

Pichmony EK

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Address: FSHN 214, School of Food Science, Washington State University

Education

- 2017-Present **Ph.D student in Food Science**
Dr. Girish Ganjyal's Lab, Washington State University
- 2013 – 2015 **Master of Science in Sustainable Management of Food Quality**
University of Montpellier (France) and University of Basilicata (Italy)
- 2008 – 2013 **Engineering diploma in Chemical engineering and Food technology**
Institute of Technology of Cambodia
- 2009 – 2013 **Bachelor of English**, University of Cambodia

Professional experiences

- May 2017-July 2017 **Freelance Translator**, *United Nations Industrial Development Organization (UNIDO)*
Project: English to Khmer Translation of Codes of Practice for processing of chilled and frozen crabmeat, shrimp, dried shrimp and fish sauce
- Oct 2015- July 2017 **Lecturer and Researcher**, *Department of Chemical engineering and Food technology*,
Institute of Technology of Cambodia.
Teaching subjects: Food processing, Nutrition and Health, Quality Assurance, Heat and Mass transfer
Research projects: Pesticides and chemical contaminants in water in Tonle Sap Lake
Food product development (Soy milk, Fermented soy milk, Okara cookies, etc...)
- Feb-Aug 2015 **Research Student**, *Centre of Biotechnology and Fine Chemistry, Faculty of Biotechnology*,
Catholic University of Portugal, Porto, Portugal.
Research Topic "Effects of convective drying temperature and pretreatments on drying characteristics and some quality attributes of watercress (*Nasturtium officinale*) "
- Jun-Aug 2014 **Research Student**, *Laboratory of Food Nanotechnology and Food emulsion*,
University of Tsukuba, Japan.
Research Topic " Study of formulation and thermal stability of Emulsions with different emulsifiers at storage temperature 80 °C "
- Mar-Jun 2013 **Research Student**, *Ambient air monitoring in Cambodia project, Institute of Technology of Cambodia*
cooperated with Kanazawa University, Phnom Penh, Cambodia.
Research topic for graduation " Air pollutant source appointment study in Phnom Penh "
- July-Sept 2012 **Intern**, *Sustainable Product Innovation project (SPIN), National Cleaner Production Office*.
Worked as a member in a team communicating with and providing technical supports to food SMEs in Cambodia for their product packaging improvement, preparing training materials, conducting trainings

Awards and Achievements

- 2013 - 2015 **Erasmus Mundus Scholar**
Two-year scholarship for Master degree under Erasmus Mundus Action 1 program of European Commission

- 2013 **Bronze medal award in “ National Business Model Competition in Cambodia ”**
Business idea and project “ Food technical consultation for food SMEs in Cambodia ”
- 2012 **Honda Awards for Young Engineers and Scientists in Cambodia (Honda Y-E-S Awards)**
Honda Foundation and Cambodia-Japan Cooperation Center
- Jul-Aug 2011 **Participant in “International Development Design Summit”**
Kumasi, Ghana, organized by D-Lab of Massachusetts Institute of Technology
Group project “Generating income from Moringa, a prototype of Moringa seed sheller”
- 2008-2013 **5-year scholarship award of Royal government of Cambodia**
5-year study of engineering program at Institute of Technology of Cambodia
- 2009-2013 **4-year scholarship award of University of Cambodia**
4-year study of bachelor degree at University of Cambodia

Publications/Conferences

Paper

Pichmony Ek, Ana C. Araújo, Sara M. Oliveira, Inês N. Ramos, Teresa R.S. Brandão, Cristina L.M. Silva (2017). Assessment of nutritional quality and color parameters of convective dried watercress (*Nasturtium officinale*). Journal of Food Processing and Preservation. DOI: 10.1111/jfpp.13459

Presentation

Pichmony Ek, Fidero Kuok, Winarto Kuriniawan, Eden G. Mariquit, Hirofumi Hinode, Chihiro Yoshimura (2017). *Preliminary Study on Chemical Contamination in Tonle Sap Lake, Cambodia*. The 2nd International Symposium on Conservation and Management of Tropical Lakes, 24-26 August 2017, Siem Reap, Cambodia

Poster presentation

Pichmony Ek, Ana C. Araújo, Sara M. Oliveira, Inês N. Ramos, Teresa R.S. Brandão, Cristina L.M. Silva (2015). *Effects of convective air drying temperature on nutritional quality and color of watercress (Nasturtium officinale)*. 29th EFFoST International Conference, 10-12 November 2015, Greece, Athens

Languages and Interests

Languages: Khmer (Native), English, French

Interests: Reading (science, novel, personal development, entrepreneurship), Traveling, Jogging and Yoga