



Curriculum Vitae

Dr. ANUCHITA MOONGNGARM

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Academic qualifications:

B.Sc.	Animal Science	Khonkaen University	1984
M.Sc.	Food Science	Kasetsart University	1991
Ph.D.	Food Science and Technology	The University of Nebraska-Lincoln, USA	2000

Present research/professional specialty:

Food chemistry, Cereal technology, Dairy product technology, Nutraceutical and Functional foods.

Publications

- Anuchita Moongngarm. 2013. Chemical compositions and resistant starch content in starchy foods. *American Journal of Agricultural and Biological Sciences*, 8 (2): 107-113.
- Patiwit Loypimai, Anuchita Moongngarm. 2013. Utilization of pregelatinized banana flour as a functional ingredient in instant porridge. *Journal of Food Science and Technology*.
- Supap Nontasan, Anuchita Moongngarm, and Sirirat Deeseenthum. 2012. Application of Functional Colorant Prepared from Black Rice Bran in Yogurt. *APCBEE Procedia*. 2: 62-67.
- Anuchita Moongngarm, Natcha Daomukda, and Saowarose Khumpika. 2012. Chemical Compositions, Phytochemicals, and Antioxidant Capacity of Rice Bran, Rice Bran Layer, and Rice Germ. *APCBEE Procedia*. 2: 73-79.
- Nattaya Phattanakulkaewmorie, Tatdao Paseephol, and Anuchita Moongngarm. 2011. Chemical Compositions and Physico-Chemical Properties of Malted Sorghum Flour and Characteristics of Gluten Free Bread. *World Academy of Science, Engineering and Technology*. 81: 454-460.
- Wanussanun Tiboombun, Manatchaya Sungsi-in and Anuchita Moongngarm. 2011. Effect of Replacement of Unripe Banana Flour for Rice Flour on Physical Properties and Resistant Starch Content of Rice Noodle. *World Academy of Science, Engineering and Technology*. 81: 608-611.
- Sirinapa Sasanam, Tatdao Paseephol, Anuchita Moongngarm. 2011. Comparison of Proximate Compositions, Resistant Starch Content, and Pasting Properties of Different Colored Cowpeas (*Vigna unguiculata*) and Red Kidney Bean (*Phaseolus vulgaris*). *World Academy of Science, Engineering and Technology*. 81: 525-529.
- Naruemon Sriwai, Manatchaya Sungsi-in, Anuchita Moongngarm. 2011. Chemical Compositions, Pasting Properties of Gluten Free Bread Flour, and Characteristics of Gluten Free Bread Prepared from Germinated Rice Flour. *World Academy of Science, Engineering and Technology* 81: 786-791.
- Nattaya Phattanakulkaewmorie, Tatdao Paseephol, and Anuchita Moongngarm. 2011. Chemical Composition and Physico-Chemical Properties of Malted Sorghum Flour and Characteristics of Gluten Free Bread. 454-460.
- Anuchita Moongngarm, Nathanon Trachoo and Naraporn Sirigungwan. 2011. Low Molecular Weight Carbohydrates, Prebiotic Content, and Prebiotic Activity of Selected Food Plants in Thailand. *Advance Journal of Food Science and Technology*.
- Anuchita Moongngarm and Ekkaluck Komphiphatkul. 2011. Germination Time Dependence of Bioactive Compounds and Antioxidant Activity in Germinated Rough Rice (*Oryza sativa* L.). *American Journal of Applied Sciences*. 8(1): 15-25.
- Anuchita Moongngarm. 2010. Influence of Germination Conditions on Starch, Physicochemical Properties, and Microscopic Structure of Rice Flour. 2010. *International Conference on Biology, Environment and*



Chemistry. IPCBEE 1: 78-82.

Lalita Payakapol, Anuchita Moongngarm, Natcha Daomukda, Angkana Noisuwan. 2010. Influence of Degree of Milling on Chemical Compositions and Physicochemical Properties of Jasmine Rice. 2010 International Conference on Biology, Environment and Chemistry. IPCBEE 1: 83-86.

Natcha Daomukda, Anuchita Moongngarm, Lalita Payakapol, Angkana Noisuwan. 2011. Effect of Cooking Methods on Physicochemical Properties of Brown Rice 2011 2nd International Conference on Environmental Science and Technology. IPCBEE. 6: v1-1-v1-4.

Anuchita Moongngarm and N. Saetung. 2010. Comparison of chemical compositions and bioactive compounds of germinated, rough rice and brown rice. Food Chemistry. 122; 782-788.

Patiwit Loypimai, A. Moongngarm, P. Chottanom. 2009. Effects of Ohmic Heating on Lipase Activity, Bioactive Compounds and Antioxidant Activity of Rice Bran. Australian Journal of Basic and Applied Sciences, 3(4): 3642-3652.

