



# Curriculum Vitae

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

**Name** Kemika Praengam  
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**Email Address** : kemika.pra@mahidol.ac.th

**Current positions** : Researcher

## Education

- M.Sc. (Food and Nutrition Toxicology), Institute of Nutrition, Mahidol University, Thailand
- B.Sc. (Medical Science), Burapha University, Thailand

## Training

- 2013 The care and basic techniques for laboratory animals workshop, National laboratory animal center, Mahidol university, *Thailand*.
- 2014 Statistic of animal research for experimentation, Office of National Research Council of Thailand, *Thailand*.
- 2015 การวิเคราะห์สถิติสำหรับผลงานวิจัยด้วย SPSS ในวันที่ 25-26 สิงหาคม 2558 ที่คณะวิทยาศาสตร์ (พญาไท)

## Research Interest and Expertise

1. Determination of biological function of phytochemicals from vegetables and fruits by using cell culture model
2. Cell protein analysis by Immunoblotting

## Publications

### International Level

1. Kemika P, Yuraporn S, Piengchai K, Siriwan S, Wanwisa S, Anudep R, Kasem R, Pornpimon A, Khaimuk C, Wuttichai M, Sithichoke T and Siriporn T. Brown rice and retrograded brown rice alleviate inflammatory response in dextran sulfate sodium (DSS)-induced colitis mice. *Food and Function*. 2017; 8:4630-4643.
2. Dunyaporn T, Chaowanee C, Siriporn T, Lilly P, Kobporn B, Kemika P, Chadamas P and Chalut S. Drinking fermented milk containing *Lactobacillus paracasei* 431 (IMULUSTM) improves immune response against H1N1 and cross-reactive H3N2 viruses after influenza vaccination: A pilot randomized tripleblinded placebo controlled trial. *Journal of Functional Foods*. 2017; 33: 1–10.
3. Kemika P, Chawanphat M, Somsri C, Parunya T and Siriporn T. Antioxidant and anti-inflammatory activity of aqueous fraction from *Albizia lebeck* leaves. *Inter Food Res J*. 2017; 24(3).
4. Pimjai C, Chawanphat M, Kemika P and Siriporn T. Antioxidant and anti-inflammatory activities of durian and rambutan pulp extract. *Inter Food Res J*. 2016; 23(3): 939-947.
5. Siriporn T, Chawanphat M, Parunya T, Warangkana S, Somsri C and Kemika P. A bioaccessible fraction of parboiled germinated brown rice exhibits a higher anti-inflammatory activity than that of brown rice. *Food & Function*. 2015; 6(5): 1480-8.
6. Kemika P, Chawanphat M, Suwicha D, Monvirin A, Siriporn T. Digested *Moringa oleifera* boiled pod exhibits anti-inflammatory activity in Caco-2 cells. *Journal of Herbs, Spices & Medicinal Plants*. 2015; 21: 148-160.



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7. Pannaros S, Wantanee K, Kanokrat N, Chawanphat M, Pimjai C, Kemika P, Siriporn T. Anti-inflammatory activities of digested green curry paste in peripheral blood mononuclear cells from rheumatoid arthritis patients; *Malaysian Journal of Nutrition*. 2014; 20(2): 271-282.
8. Suwittha D, Chawanphat M, Phawachaya P, Siriporn T. Anti-inflammatory activity of bioaccessible fraction from *eryngium foetidum* leaves. *Journal BioMed Research International*. 2013; Article number 958567.
9. Somsri C, Channarong M, Pimjai C, Phawachaya P, Siriporn T, Saovaros S. Stir-Fry Chicken with Green Curry Suppresses Inflammatory Gene Expression by Lipopolysaccharide-Induced Murine Macrophages. *Journal Food and Nutrition Sciences*. 2011; 2: 770-779.
10. Channarong M, Pimjai C, Phawachaya P, Saovaros S, Siriporn T. *Moringa oleifera* Pod Inhibits Inflammatory Mediator Production by Lipopolysaccharide-Stimulated RAW 264.7 Murine Macrophage Cell Lines. *Journal Inflammation*. 2011; 35 (2): 445-455.
11. Siriporn T, Channarong M, Pimjai C, Montira P, Pranom C, Somsri C, Saovaros S. Anti-inflammatory activities of red curry paste extract on lipopolysaccharide-activated murine macrophage cell line. *Journal Nutrition*; 2011; 27: 479-487.
12. Montira P, Kunchit J, Songsak S, Sitima J, Sirinart L, Arporn B. Study of nutrients and toxic minerals in rice and legumes by instrumental neutron activation analysis and graphite furnace atomic absorption spectrophotometry. *Journal of Food Composition and Analysis*. 2010; 23: 340-345.

