

## CURRICULUM VITAE



**Name:** Ms. Kitiya Suhem

**Education:**

(2006-2010) B.Sc. (Agro-Industry; Food Technology)  
Walailak University, Thailand.  
(2010-2013) M.Sc. (Agro-Industry; Food Science and Technology)  
Walailak University, Thailand  
(2013-present) Studying for Ph.D. degree  
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**Research topics:**

**Master thesis title:**

Application of cold plasmas to extend the shelf life of brown rice cereal for primary school children (2010-2013)

**Ph.D. thesis title:**

Application of essential oils as antifungal agents on the surface of biodegradable cellulose based food packaging made from bamboo fiber (2013- present)

**Adviser:**

Assit. Prof. Dr. Narumol Matan (2010- present)

**Publications:**

**Suhem, K.**, Matan, Na., Matan, Ni., Danworaphong, S., & Aewsiri, T. (2015). Improvement of the antifungal activity of *Litsea cubeba* vapor by using a helium–neon (He–Ne) laser against *Aspergillus flavus* on brown rice snack bars. *International Journal of Food Microbiology*, 215, 157-160.

**Suhem, K.**, Matan, Na., Nisoa, M., & Matan, Ni. (2013). *In vitro* and *in vivo* antifungal activities of various gas species under plasma jet treatment against brown rice cereal spoilage molds. *International Food Research Journal*, 20(2), 947-951.

**Suhem, K.**, Matan, Na., Nisoa, M., & Matan, Ni. (2013). Low pressure RF plasma effects on the mold control, physical quality, nutritional value, mineral content and trace element content of a brown rice snack bar. *Journal of Food and Nutrition Research*, 52(2), 87-94.

- Suhem, K.,** Matan, Na., Nisoa, M., & Matan, Ni. (2012). Inhibition of *Aspergillus flavus* on agar media and brown rice cereal bars using cold atmospheric plasma treatment. *International Journal of Food Microbiology*, 161(2), 107-111.
- Suhem, K.,** Matan, Na., Nisoa, M., & Matan, Ni. (2011). Effect of microwave and sun drying on the quality of red chili. *International Journal of Food Science Technology and Nutrition*, 5(2), 29-40.

**International conferences:**

- Suhem, K.,** Matan, Na., & Matan, Ni. (2015). Antifungal activity of bamboo-based food packaging treated with high temperature in volatile *Litsea cubeba* oil atmospheres. *The NZIFST 50<sup>th</sup> Anniversary Conference*, Palmerston North, New Zealand, 30 June-2 July. (Poster)
- Suhem, K.,** Matan, Na., & Matan, Ni. (2014). Antifungal activity of *Zingibar cassumunar* on bamboo fiber based food packaging. *The 2<sup>nd</sup> International Conference on Agriculture and Agro-Industry*, Chiang Ria, Thailand, 20-21 November. (Oral)
- Suhem, K.,** Matan, Na., & Matan, Ni. (2014). Antimicrobial Activity of the Essential Oil of *Litsea cubeba* on Bamboo Food Packaging and Chemical Composition. *Food Innovation Asia Conference*, Bangkok, Thailand, 12-13 June. (Poster)
- Suhem, K.,** Matan, Na., & Matan, Ni. (2013). Efficacy of Peppermint Oil against *Aspergillus flavus* and *Aspergillus niger* on Paper Made of Bamboo Leaves. *International food safety conference*, Kuala Lumpur, Malaysia, 2-3 December. (Poster)
- Suhem, K.,** Matan, Na., Nisoa, M., & Matan, Ni. (2012). Effects of atmospheric argon plasma, infrared-radiation, and UV-C radiation on the germination of *Aspergillus flavus*. *International Conference on Microbial Taxonomy, Basic and Applied Microbiology*, Khon Kaen, Thailand, 4-6 October. (Oral)
- Suhem, K.,** Matan, Na., Nisoa, M., & Matan, Ni. (2012). The impact of a rice breakfast on the body mass index and grade point average of primary school children in Thailand. *International Conference on Food Science and Nutrition*, Kota Kinabalu, Sabah, Malaysia, 1-4 April. (Oral)
- Suhem, K.,** Matan, Na., Nisoa, M., & Matan, Ni. (2012). Modeling of atmospheric plasma effect on germination of *Aspergillus flavus* based on response surface methodology. *The international workshop on advance plasma technology for green energy and biomedical applications*, Chiangmai, Thailand, 24-26 August. (Poster)
- Suhem, K.,** Matan, Na., Nisoa, M., & Matan, Ni. (2012). Control of *Aspergillus flavus* in brown rice cereal using air plasma jet treatment. *European Symposium on Food Safety*, Warsaw, Poland 21-23 May (Poster).