Jintana Sungsopha, Anuchita Moongngarm, Rumpai Kanesakoo. 2009. Application of Germination and Enzymatic Treatment to Improve the Concentration of Bioactive Compounds and Antioxidant Activity of Rice Bran. Australian Journal of Basic and Applied Sciences, 3(4): 3653-3662.

Akarapol Sirikul, Anuchita Moongngarm and Pheerayos Khaengkhan. 2009. Comparison of proximate compositions, bioactive compounds and antioxidant activity of rice bran and defatted rice bran from organic rice and conventional rice. Asian Journal of Food & Agro-Industry. 2(04):731-743

Nathanon Trachoo, Panomkorn Wechakama, Anuchita Moongngarm, Maitree Suttajit. 2008. Stability of Freeze-Dried *Lactobacillus acidophilus* in Banana, Soybean and Pearl Barley Powders. Journal of Biological Sciences. 8(1): 119-124.

Nathanon Trachoo, Chantelle Boudreaux, Anuchita Moongngarm, Supachai Samappito, Rumpai Gaensakoo. 2006. Effect of Germinated Rough Rice Media on Growth of Selected Probiotic Bacteria. Pakistan Journal of Biological Sciences. 9(14):2657-2661.

Proceedings and Conferences

Piyatida Srijinda, Anuchita Moongngarm, and Tatdao Paseephol
Comparison of Six Different Techniques for Producing Resistant Starch Type III from High Amylose Rice. 2012 International Conference on Life Science and Engineering IPCBEE vol.45.17 IACSIT Press, Singapore.

Panuwat Dangsungnoen, Anuchita Moongngarm, Sirirat Deeseenthum
Comparison of Resistant Starch Content and Survival of *Lactobacillus* spp. on Four Different Sources of Resistant Starch. 2012 International Conference on Life Science and Engineering IPCBEE vol.45.17 IACSIT Press, Singapore.

Anuchita Moongngarm, N. Saetang, A. Kompipatkul, N. Thongdaeng, W. Thiboonbun, W. Chaimontree
Changes in chemical compositions, enzyme activities, physical properties, and antioxidant activity during germination of rough rice. 56TH Australian Cereal Chemistry Conference 10-14 September 2006. Perth, Wa, Australia.

Anuchita Moongngarm, K. Supanpew, M. Chaikaew, U. Srisawai, N. Toonthum, and S. Thongrueng 2006. Preparation of germinated rice extracts using endo-enzymes and potential use as a source of antioxidants. 56 TH Australian Cereal Chemistry Conference 10-14 September 2006. Perth, Wa, Australia.

Anuchita Moongngarm and Vipavadee Phunnongwa. 2005. Bioactive Compounds in colored rice. 50th ICC Jubilee Conference Vienna 2005, Vienna, Austria.

Anuchita Moong-ngarm Nopharat Bootprom, Jiraporn Khunarak. 2004. Comparison of β -Carotene, Total Phenolic, and Antioxidant Activity of Jute Mallow (*Corchorus olitorius* L.) Leaf Tea with Green Teas. 2004 NZIFST Conference Hamilton, New Zealand.

Anuchita Moongngarm, Kittiporn Supunpew, Nattawat saetang, Naowarat khuwajanakul, Pariya Artwichai, Mitree Sutthijit, Nathanon Trachoo. 2004. Bioactive Compounds in Germinated Rice. 5th World Nutra, Sanfrancisco, USA.

Nattawat Saetang and Anuchita Moong-ngarm. 2005. Effect of germination on bioactive compounds in paddy rice. International symposium on functional foods and nutraceuticals. 11-13 June, Mahasarakham, Thailand.

Vipavadee Phannongwa and Anuchita Moong-ngarm. 2005. Bioactive compounds and antioxidant activity in Jute Mallow leaf. International symposium on functional foods and nutraceuticals. 11-13 June, Mahasarakham, Thailand.

Anuchita Chawnua, Randy L. Wehling, and Lloyd B. Bullerman. 2000. Annual Meeting of Association of American Chemists. The Evaluation of 6-Aminoquinolyl-N-Hydroxysuccinimidyl Carbamate (AQC) as a



Derivatizing Reagent for Fumonisin B1 Analysis. Annual Meeting of Association of American Chemists. Kansas City, Kansas USA.

Anuchita Chawnua, Randy L. Wehling, C. Munimbazi, S.H. Chung, and Lloyd B. Bullerman. 2000. Annual Meeting of Association of American Chemists. Kansas City, Kansas USA.

Anuchita Chawnua, R. L. Wehling, . 2000. Annual Meeting of Association of American Chemists. Discrimination of Dried Corn Using Near-Infrared Spectroscopy. Annual Meeting of Association of American Chemists. Kansas City, Kansas USA.