

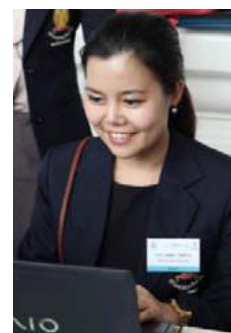
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## PROFESSIONAL PROFILE

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- 2010-present      **Lecturer/Researcher, at Department of Food Technology, Faculty of Science, Chulalongkorn University**

## EDUCATION

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- 2015 :              Summer School « **Human Olfaction** », **The University of Dresden Medical School, Dresden, Germany**
- 2010 :              **Ph.D. in Nutrition**, (Mention Très Honorable) **AgroParisTech**, Paris, France.
- 2007 :              **Diploma of Animal Experimentation**, level 1, **Ecole Nationale Vétérinaire de Nantes**, Nantes France.
- 2006 :              **Certificate of Socrates-ERASMUS Intensive Programme « Food and Consumer »** **Corvinus University**, Budapest, Hungary, and **Ghent University, Bruxelles, Gent, Belgium**
- 2004 :              **Master of Science in Biochemistry**, **Chulalongkorn University**, Bangkok, Thailand.
- 2002 :              **Bachelor of Science in Biochemistry**, (Second class Honours), **Chulalongkorn University**, Bangkok, Thailand.

## RESEARCH EXPERIENCES

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- 2016-2017 :      **Research Project: Development of Thai version of Odor Identification Test** supported by a research grant, National Research Council of Thailand. (Project Co-Leader)
- 2012-2014 :      **Research Project: Determination of Taste Active components in Thai soup stocks** supported by a research grant, Ajinomoto, Co., Inc., Japan. (Project Leader).
- 2011-2012 :      **Research Project: Benefit of Umami Taste on Saliva Secretion in Thai Elderly** supported by a research grant for Early Career Faculties, Chulalongkorn University. (Project Leader).
- 2010 :              **Postdoctoral research** in Institute for Innovation, Ajinomoto, Co., Inc., Kawasaki, Japan. **Project: Amino acid research and Sensory Evaluation.**
- 2005-2010 :      **Ph.D dissertation** supervised by Prof. Dr. Daniel TOME and Asst. Prof.Dr. Dalila AZZOUT-MARNICHE. Department of Nutrition Physiology and Ingestive Behavior, AgroParisTech, INRA, Paris, France.  
Dissertation Title: **The role of amino acids in liver metabolism under a high protein diet : Identification of amino acids signal and associated transduction pathways.**
- 2003-2004 :      **Master thesis** supervised by Assoc. Prof. Dr. Vichien RIMPHANITCHAYAKIT. Department of Biochemistry, Chulalongkorn University, Bangkok, Thailand.  
Thesis Title: **Mutagenesis of  $\beta$ -Cyclodextrin Glucanotransferase Gene from *Bacillus circulans* A11 that Affects the  $\gamma$ -Cyclodextrin Production.**
- 2002 :              **Senior project** supervised by Asst. Prof. Dr. Kanoktip PACKDIBAMRUN. Department of Biochemistry, Chulalongkorn University, Bangkok, Thailand.  
Senior Project Title: **Purification and Characterization of L-Alanine Dehydrogenase from *Pseudomonas cruciviae*.**
- 2001 :              **Internship** in the unit of Quality Control, C.P. Group, Research and Development of Plant Product, Crop Integration Business Bangkok, Thailand.  
Responsibilities: **Analyze, detect and record the toxic chemical residues and pesticide residues in food and vegetables by Gas Chromatography (GC).**

## RESEARCH INTERESTS

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Amino acid signaling.  
Analysis of umami substances in Thai food and benefit of Umami taste on Saliva secretion.  
Application of Taste and Smell for Better Quality of Life.  
Healthy Food Product Development.

## SCHOLARSHIPS

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**Doctorate Scholarship** issued by the Royal Thai Government for 2004-2009.

**Intensive Program Scholarship** issued by Socrates-ERSAMUS for « **Food and Consumer** », 2006.

## TECHNICAL SKILLS

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Sensory Evaluation, Clinical Study, Primary Mammalian Cell Culture Western Blot, Immunohistochemistry, Real-time PCR, Protein purification.

