

Name Aikkarach Kettawan
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Current positions : Assistant Professor
Deputy Director for Resources and Environment

Education

2007 Ph.D.(Pharmaceutical Sciences), Kobe Gakuin University, Japan
1999 M.Sc. (Food and Nutrition for Development), Mahidol University, Thailand
1992 B.Sc. (Health Sciences), Suansunanta Teacher College, Thailand
1990 Certificate (Medical Sciences), Siriraj Hospital, Mahidol University, Thailand

Honors and Awards

2016 Outstanding Teacher Award, Faculty Council, Institute of Nutrition, Mahidol University
2015 Gold Class Award (Excellence) for "Green Office Administration" of Institute of Nutrition, Mahidol University by The Ministry of Natural Resources and Environment
2014 Outstanding University Officer Award, Institute of Nutrition, Mahidol University, Thailand
2014 Honor Award for Petty Patent Receiver, Mahidol University, Thailand
2013 Outstanding University Officer Award, Institute of Nutrition, Mahidol University, Thailand
2013 Outstanding Performance and Dedication Award of Assessor for Testing Laboratories According to ISO/IEC 17025 : 2005, Department of Medical Sciences, Ministry of Public Health, Thailand
2009 -2013 President of Faculty Council, INMU
2012 Honor Pin, Mahidol University, Thailand (Defending Mahidol University from the Flood)
2012 Outstanding Performance and Dedication Award of Assessor for Testing Laboratories According to ISO/IEC 17025 : 2005, Department of Medical Sciences, Ministry of Public Health, Thailand
2012 Best Poster Presentation Award of The 35th Annual Conference of the Anatomy Association of Thailand (AAT 35)
2007 Best Oral Presentation Award of The 2nd Academic Meeting, Osaka, Japan
2007 Well-behaved Award, Royal Thai Consulate-General, Japan
2006 Best Presentation Award of TJSE 2006 (The 1st Thai-Japanese Students' Scientific Exchange Meeting), Osaka University, Osaka, Japan
2006 President of Thai Student Association in Japan Kansai, under Royal Patronage
2005 President of Thai Student Association in Kobe, Japan
2004 - 2006 Japanese Government (Monbukagakusho : MEXT) Scholarship for Ph.D. Study
2003 - 2005 Teaching Assistance Scholarship, Kobe Gakuin University, Japan
2000 Outstanding Poster Presentation Award, 120th Annual Meeting of the Pharmaceutical Society of Japan, Chubu, Gifu, Japan
1999 - 2000 Recipient of Visiting Research Fellowship Award, Kobe Gakuin University, Japan
1992 Outstanding Government Officer Award, Institute of Nutrition, Mahidol University, Thailand

Position

2013-present Assistant Professor
2008- 2012 Lecturer
2000 -2008 Researcher
1992 -1999 Research Assistant

Research Interest and Expertise

1. Food fortification, absorption, bioavailability and antioxidant capacity
2. Food composition analysis, antioxidant content analysis
3. Researches on Coenzyme Q10 in health and diseases prevention & treatment
4. Hypotensive, Hypocholesterolemic and Hypoglycemic effects of antioxidant and bioactive compounds such as CoQ10, Polyphenol, Flavonoids etc. (animal models)

National and International Committee

- 2013 – Present Executive Committee for Academic Affairs of Old Japanese Students' Association, Thailand (OJSAT) Under the Patronage of His Majesty the King
- 2012 – Present The committee of Medical Sciences Association of OJSAT
- 2009 - Present Technical Assessor Committee of Department of Medical Sciences, Ministry of Public Health of Thailand for the Laboratory Quality Standards Accreditation (ISO/IEC 17025:2005)
- 2008 - Present The committee of Japanese Government Scholarship Alumni
- 2007 – Present Senior Expert of Food and Drug Administration of Thailand (Thai FDA)

National and International Consultancy Positions

- 2007 - Present Consultancy on dietary supplement and bioactive compounds of Food and Drug Administration, Ministry of Public Health, Thailand

Publications :

