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RESEACH FIELD

Health Professions (miscellaneous)

RESEARCH CLUSTER – CHULALONGKORN UNIVERSITY

Food and Economic Animals

RESEARCH INTEREST

Clinical Nutrition, Metabolic Syndrome, Diabetes Mellitus, Obesity

EDUCATION

2005 Doctor of Public Health (Nutrition), Loma Linda University, Loma Linda, United States
2000 Master of Sciences (Pharmacology), Chulalongkorn University, Bangkok, Thailand
1997 Bachelor of Sciences (Health Sciences), Thammasat University, Pathumthani, Thailand

TRAINING

Apr 2002 - Apr 2003 Clinical Dietitian, Loma Linda Medical Center Loma Linda ,
United States

PROFESSIONAL EXPERIENCE

2020 - Present Deputy Dean for Academic Affairs and Education, Faculty of Allied
Health Sciences, Chulalongkorn University

2011 - Present	BSc. Nutrition and Dietetics Curriculum, Chairperson Faculty of Allied Health Sciences, Chulalongkorn University
2011 - 2016	Nutrition and Dietetics Department, Head. Faculty of Allied Health Sciences, Chulalongkorn University
2010 - Present	PhD, MSc. in Food and Nutrition (International Program), Committee Faculty of Allied Health Sciences, Chulalongkorn University.
2005 - 2006	Clinical dietitian, San Bernardine Medical Center. California, USA

PUBLICATIONS

1. Saphyakhajorn W., Sirirat R., Sapwarobol S.. Effect of defatted rice bran supplementation on metabolic parameters and inflammatory status in overweight/obese adults with hypercholesterolemia: a randomized, placebo-controlled intervention. BMC Nutrition. 2022; 8(1);
2. Suwimol S., Pisit T., Anchalee A., Narisorn K., Jureeporn J.. Neck circumference as a screening measure for identifying NAFLD among a group of academic employees in Bangkok, Thailand. PLoS ONE. 2022; 17(2 February);
3. Astina J., Saphyakhajorn W., Borompichaichartkul C., Sapwarobol S.. Tapioca Resistant Maltodextrin as a Carbohydrate Source of Oral Nutrition Supplement (ONS) on Metabolic Indicators: A Clinical Trial. Nutrients. 2022; 14(5);
4. Kittibunchakul S., Hudthagosol C., Sanporkha P., Sapwarobol S., Temviriyankul P.. Evaluation of Sacha Inchi (*Plukenetia volubilis* L.) By-Products as Valuable and Sustainable Sources of Health Benefits. Horticulturae. 2022; 8(4);
5. Furangseroj T., Suteerajitrakool O., Hongvisitagul P., Chatchatee P., Suratannon N.,.....Sapwarobol S et al. Effects of Maternal Exclusion Diet for Infants Suspected Food Allergy on Fatty Acid Composition in Breast Milk. Breastfeeding Medicine. 2022; 17(7); 611-617.
6. Kittibunchakul S., Hudthagosol C., Sanporkha P., Sapwarobol S., Suttisansanee U.. Effects of Maturity and Thermal Treatment on Phenolic Profiles and In Vitro Health-Related Properties of Sacha Inchi Leaves. Plants. 2022; 11(11);
7. Sapwarobol S., Aiam-O-Ran J., Astina J.. Comparison of percentage excess weight loss and body composition after Roux-en-Y gastric bypass versus sleeve gastrectomy: A prospective study. F1000Research. 2022; 11;

