

## ประวัตินักวิจัย (Biography)

**Name :** Yuttana Sudjaroen

### Education :

1999 B.Sc. in Medical Technology (Hon.),  
Faculty of Medical Technology, Mahidol University

2005 Ph.D. in Tropical Medicine (Biochemical Nutrition),  
Faculty of Tropical Medicine, Mahidol University  
[Thesis title: The isolation and characterization of phenolic  
antioxidants (potential cancer chemopreventive agents) in  
by-products of Tropical fruits from Thailand]

### Scholarship

1999-2003 Royal Golden Jubilee (RGJ) scholarship from  
Thailand Research Fund (TRF)

May-Dec 2001 DAAD 's scholarship from German Academic Exchange  
Service (DAAD), Germany

### Award :

The Most Attractive Poster Award : Consolation Prize, Joint  
International Tropical Medicine 2004, 29 Nov- 1 Dec 2004,  
Bangkok, Thailand

### Professional Experience :

Jan 2013-present Faculty member: Lecturer for Human Biochemistry,  
Nutrition, Immunology, Parasitology and medical  
sciences

June 2008- 2012 Faculty member and Deputy Dean for Associated  
Research and Academic Service, Faculty of Science and  
Technology,

Suan Sunandha Rajabhat University, Thailand

- Nov 2006- May 2008 Faculty member; teaching Clinical Chemistry, Blood Bank, Hematology, Clinical Microscopy and Laboratory Instruments, Faculty of Medical Technology, Rangsit University, Thailand.
- 1999-2005 Ph.D. student 's work

**Presentations:**

- Thompat W, Makasenkul J, Wongsuk T, Sudjaroen Y. Asymptomatic fecal carriage of bacteria in cafeteria workers nearby National Cancer Institute, Bangkok, Thailand. The 4<sup>th</sup> science research conference, 12-13 March 2012, Faculty of Science, Naresuan university, Phitsanulok (poster presentation)
- Sudjaroen Y. Screening for antimicrobial and antimalarial activities of Longan (*Dimocarpus longan* Lour) seeds. The 4<sup>th</sup> science research conference, 12-13 March 2012, Faculty of Science, Naresuan university, Phitsanulok (poster presentation)
- Sudjaroen Y. Antimalarial and cytotoxicity activities screening of methanolic extract from Rambutan (*Nephelium lappaceum* L.) seeds. The seventh indochina conference on pharmaceutical sciences (Pharma Indochina VII), 14-16 December 2011, Bangkok, Thailand (poster presentation)
- Sudjaroen Y, Lertcanawanichakul M, Chunglok W. Anticancer activity of litchi seed extract against human mouth carcinoma cell line. The 20<sup>th</sup> Thaksin university annual conference: Thai society development with creative research, 16-18 September 2010, Songkla, Thailand. (poster presentation)
- Sudjaroen Y, Owen R. The screening of antihypertensive and antioxidant activities of tropical fruit seeds. 58<sup>th</sup> International congress and annual meeting of society for medicinal plant and natural product research (GA), 29<sup>th</sup> August- 2<sup>nd</sup> September 2010, Berlin, Germany. (poster presentation)
- Sudjaroen Y, Owen RW. Antioxidant and antihypertensive activities of methanolic extract from Longan (*Euphoria longan* L.) seeds. The 32th AMTT Conference, Ambassador Hotel Jomtein, Pattaya, 7-9 May, 2008. (poster presentation)

- Sudjaroen Y. Antioxidant activities of methanol extract from skin and seeds of Litchi (*Litchi chinensis* Sonn.). oral presentation, 2nd RSU research conference, 3 April, 2008. (oral presentation)
- Sudjaroen Y, Thongmee A. Antibacterial activities of methanol extract from skin and seeds of Litchi (*Litchi chinensis* Sonn.) poster presentation, 2nd RSU research conference, 3 April, 2008. (poster presentation)
- Sudjaroen Y, Hull WE, Haubner R, Wuertele G, Spiegelhalder B, Changbumrung S, Bartsch H, Owen RW. Phenolic antioxidants in longan (*Euphoria longan* L.) seeds. Joint International Tropical Medicine Meeting 2004, Bangkok, Thailand. (oral presentation)
- Sudjaroen Y, Hull WE, Haubner R, Wuertele G, Spiegelhalder B, Changbumrung S, Bartsch H, Owen RW. Structure elucidation of phenolic antioxidants from Litchi (*Litchi Chinensis* Sonn.) skin and seeds. Joint International Tropical Medicine Meeting 2004, Bangkok, Thailand. (poster presentation)
- Sudjaroen Y, Hull WE, Haubner R, Wuertele G, Owen RW, Spiegelhalder B, Changbumrung S, Bartsch H. Isolation, structure elucidation, and antioxidant potential of chemopreventive agents in by-products of Thai fruits. RGJ-Ph.D. Congress V, 23-23 April 2004, Cholburi, Bangkok, Thailand. (poster presentation)
- Sudjaroen Y, Hull WE, Haubner R, Wuertele G, Spiegelhalder B, Changbumrung S, Bartsch H, Owen RW. Potential polyphenolic chemopreventive agents in Asian foods especially Thai fruit waste products. Symposium: Natural chemopreventive agent, Joint International Tropical Medicine Meeting 2003, Bangkok, Thailand. (oral presentation)
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### **Publications:**