National Level

1. Vasanchitt K, Kettawan A. Cholesterol content in Thai food and products. *Thai Journal of Cardio-Thoracic Nursing* 2014; 25(2): 105-119.
2. Kettawan A. Functional nutrient. *Functional Food*. 2009; 8(9): 20-2.
3. Kettawan A. Answer about chlorophyll. *Herb for Health*, 2009; 9(98).
4. Okamoto T, Kettawan A, Takahashi K, and Kishi T. Metabolism of Coenzyme Q10 in Human Body. *New Food Industry*, 2003; 45(7):11-18.
5. Kettawan A. Chicken bone calcium extraction and its application as a food fortificant. *Journal of National Research Council Thailand*, 2002, 34 (2):163-180.(in English)
6. Kettawan A. CoQ10 and health. *Food*. 2001; 31(2):135-42.
7. Kettawan A. What is CoQ10? *Gourmet & Cuisine*. 2001:36-7.
8. Okamoto T, Kettawan A, Takahashi T, Kishi T. Breakthrough of biofactors 'study : ubiquinone, (4) pharmacological and clinical effects of ubiquinone. *Journal of Vitamin (Japan)*. 2001; 75(5-6): 283-90.
9. Chitchumroonchokchai C, Judprasong K, Kettawan A. Comparative nutrient profile of western and Thai fast foods. *Mahidol Journal*. 2000; 7(2):91-5.(in English)
10. Judprasong K, Kettawan A, Vasanchitt K, Nakngamanong Y, Puwastien P. Macro-Element content in commonly consumed fish. *Food*. 1999; 29(2):116-25.
11. Chitchumroonchokchai C, Judprasong K, Kettawan A. Nutritive values of fast food : main nutrients. *Food*. 1992; 22:31-6.

International Level

1. Wunjuntuk K, Kettawan A, Charoenkiatkul S, Rungruang T. Parboiled Germinated Brown Rice Protects Against CCl4-induced Oxidative Stress and Liver Injury in Rats. *Journal of Medicinal Food* 2016; 19 (1): 15-23.
2. Prangthip P, Kettawan A, Posuwan J, Okuno M & Okamoto T. An Improvement of Oxidative Stress in Diabetic Rats by Ubiquinone-10 and Ubiquinol-10 and Bioavailability after Short and Long-Term Coenzyme Q10 Supplementation. *Journal of Dietary Supplements* 2016; 1-13. DOI: 10.3109/19390211.2016.1164788.
3. Wunjuntuk K, Kettawan A, Rungruang T, Charoenkiatkul S. Anti-fibrotic and anti-inflammatory effects of Parboiled germinated brown rice (*Oryza Sativa* 'KDML 105') in rats with induced liver fibrosis. *Journal of Functional Food* 2016. (submitted)
4. Tonglim J, Kittibunchakul S, Kriengsinoyos W, Kettawan A and Suttisansanee U. Comparative Study on Anti-hypertension Potential of Thai Herbal Tea and Conventional Tea (*Camellia sinensis*). *Agricultural Sci J* 2015; 46(3) (Suppl): 13-16.
5. Kettawan A, Rattanajak B, Chompoopong S, Rungruang T. Germinated Brown Rice Affects on Carbon Tetrachloride Induced Cardiotoxicity in Heart of Experimental Rats. *Journal of Microscopy Society of Thailand* 2014; 28 (1): 5-8.
6. Varinthra P, Kettawan A, Rungruang T, Chompoopong S. Neuronal Apoptosis caused by