8. Astina J., Borompichaichartkul C., Sapwarobol S.. Comparison of physicochemical and sensory evaluations of polymeric ons utilizing tapioca maltodextrin de7 or de19 as carbohydrate source. *Songklanakarin Journal of Science and Technology*. 2021; 43(2); 552-556.
9. Suwimol S., Hataichanok T.. Impact of a Novel Multicomponent Nutrition Program on Diet Consumption among Preschool Children. *Child Care in Practice*. 2021;
10. Prasetya G., Sapwarobol S.. Intermittent Fasting During Ramadan Improves Insulin Sensitivity and Anthropometric Parameters in Healthy Young Muslim Men. *AMERICAN JOURNAL OF LIFESTYLE MEDICINE*. 2021; 15(2); 200-206.
11. Sapwarobol S., Saphyakhajorn W., Astina J. Biological Functions and Activities of Rice Bran as a Functional Ingredient: A Review. *NUTRITION AND METABOLIC INSIGHTS*. 2021; 14;
12. Astina J., Sapwarobol S.. Attenuation of glycaemic and insulin responses following tapioca resistant maltodextrin consumption in healthy subjects: a randomised cross-over controlled trial. *JOURNAL OF NUTRITIONAL SCIENCE*. 2020; 9;
13. Astina J., Sapwarobol S.. Resistant Maltodextrin and Metabolic Syndrome: A Review. *Journal of the American College of Nutrition*. 2019; 38(4); 380-385.
14. Borvornparadorn M., Sapampai V., Champakerdsap C., Kurupakorn W., Sapwarobol S.. Increased chewing reduces energy intake, but not postprandial glucose and insulin, in healthy weight and overweight young adults. *NUTRITION || DIETETICS*. 2019; 76(1); 89-94.
15. Louangdouangsithidet S., Jiamjarasrangsi W., Sapwarobol S.. A risk scores for predicting prevalence of diabetes in the LAO population. *INTERNATIONAL JOURNAL OF DIABETES IN DEVELOPING COUNTRIES*. 2019; 39(1); 154-159.
16. Prasetya G, Sri Anna M, Sapwarobol S. . Adverse metabolic effects of dietary fructose. *Thai Bulletin of Pharmaceutical Sciences*. 2017; 12(1); 45-53.
17. Suksom D., Phanpheng Y., Soogarun S., Sapwarobol S.. Step aerobic combined with resistance training improves cutaneous microvascular reactivity in overweight women. *JOURNAL OF SPORTS MEDICINE AND PHYSICAL FITNESS*. 2015; 55(12); 1547-1554.
18. Sapwarobol S, Jiamjarasrangsi W, Wattanawiroon K, Jaritngam N, Hongsuwan P, Sathiensathidkun A. . Effects of Sesame Seeds Consumption on Serum Cholesterol and Oxidative Status in Hypercholesterolemia. *Food and Public Health* . 2012; 2(6); 193-196.