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- Laisupasin P, Thompat W, Sukarayodhin S, Sornprom A, Sudjaroen Y. Comparison of Serum Lipid Profiles between Normal Controls and Breast Cancer Patients. *Journal of Laboratory Physicians* 2013; 5(1): in press.
- Sudjaroen Y. Screening for antimicrobial and antimalarial activities of longan (*Dimocarpus longan* Lour) seeds. *Scientific Research and Essays* 2013; 8(18): 718-21.

- Sudjaroen Y, Hull WE, Erben G, Wuertele G, Changbumrung S, Ulrich CM, Owen RW. Isolation and characterization of ellagitannins as the major polyphenolic components of Longan (*Dimocarpus longan* Lour) seeds. *Phytochemistry* 2012; 77: 226-37.
- Sudjaroen Y. Evaluation of ethnobotanical vegetables and herbs in Samut Songkram province. *Procedia Engineering* 2012; 32: 160-5.
- Sudjaroen Y, Owen R. The screening of antihypertensive and antioxidant activities of tropical fruit seeds. *Planta Medica* 2010; 76(12): 1228.
- Thongmuang P, Sudjaroen Y, Owen R. Antimicrobial activities of Longan (*Euphoria longan* L.) skin and seeds. *Planta Medica* 2010; 76(12): 1310.
- Thompat W, Makasen K, Sudjaroen Y. Microbial etiology and antimicrobial resistance of hospital acquired infection in cancer patients. *Thai Cancer Journal* 2010; 30(2): 68-76.
- Thompat W, Sudjaroen Y. Characterization and antibiotic susceptibility profile of nosocomial pathogens isolated from cancer patients. *Thai Cancer Journal* 2009; 29(4): 176-183.
- Changbumrung S, Sudjaroen Y, Owen RW, Hull WE, Haubner R, Bartsch H. Potential chemopreventive agents in Tropical fruit seeds. *Ann Nutr Metab* 2009; 55 (suppl 1): 80-81.
- Sudjaroen Y. Plant-derived phenolic antioxidants and cancer prevention. *Thai Cancer Journal* 2009; 29(3): 126-134.
- Sudjaroen Y. Antibacterial, antimalarial and cytotoxic activities screening of Methanolic extract from the seeds of Litchi (*Litchi chinensis* L.). *The Public health Journal of Burapha University* 2008; 3(2): 12-8.
- Sudjaroen Y. Phytochemicals and prevention of cardiovascular disease: potential roles for tropical and subtropical fruits. *The Public health Journal of Burapha University* 2008; 3(1): 48-55.
- Sudjaroen Y. Antihypertensive and antioxidant activities of methanol extract from Malva nut (*Scaphium scaphigerum*). *The Public health Journal of Burapha University* 2008; 3(1): 24-8.
- Sudjaroen Y. Antioxidant activities of methanol extract from Seeds of Tamarind (*Tamarindus indica* L.). *The Public health Journal of Burapha University* 2007; 2(2): 146-8.
- Sudjaroen Y, Hull WE, Haubner R, Wuertele G, Spiegelhalder B, Changbumrung S, Bartsch H, Owen RW. The isolation and structure elucidation of phenolic antioxidants from Tamrind (*Tamarindus indica* L.) seeds and pericarp. *Food and Chemical Toxicology* 2005; 43: 1673-82.

**Special Talk :**

“เมล็ดลำไย : ของเหลือทิ้งสู่สารป้องกันโรคมะเร็ง” เวทีเสวนา คปก. –สื่อมวลชน, 23-24 เมษายน 2547, การประชุมโครงการปริญญาเอกกาญจนาภิเษก (คปก.) ครั้งที่ 5 (RGJ-Ph.D. Congress V) พัทยา จ. ชลบุรี

**References:**

- Division Toxicology and Cancer Risk Factors, German Cancer Research Center, Im Neuenheimer Feld 280, D-69120 Heidelberg, Germany:

Professor Robert W. Owen, Ph.D. (+ 49-6221) 423317; [r.owen@dkfz-heidelberg.de](mailto:r.owen@dkfz-heidelberg.de)

- Department of Microbiology, Faculty of Science, Rangsit University, Pathumtani, 12000, Thailand:

Assistant Professor Acharawan Thongmee, Ph.D. (+ 662) 9972222 ext. 1472;

[athongmee@hotmail.com](mailto:athongmee@hotmail.com)

**Research technique proficiency:**

Enzymatic and antioxidant assays

Bioassays (*In vitro* tests)

Chemical separation and characterization: high performance liquid chromatography (HPLC), column chromatography, mass spectrometry, atomic absorption spectrometry (AAS), etc.

Biochemical determination: carbohydrate, lipid, protein, vitamin, etc.