- Carbon Tetrachloride in Rats. *Journal of Microscopy Society of Thailand* 2014; 28 (1): 47- 50.
7. Sunan R, Kettawan A, Taechowisan T, Rungruang T, Chompoopong S. Serum Tumor Necrosis Factor-alpha and Neuronal Cell Death decreased by Germinated Brown Rice in Rats. *Journal of Microscopy Society of Thailand* 2014; 28 (1): 51-55.
 8. Rungruang T, Phisutseranee P, Kettawan A, Chompoopong S. Germinated Brown Rice is potentially a Candidate for Treatment of Nephrotoxicity Induced by Carbon Tetrachloride in Experimental Rats. *Journal of Microscopy Society of Thailand* 2014; 28 (1): 17-20.
 9. Kringkasemsee A, Sukakul T, Kettawan A and Rungruang T. Topical application of *Dimocarpus longan* peel extract reduces skin inflammation in croton oil-induced dermatitis in mouse model. *Siriraj Med J* 2014; 66(6): S130-134.
 10. Rungruang T, Sukakul T, Kettawan A and Kringkasemsee A. Topical application of *Ramnutan (Nephelium lappaceum)* rind extract reduces skin inflammation in croton oil-induced dermatitis in mouse model. *Siriraj Med J* 2014; 66(6): S135-139.
 11. Sukakul T, Kettawan A, Chompoopong S and Rungruang T. Topical application of *Terminalia chebula* extract helps croton oil-induced dermatitis in mice. *Int Food Res J* 2013; 20(5): 2269-2272.
 12. Rungruang T, Kaewkongkwan Y, Sukakul T, Kettawan A, Chompoopong S and Boonmars T. The effect of Vitamin C on morphology and histology of liver and spleen of *Plasmodium*-infected mice. *Int Food Res J* 2013; 20(4): 1639-1643.
 13. Kongkachuichai, R., Prangthip, P., Surasiang, R., Posuwan, J., Charoensiri, R., Kettawan, A. and Vanavichit, A. Effect of Riceberry oil (deep purple oil; *Oryza sativa Indica*) supplementation on hyperglycemia and change in lipid profile in Streptozotocin (STZ)-induced diabetic rats fed a high fat diet. *International Food Research Journal* 2013; 20(2): 873-882.
 14. Prangthip P, Charoenkiatkul S, Kettawan A, Okuno M, Okamoto T. Thai red curry paste lowers glucose, oxidative stress and insulin levels in type II diabetic rats. *International Food Research Journal* 2012; 19(2): 623-627
 15. Kettawan A, Charoenkiatkul S, Rungruang T, Tancharoen. Bioactive compounds of Thai red Hot Chili Dip (Nam Prik Ta Dang) and effects on antioxidant activities and lipid peroxidation in rats (*in vitro* and *in vivo* models). *Siriraj Med J* 2012; 64: S82-85.
 16. Kettawan A, Wongsansri K, Rungruang T, Antioxidant and antiplasmodial activities of *Curcuma Longa* and *Aegle Marmelos* on malaria infected mice. *Siriraj Med J* 2012; 64: S78-81.
 17. Asano N, Obatake-Ikeda K, Higashi Y, Kaji A, Kato A, Adachi I, Kettawan, A, Okamoto T et al. Protective effect of the *Sasa* extract against endothelial dysfunction by hyperglycemia-induced oxidative stress. *J Trad Med* 2012; 29(3): 124-136.
 18. Kettawan A, Chanlekha K, Kongkachuichai R and Charoensiri R. The effect of cooking on antioxidant activities and polyphenol content of edible mushrooms commonly consumed in Thailand. *Pak J Nutr* 2011; 10 (11): 1094-1103.
 19. Chaweeborisuit P, Rungruang T, Kettawan A and Boonmars T. Long term dexamethasone administration affects morphological and histological changes of plasmodium yoelii-infected ICR-mice livers. *Siriraj Med J* 2009; 61: 1-4.
 20. Nukui K, Yamagishi T, Miyawaki H, Kettawan A, Okamoto T, Belardinelli R, Tiano L, Littarru GP, Sato K. Blood CoQ10 levels and safety profile after single-dose or chronic administration of PureSorb-Q40: animal and human studies. *Biofactors*. 2008; 32 (1-4):209-19.
 21. Minami Y, Kuriyama C, Ikeda K, Kato A, Takebayashi K, Adachi I, Fleet G, Kettawan A, Okamoto T, and Asano N. Effect of five-membered sugar mimics on mammalian glycogen-degrading enzymes and various glucosidases. *Bioorg Med Chem*. 2008, 16:2734-2740.
 22. Kettawan A, Chitsopa K, Takahashi T, Kishi T, Chikazawa J, Sakata Y, Yano E, Watabe K, Yamamoto Y, and Okamoto T. The Quality Control Assessment of Commercially Available Coenzyme Q10- Containing Dietary and Health Supplements. *J Clin Biochem Nutr*. 2007; 41(2):124-131.
 23. Kettawan A, Takahashi T, Kongkachuichai R, Charoenkiatkul S, Kishi T, and Okamoto T. Protective effects of coenzyme Q10 on decreased oxidative stress resistance induced by Simvastatin. *Journal of Clinical Biochemistry and Nutrition*. 2007, 40(2):194-202.
 24. Nukui K, Yamagishi T, Miyawaki H, Kettawan A, Okamoto T and Sato K. Comparison of

