai foods. Proceedings of 6<sup>th</sup> Asian Congress of Nutrition. p 497-511, 1992.
7. Srianujata S, Valyasevi A, Sirichakwal PP. Daily Dietary Intake of Nutritionally Important Trace Element in Thailand. Working paper for the third PCM on Coordinated Research Programme on Human Daily Dietary Intake of Nutritionally Important Trace Elements as measured by Nuclear and Other Techniques. Report: Kona, Hawaii, USA. April 6-11, 1987.
8. Srianujata S, Valyasevi A, Sirichakwal PP. Daily Dietary Intake of Nutritionally Important

Trace Element in Thailand. Working paper for PCM on coordinated Research Programme on Human Daily Dietary Intake of Nutritionally Important Trace Elements. Report: Vienna, Austria. April 14-18, 1986.

**Research Experiences:**

1. Food-based dietary guidelines in healthy Thais and elderly
2. Nutrition Labeling and signpost
3. Milk and milk product in human nutrition (H<sub>2</sub> Breath Test)
4. Selenium, calcium, iron and zinc nutrition (Stable isotope and radioisotope labeling)
5. Nutritional status and nutrient intake in vegetarian
6. Glycemic index of foods (fruits and rice)- human study
7. Breakfast and snack consumption in school children