### Oral presentation

1. Kemika P, Nattapol T and Siriporn T. Assess tolerable daily resistant starch dose in fortified chocolate milk on gastrointestinal discomfort. The 11<sup>st</sup> Thai Congress of nutrition. 2017 Oct 10-12, Thailand.
2. Siriporn T, Pannaros S, Kanokrat N, Wantanee K and Kemika P. Simulated digestive green chili paste exhibits a greater anti-inflammatory effect than digested red chili paste. The 11<sup>st</sup> Thai Congress of nutrition. 2017 Oct 10-12, Thailand.
3. Kemika P, Yuraporn S, Piengchai K, Siriwan S, Wanwisa S, Kasem R and Siriporn T. Anti-colitis activity of cooked retrograded brown rice in dextran sodium sulfate-induced mice. The 10<sup>th</sup> Thai Congress of nutrition. 2016 Oct 18-20, Thailand.
4. Kemika P, Kansuda W, Somsri C, Siriporn T. Bioavailable fraction of germinated brown rice possess a greater anti-inflammatory effect than that of brown rice in human hepatocellular carcinoma cell line (HepG-2). The 9<sup>th</sup> Thai Congress of nutrition. 2015 Oct 21-23, Thailand.
5. Kemika P, Sitima J, Siriporn T. Effect of cooking method on food development for Thai elderly protects Caco-2 cells. The 8<sup>th</sup> Thai Congress of nutrition. 2014 Oct 6-8, Thailand.
6. Phawachaya P, Chawanphat M, Parunya T, Somsri C, Siriporn T. Bioaccessibility and cellular uptake of GABA and  $\gamma$ -oryzanol from digested cooked brown rice and parboiled geminated brown rice in intestinal-like Caco-2 cell. The 7<sup>th</sup> Thailand Congress of Nutrition. 2013 Oct 7-9, Thailand.

### Poster presentation

1. Siriporn T, Yuraporn S, Kemika P, Somsri C, Piengchai K, Siriwan S, Wanwisa S, Kasem R and Pormpimon A. Cooked parboiled germinated brown rice suppresses colitis in dextran sodium sulfate-induced mice. The 10<sup>th</sup> Thai Congress of nutrition. 2016 Oct 18-20,



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2. Siriporn T, Pimjai C, Kemika P. Antioxidant and anti-inflammatory activities of extract from durian and rambutan pulp. The 9<sup>th</sup> Thai Congress of nutrition. 2015 Oct 21-23, Thailand.
  3. Kemika P, Kansuda W, Chawanphat M, Somsri C, Siriporn T. Digested parboiled germinated brown rice exhibits anti-inflammatory and antioxidant activities higher than digested brown rice in cell culture models. The 4<sup>th</sup> International Rice Congress. 2014 Oct 29-31, Thailand.
  4. Kemika P, Chawanphat M, Kansuda W, Somsri C, Siriporn T. Digested parboiled germinated brown rice has higher potency to inhibit chemokine secretion by IL-1 $\beta$  activated Caco-2 cells than digested brown rice. The 8<sup>th</sup> Thai Congress of nutrition. 2014 Oct 6-8, Thailand.
  5. Kemika P, Sitima J, Somsri C, Visith C, Jintana Y, Siriporn T. Development of ethnic diets for good health of Thai elderly. NRU summit III: Prelude to world class University. 2014 Jul 31- Sep 1, Thailand.
  6. Kemika P, Chawanphat M, Parunya T, Somsri C, Siriporn T. Digested parboiled germinated brown rice exhibits higher anti-inflammatory activity than digested brown rice in IL-1 $\beta$  induced Caco-2 cell model. Food Innovation Asia Conference. 2014 Jun 12-13, Thailand.
  7. Siriporn T, Somsri C, Sitima J, Parunya T, Phawachaya P. Kang Liang decreases nitric oxide and reactive oxygen species produced by lipopolysaccharide-activated mouse macrophages. The 5<sup>th</sup> Thailand Congress of Nutrition. 2011 Sep 5-7, Thailand.
  8. Montira P, Pimjai C, Somsri C, Siriporn T. Effects of extracts from six Thai chili dip recipes on decreasing nitric oxide and reactive oxygen species producing by lipopolysaccharide-activated mouse macrophage cell lines. The 4<sup>th</sup> Thailand Congress of Nutrition. 2010 Sep 13-15, Thailand.

### Research Experiences

1. Instrumental neutron activation analysis
2. Graphite furnace atomic absorption spectrophotometry