- uptake between puresorb-QTM40 and regular hydrophobic coenzyme Q10 in rats and humans after single oral intake. *J Nutr Sci Vitaminol.* 2007, 53: 187-90.
25. Asano N, Yamauchi T, Kagamifuchi K, Shimizu N, Takahashi S, Takatsuka H, Ikeda K, Kizu H, Chuakul W, Kettawan A, Okamoto T. Iminosugar-producing Thai medicinal plants. *J Nat Prod* 2005; 68(8): 1238-42.
 26. Okamoto T. and Kettawan A. Effectiveness of Coenzyme Q10 on Medicinal and Health Sciences. *Fragrance Journal.* 2005; 8: 28-34.
 27. Puwastien P, Judprasong K, Kettawan A, Vasanachitt K, Nakngamanong Y, Bhattacharjee L. Proximate composition of raw and cooked Thai freshwater and marine fish. *J Food Compost Anal.* 1999; 12(1): 9-16.

Oral presentation

1. Punbanlaem T, Kettawan A, Rungruang T, Chompoopong S. Rotenone Causes Neurodegeneration in the Striatum and Substantia Nigra in Rats. Proceeding in 38th the Anatomy Association of Thailand (AAT Annual Conference) June 24-26, 2015 at Royal Cruise Hotel, Pattaya, Chonburi, Thailand.
2. Sunan R, Varinthra P, Kettawan A, Taecchowisan T, Rungruang T and Chompoopong S. The effect of germinated brown rice on serum tumor necrosis factor-alpha (TNF-alpha) and neuronal cell death in rats". The 31st Annual Conference of the Microscopy Society of Thailand (MST31), January 29-31, 2014 at The Greenery Resort, Khao Yai, Nakhonratchasima province, Thailand (Proceeding).
3. Kettawan A. Reduced coenzyme Q10 prevents several kinds of chronic diseases. Invited speaker in Workshop on Asian Seminar. December 7, 2013, Nakamura Gakuen University, Fukuoka, Japan.
4. Kettawan A. The health benefits of Thai foods. Invited speaker in 6th Thailand-Japan International Academic Conference. November 9, 2013. Osaka, Japan.
5. Kettawan A. Natural antioxidant from Thai food: The protective effects of "Nam Prik Ta Dang" (red hot chili dip) in oxidative stress resistance and anti-inflammation (in vivo). Invited speaker in Food Ingredients Asia Conference 2013 : Meeting the global challenges on development of functional food ingredients. September 12-13, 2013, BITEC, Bangkok, Thailand
6. Kettawan A. The importance and research on QH (reduced form of Q10) in health, diseases and anti-aging. Invited speaker in the seminar of Ubiquinol (QH), a Reduced Form of Coenzyme Q10: Valuable Food Supplement. August 5, 2013, Chemico Inter, Bangkok, Thailand.
7. Kettawan A. The process of calcium extraction from chicken bone and its application in foods. Mahidol University Research Expo 2012: Mahidol University Research Toward ASEAN Community. October 31– November 1, 2012, Mahidol Learning Center, Mahidol University, Nakhon Patom, Thailand.
8. Kettawan A. The significance and health benefits of antioxidant Coenzyme Q10. The 2nd International Conference of Life Sciences, Brawijaya University 2012, "Prospective and Contribution of Life Sciences for Better Life". July 14 – 16, 2012, Panderman Convention Hall, Royal Orchids Garden Hotel, Malang, East Java, Indonesia.
9. Promsuban C, Kettawan A, Chompoopong S, Sukakul T, Taechowisan T, Rungruang T. The effects of *Terminalia chebula* Retz. on parasite infection and histology of malaria infected mice livers. The 35th Annual Conference of the Anatomy Association of Thailand (AAT 35), May 2-4, 2012, River City Hotel, Mukdahan, Thailand.
10. Charoenkiatkul S, Judprasong K, Thiyajai P, Sukprasansap M, Kettawan A. Nutrients, phytochemical contents and antioxidant activities of young shoot with leaves, flowers and fruits of *Melientha suavis* Pierre. The 5th Plant Genetic Conservation Project initiated by Her Royal Highness Princess Maha Chakri Sirindhorn, November 3-5, 2011, Rajamangala University of Technology Isan, Nakhon Ratchasima, Thailand.
11. Kuewdum K, Kettawan A, Kongkachuichai R, Charoensiri R, Okamoto T. The content of coenzyme Q10 in selected Thai food; meat products, vegetables, fruits, seeds, legumes, and spices. The 8th Food Database Conference (8-IFDC), October 1-3, 2009, Asia Hotel, Bangkok, Thailand.
12. Kettawan A. UV-B irradiation induced skin fibroblast cell injuries and protective effect of exogenous coenzyme Q10. The International Symposium on Health Innovations, 3- 4