19. Sapwarobol S., Adisakwattana S., Changpeng S., Ratanawachirin W., Tanruttanawong K.. Postprandial blood glucose response to grape seed extract in healthy participants: A pilot study. PHARMACOGNOSY MAGAZINE. 2012; 8(31); 192-196.
20. Sapwarobol S, Luangcharoenkul P, Metavee A, Singlaw P, Seawsiri R, Jiamjarasrangsri W. . Impact of Fruit and Vegetables on Oxidative Status and Lipid Profiles in Healthy Individuals. Food and Public Health. 2012; 2(4); 113-118.
21. Sangsuthum S., Dahlan W., Sirikwanpong S., Sangvanich P., Sapwarobol S.. The influence of insulin resistance on very low-density lipoprotein proteome changes in type 2 diabetes after oral high-fat meal loading: A pilot study. Journal of Chemical and Pharmaceutical Research. 2011; 3(4); 257-269.
22. สุวิมล ทรัพย์วโรบล สิริชัย อติศักดิ์วัฒนา สถาพร งามอุโฆษ สุกฤต ศิริขวัญพงศ์ กิตติณ แม็คคีนีน . สารอาหารกับการเพิ่มสมรรถนะในการแข่งขัน. วารสารวิทยาศาสตร์และเทคโนโลยีการกีฬา. 2011; 12;7-14.
23. Adisakwattana S., Jiphimai P., Prutanopajai P., Chanathong B., Sapwarobol S.. Evaluation of alpha-glucosidase, alpha-amylase and protein glycation inhibitory activities of edible plants. INTERNATIONAL JOURNAL OF FOOD SCIENCES AND NUTRITION. 2010; 61(3); 295-305.
24. ยรรยงต์ พานเพ็ง สุพรรณ สุขอรุณ สุวิมล ทรัพย์วโรบล จรณวรรณ สุขสม. ผลของการฝึกเดินสเตปแอโรบิกร่วมกับการใช้แรงต้านที่มีต่อสุขสมรรถนะและระดับไขมันในเลือดในหญิงที่มีภาวะน้ำหนักเกิน. วารสารวิทยาศาสตร์และเทคโนโลยีการกีฬา . 2010; 10(1); 103-124.
25. Adisakwattana S., Moonrat J., Srichairat S., Chanasit C., Tirapongporn H.,.....Sapwarobol S et al. Lowering mechanisms of grape seed extract (*Vitis vinifera* L) and its antihyperlipidemic activity. JOURNAL OF MEDICINAL PLANTS RESEARCH. 2010; 4(20); 2113-2120.
26. Adisakwattana S., Jiphimai P., Prutanopajai P., Chanathong B., Sapwarobol S.. Evaluation of α -glucosidase, α -amylase and protein glycation inhibitory activities of edible plants. International Journal of Food Sciences and Nutrition. 2010; 61(3); 295-305.
27. Adisakwattana S., Moonrat J., Srichairat S., Chanasit C., Tirapongporn H.,.....Sapwarobol S et al. Lipid-lowering mechanisms of grape seed extract (*Vitis vinifera* L) and its antihyperlipidemic activity. Journal of Medicinal Plants Research. 2010; 4(20); 2113-2120.
28. สุวิมล ทรัพย์วโรบล วิโรจน์ เจียมจรัสรังษี . ความต้องการพลังงานและสารอาหาร ในผู้ป่วยวิกฤต. วารสารโภชนาบำบัด . 2009; 10(1); 2-7.

29. สุวิมล ทรัพย์วโรบล . ผลิตภัณฑ์เสริมอาหารเพื่อการลดน้ำหนัก. วารสารโภชนาการ . 2009; 44(3); 48-89.

CONFERENCE PAPERS

1. Burns-Whitmore B., Sapwarobol S., Haddad E., Sabate J., Rajaram S. N-3 fatty acid enriched egg decreases C-reactive protein in healthy adults. Experimental Biology 2007 Annual Meeting; FEDERATION AMER SOC EXP BIOL; 2007. A740-A740
2. Suksom D., Phanpheng Y., Soogarun S., Sapwarobol S.. Step aerobic combined with resistance training improves cutaneous microvascular reactivity in overweight women. Edizioni Minerva Medica; 2015. 1547-1554
3. Saphyakhajorn W., Sapwarobol S., Hudthagosol C., Suttisansanee U.. Effect of Defatted Rice Bran Powder Supplementation on Blood Glucose and Lipid Profile in Overweight and Obese Adults with Hypercholesterolemia. KARGER; 2019. 191-191
4. Astina J., Borompichaichartkul C., Sapwarobol S.. The Physicochemical Properties of Newly Developed Nutritionally Complete ONS Using Tapioca-Starch Maltodextrin De7 and De19. KARGER; 2019. 159-159
5. Sapwarobol S., Tirapongporn H., Kusonpatikarn B., Leenawattana P., Muangnak M.. United for Healthier Kids II (U4HK-II) a Multicomponent Nutrition Education Program Improve Nutrients Consumed among Preschool Children. KARGER; 2019. 365-365

MONOGRAPH

1. สุวิมล ทรัพย์วโรบล แพรว จันทรศีลปิ่น วรรณญา เตชะสุขถาวร. โภชนาการกับการควบคุม น้ำหนัก. 1. โภชนาการกับการควบคุมน้ำหนัก. สำนักพิมพ์จุฬาลงกรณ์: สำนักพิมพ์ จุฬาลงกรณ์; 2019.