## PUBLICATIONS AND COMMUNICATIONS

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- Madiloggovit, J., Chotechuang, N., and Trachootham, D. **Impact of self-tongue brushing on taste perception in Thai older adults: A pilot study.** Geriatric Nursing. 2016; 37: 128-136.
- Matsumoto T., Nakamura E., Nakamura H., Hirota M., Gabriel AS., Nakamura KI., Chotechuang N., Wu G., Uneyama H. and Torii K., **The production of free glutamate in milk requires the leucine transporter LAT1.** Am J Physiol Cell Physiol. 2013; 305: C623-C631.
- Chotechuang N., **Taste Active Components in Thai Foods: A Review of Thai Traditional Seasonings.** J Nutr Food Sci. 2012; S10:004. doi: 10.4172/2155-9600.
- Chotechuang N., Azzout-Marniche D., Bos C., Chaumontet C., Gaudichon\* C., and Tomé D., **Down-regulation of the proteasome proteolysis system in response to amino acids and insulin involved the AMPK and mTOR pathways in rat liver hepatocytes.** Amino Acids. 2011; 41: 457-468.
- Chotechuang N., Azzout-Marniche D., Bos C., Chaumontet C., Gausserès N., Steiler T., Gaudichon\* C., and Tomé D., **mTOR, AMPK and GCN2 coordinate the adaptation of hepatic energy metabolic pathways in response to protein intake in the rat.** Am J Physiol Endocrinol Metab 2009; 297: E1313-E1323.
- **Taste active compounds of Asian food.**  
XI Asian Congress of Nutrition, 13-16 July 2011, Singapore. (Speaker).
- **Physiology of the 5<sup>th</sup> basic taste.**  
7<sup>th</sup> Asia Pacific Conference on Clinical Nutrition, 5-8 June 2011, Bangkok, Thailand. (Speaker).
- **Amino acid signaling involved in metabolic regulation and Umami taste.**  
The 1<sup>st</sup> Asian's advanced international Food Conference: Ingredients in Food and Beverage Innovation and Trend Update, 3-5 March 2011, Bangkok, Thailand. (Speaker).
- **The down-regulation of the proteasome proteolysis system in response to amino acids and insulin involved the AMPK and mTOR pathways in rat liver hepatocytes.**  
Experimental Biology Annual Meeting, 24-28 April, 2010 California, USA.(Oral Communication).
- **mTOR, AMPK and GCN2 coordinate the adaptation of hepatic energy metabolic pathways in response to amino acids and insulin.**  
FASEB J., 2009; 23, 228.2, Experimental Biology Annual Meeting, 18 – 22 April, 2009 New Orleans, USA. (Oral Communication).
- **Both stimulation of mTOR and inhibition of GCN2 and AMPK are involved in the stimulation of protein translation in response to high protein diet.** Ann Nutr Metab 2007; 51:62, 10th European Nutrition Conference, July 2007, Paris, France. (Oral Communication).
- **The Pilot Study: Umami Taste induced Saliva Secretion in Thai older adults. The 17<sup>th</sup> International Symposium on Olfaction and Taste (ISOT2016).**
- **mTOR, AMPK and GCN2 coordinate the adaptation of hepatic energy metabolic pathways in response to amino acids and insulin.**  
Biochemical Society Focused Meeting “mTOR signalling Nutrients and Disease”, September 2008, Oxford, United Kingdom. (Poster).
- **Both branched-chain amino acids and insulin are required for the stimulation of translational control in rat primary hepatocyte culture.**  
19<sup>th</sup> International Congress of Nutrition, 4-9 October 2009, Bangkok, Thailand (Poster).
- **AMPK phosphorylation is decreased in response to amino acids and glucose in Caco-2 intestinal cells.** FASEB J, 2007; 21, 289.7, Experimental Biology Annual Meeting, Washington DC, USA. (Poster).

## LANGUAGE SKILLS

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ENGLISH : spoken and written- fluent; FRENCH : spoken and written well;

THAI : spoken and written- fluent