- November 2008. BITEC, Bangkok, Thailand.
13. Kettawan A, Chitsopa K, Okuno M, Takahashi T, Kongkachuichai R, Sungpuag P, Kishi T, Okamoto T. Protective effects of coenzyme Q10 against oxidative stress induced by aerobic exercise. The 5th Conference of the International Coenzyme Q10 Association, 9-12 November 2007 (Invited Speaker), Portopia Hotel, Kobe, Japan.
 14. Kettawan A. Effects of coenzyme Q10 administration on oxidative damages resistance of human skin cell induced by UV-B irradiation. The 2nd Thai-Japanese Academic Exchange Meeting, November 2-3, 2007, Osaka University, Osaka, Japan.
 15. Okamoto T, Kettawan A, Chitsopa K, Okuno M. Distribution of reduced form of coenzyme Q homologues in dietary foods and health supplements. The 5th Conference of the International Coenzyme Q10 Association, November 9-12, 2007, Portopia Hotel, Kobe, Japan.
 16. Nukui K, Yamagishi T, Miyawaki H, Kettawan A, Okamoto T, Sato K. Comparison of uptake between puresorb-Q40 and regular hydrophobic coenzyme Q10 in rats and humans. The 5th Conference of the International Coenzyme Q10 Association, November 9-12, 2007, Portopia Hotel, Kobe, Japan.
 17. Kettawan A, Takahashi T, Okamoto T, Kishi T. Quality control of coenzyme Q10 containing nutritional supplements. The 4th Conference of the International Coenzyme Q10 Association, April 14-17, 2005, The Beverly Hilton Hotel, Beverly Hills, Los Angeles, USA.
 18. Okamoto T, Kettawan A. Effectiveness of Coenzyme Q10 on Medicinal and Health Sciences. The 3rd Conference of the International Coenzyme Q10 Association, November 22-24, 2002, London, UK.
 19. Kettawan A, Okamoto T, Takayuki T and Kishi T. The coenzyme Q10 administration on oxidative stress rats induced by a cholesterol lowering drug. The 2nd Conference of the International Coenzyme Q10 Association, December 1-3, 2000, Frankfurt, Germany.
 20. Kettawan A, Okamoto T, Takayuki T and Kishi T. Coenzyme Q10 supplementation on impaired cardiac myocytes prevention induced by HMG- CoA reductase inhibitor. 120th Annual Research Meeting of the Pharmaceutical Society of Japan, March 29-31, 2000, Chubu, Gifu, Japan.

Poster

1. Wunjuntuk K, Kettawan A, Charoenkiatkul S. Parboiled germinated brown rice (*Oryzasativa* 'KDML 105') attenuates the liver necro-inflammation and fibrogenesis induced by carbon tetrachloride in rat. 12th Asian Congress of Nutrition (ACN), May 14–18, 2015 at Yokohama, Japan.
2. Tajasuwan L, Kettawan A, Chompoopong S, Rungruang T. Alpha Mangostin in *Garcinia Mangotana* Linn. could Suppress Ring Stage of Parasite and Reduce Haemozoin Congestion in Liver of Malarial Mouse Model. Proceeding in 38th the Anatomy Association of Thailand (AAT Annual Conference) June 24-26, 2015 at Royal Cruise Hotel, Pattaya, Chonburi, Thailand.
3. Srisook C, Kettawan A, Chompoopong S, Rungruang T. Green Tea Leaves Reduced 25 Percent Parasitemia and Decrease the Size of Liver and Significantly Reduce Henozoin in *P.yoelli* Infected Mice. Proceeding in 38th the Anatomy Association of Thailand (AAT Annual Conference) June 24-26, 2015 at Royal Cruise Hotel, Pattaya, Chonburi, Thailand.
4. Sanguanwong P, Rungruang T, Chompoopong S, Kettawan A. *Nephelium lampaceum* Peel Crude Extract is able to Suppress All Blood Stage and Help Turning Normal Size of Glomerulus in Malarial Mouse Model. Proceeding in 38th the Anatomy Association of Thailand (AAT Annual Conference) June 24-26, 2015 at Royal Cruise Hotel, Pattaya, Chonburi, Thailand.
5. Sirirat W, Rungruang T, Chompoopong S, Kettawan A. Longan (*Dimocarpus longan* Lour.) Peel Extract is able to Reduce Percent Parasitemia in the Dose Dependent Manner in Malarial Mouse Model. Proceeding in 38th the Anatomy Association of Thailand (AAT Annual Conference) June 24-26, 2015 at Royal Cruise Hotel, Pattaya, Chonburi, Thailand.
6. Kaewmuang P, Rungruang T, Chompoopong S, Kettawan A. *Lycium barbarum* L. Fruit

- Extract Clears Blood Stage of Parasite with Norecrudescent in Malarial Mouse Model. Proceeding in 38th the Anatomy Association of Thailand (AAT Annual Conference) June 24-26, 2015 at Royal Cruise Hotel, Pattaya, Chonburi, Thailand.
7. Phisutseranee P, Kettawan A, Chompoopong S and Rungruang T. The morphological and histological effects of germinated brown rice on carbon tetrachloride induced nephrotoxicity in rats" The 31st Annual Conference of the Microscopy Society of Thailand (MST31) 2014, January 29-31, 2014 at The Greenery Resort, Khao Yai, Nakhonratchasima province, Thailand (Proceeding).
 8. Rattanajak B, Kettawan A, Chompoopong S and Rungruang T. Effects of germinated brown rice on carbon tetrachloride induced cardiotoxicity in heart rats" The 31st Annual Conference of the Microscopy Society of Thailand (MST31), January 29-31, 2014 at The Greenery Resort, Khao Yai, Nakhonratchasima province, Thailand (Proceeding).
 9. Vanichchakornpong L, Kettawan A, Chompoopong S and Rungruang T. The morphological and histological changes of cells after germinated brown rice treatment in CCl₄ induced injury rats" The 31st Annual Conference of the Microscopy Society of Thailand (MST31), January 29-31, 2014 at The Greenery Resort, Khao Yai, Nakhonratchasima province, Thailand (Proceeding).
 10. Suebwong J, Kettawan A, Nitithamyong A. Development of Thai snack from germinated brown rice". The 16th Food Innovation Asia Conference 2014, June 12-13, 2014 at BITEC, Bangna, Bangkok, Thailand (Proceeding).
 11. Tonglim J, Kriengsinyos W, Kettawan A and Suttisansanee U. Antioxidant activities, total phenolic contents and anti-glycation properties of Thai herbal teas in comparison to conventional teas. 1st Joint ACS AGFD-ACS ICSCT Symposium on Agricultural and Food Chemistry which is being held on March 4-5, 2014 at the Montien Riverside Hotel, Bangkok, Thailand. March 4-5, 2014, the Montien Riverside Hotel, Bangkok, Thailand.
 12. Thiyajai P, Saetang P, Chimkoet C, Judprasong K, Kettawan A, Naivikul O, Boonsupthip W, Charoenkiatkul S. Parboiled germinated brown rice flour as a potential functional food ingredient: Changes of bioactive components and antioxidant activities after heat treatment. 17th World Congress of Food Science and Technology & Expo โดย International Union of Food Science and Technology (IUFost) and Canadian Institute of Food Science & Technology (CIFST), August 17 - 21, 2014, Palais des congrès de Montréal, Canada.
 13. Kettawan A, Plathong K, Charoenkiatkul S. Parboiled germinated brown rice decreased inflammation against carbon tetrachloride (CCl₄) – induced inflammation in rats. Proceeding of The 6th Thailand-Japan International Academic Conference (TJIA 2013), November 9th, 2013, Osaka University, Suita, Osaka, Japan
 14. Janwitthayanuchit K, Kupradinun P, Rungsipipat A, Kettawan A, Butryee C. Toxicity study of "Culantro leaves" on hematology, biochemistry and kidney histopathology in mice. The 13th International Congress of Toxicology, June 30-July 4, 2013, Seoul, Korea.
 15. Thiyajai P, Charoenkiatkul S, Sukprasansap M, Kettawan A, Judprasong K. Nutrient compositions and bioactive components of young shoot and leaves of *Albizia lebbek* (L.) Benth. 6th Plant Genetic Conservation Project initiated by Her Royal Highness Princess Maha Chakri Sirindhorn (6th RSPG); 2013 Dec 21-23; Kanchanaburi, Thailand.
 16. Kettawan A, Jirawongsy M, Sungpuag P, Okamoto T. The quality control assessment of commercially available coenzyme Q10 containing dietary supplements in Thailand. The 7th Conference of the International Coenzyme Q10 Association, November 8 - 11, 2012, Sevilla, Spain.
 17. Kettawan A, Charoenkiatkul S, Tancharoen S. Effects of Nam Prik Ta Daeng on antioxidant activity, lipid peroxidation resistance and anti-inflammation in rats. Mahidol University Research Expo 2012: Mahidol University Research Toward ASEAN Community. October 31– November 1, 2012, Mahidol Learning Center, Mahidol University, Nakhon Patom, Thailand.
 18. Charoenkiatkul S, Kettawan A, Judprasong K, Jittinandana S. Total phenolic compounds and antioxidant properties of popular Thai curry pastes and dishes. Mahidol University Research Expo 2012: Mahidol University Research Toward ASEAN Community. October 31– November 1, 2012, Mahidol Learning Center, Mahidol University, Nakhon Patom, Thailand.
 19. Songsaigath S, Kettawan A, Chompoopong S, Sukakul T, Taechowisan T, Rungruang T. The effect of CoQ10 on histology of *Plasmodium yoelii* 17 XL infected – mice livers. The 35th Annual Conference of the Anatomy Association of Thailand (AAT 35), May 2-4,

- 2012, River City Hotel, Mukdahan, Thailand.
20. Charoenkiatkul S, Kettawan A, Judprasong K, Jittinandana S. Total phenolic compounds and antioxidant properties of popular Thai curry pastes and dishes. Mahidol University Research Expo 2012: Mahidol University Research Toward ASEAN Community. October 31– November 1, 2012, Mahidol Learning Center, Mahidol University, Nakhon Patom, Thailand.
 21. Songsaigath S, Kettawan A, Chompoopong S, Sukakul T, Taechowisan T, Rungruang T. The effect of CoQ10 on histology of Plasmodium yoelii 17 XL infected – mice livers. The 35th Annual Conference of the Anatomy Association of Thailand (AAT 35), May 2-4, 2012, River City Hotel, Mukdahan, Thailand.
 22. Tonglim J, Suttisansanee U, Kriengsinyos W, Kettawan A. Antioxidant activities of Thai herbal teas in comparison to conventional teas (*Camellia sinensis*). The 2nd ThaiPHEIN Graduate Studies Conference 2012, September 20, Faculty of Public Health, Mahidol University, Thailand.
 23. Thorsuwan S, Kettawan A, Chompoopong S, Sukakul T, Taechowisan T, Rungruang T. The effects of *Houttuynia cordata* Thunb. On histology of malaria infected –mice livers. The 35th Annual Conference of the Anatomy Association of Thailand (AAT 35), May 2-4, 2012, River City Hotel, Mukdahan, Thailand.
 24. Sahia S, Kettawan A, Chompoopong S, Sukakul T, Taechowisan T, Rungruang T. The effect of *Eryngium foetidum* on parasite infection resistance, morphology and histology of malaria infected – mice livers. The 35th Annual Conference of the Anatomy Association of Thailand (AAT 35), May 2-4, 2012, River City Hotel, Mukdahan, Thailand
 25. Kaewkongkwan Y, Boonmars T, Kettawan A, Chompoopong S, Sukakul T, Taechowisan T, Rungruang T. The effect of vitamin C on parasite infection and histology of malaria infected-mice spleen. The 35th Annual Conference of the Anatomy Association of Thailand (AAT 35), May 2-4, 2012, River City Hotel, Mukdahan, Thailand.
 26. Kringkasemsee A, Ratasuk N, Kettawan A. Polyphenol contents and antioxidant activities in peel and seed of Thai fruits. Payap University Research Symposium 2012, February 17, 2012, Payap University, Chiangmai, Thailand.
 27. Kaewkongkwan Y, Boonmars T, Chompoopong S, Kettawan A, Rungruang T. Histological changes of plasmodium yoelii infected - ICR mice spleen after vitamin c consumption. The 29th MST Annual Conference, January 30 - February 1, 2012, Cha-am, Phetchaburi, Thailand.
 28. Kettawan A, Charoenkiatkul S, Tancharoen S. Protective effect of Thai chili dip on oxidative stress status in rat induced by cigarette smoke inhalation. 5th International Conference on Polyphenols and Health, October 17-20, 2011, Sitges, Barcelona, Spain.
 29. Jaisubun W, Nitithamyong A, Kettawan A. Formulation of coenzyme q10-enriched fresh wheat noodles from Pak Wan-Ban (*Sauropus Androgynous* Merr.) and its antioxidant activity. The 5th Thailand Congress of Nutrition (5th TCN), September 5-7, 2011, BITEC, Bangkok, Thailand.
 30. Charoenkiatkul S, Judprasong K, Sukprasansup M, Thiyajai P, Kettawan A. Nutrients and bioactive compounds of indigenous fruits at a conservative area in Kanchanaburi, Thailand. 9th International Food Data Conference Food Composition (9-IFDC), September 14-17, 2011, NBI Conference Centre Norwich Research Park, Norwich, UK
 31. Sukprasansup M, Charoenkiatkul S, Judprasong K, Kangsadalampai K, Kettawan A, Thiyajai P. Inhibition of Urethane-induced Mutagenesis by Local Fruits Powder in *Drosophila melanogaster*. Food In the Future (FIF 2011), September 15-17, 2011, Queen Sirikit National Convention Center, Bangkok, Thailand.
 32. Kettawan A, Kengkoom K. The effects of *Sauropus Androgynus* (Linn.) Merr. consumption on serum and liver antioxidants and lipid peroxidation inhibition (in vivo). 5th Asian Congress of Dietetics, November 10-12, 2010, Imperial Queen's Park Hotel, Bangkok, Thailand.
 33. Kettawan A, Kengkoom K. Absorption and distribution of coenzyme Q10 from Pakwan-Ban (*Sauropus androgynus* Mer.) and antioxidant activities (in vivo). The 10th Academic Meeting of The Thailand Research Fund and Commission on Higher Education, October 14-16, 2010, Holiday Inn Resort Regent Beach Cha-am, Phetchaburi, Thailand.
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5. Antioxidant capacity of foods (*in vitro* and *in vivo*)
6. Development of methodology for Coenzyme Q10 analysis