

Orachos Napasintuwong, Ph.D.
Department of Agricultural and Resource Economics
Faculty of Economics, Kasetsart University
Bangkok 10900 Thailand
Ph: 662-942-8649 to 51 ext. 143
Fax: 662-942-8047
Email: orachos.n@ku.ac.th

Academic Background

University of Florida, USA, 1998-2004.
Ph.D. (Food and Resource Economics), May 2004.

Louisiana State University, USA, 1996-1998.
MBA (International Business and Marketing), May 1998.

Mahidol University, Thailand, 1991-1995.
B.Sc. (Biotechnology), March 1995.

Postdoctoral Experience

Graz Schumpeter Centre, University of Graz, Austria. Research Fellow, April–June 2011.

International Agricultural Trade and Policy Center, Food and Resource Economics
Department, University of Florida, USA. July 2004 - September 2005

Research Interests

Economics of Biotechnology, Production Economics, Economics of Agricultural Science and
Technology, and Innovation

Research Projects

- Strengthening European Food Chain Sustainability by Quality and Procurement Policy (Strength2Food) supported by European Commission, 2015-2021.
- Economics of Maize Seed Production in Thailand supported by CIMMYT, 2015-2016.
- Organize the Collection of Maize Germplasm Improvement Research Related Direct Outcomes in Thailand supported by CIMMYT, 2014.
- Initiative on Role of Fertilizer and Seeds in Transforming of Agriculture in Asia supported by International Food Policy Research Institute, 2013.
- Economic and Social Impacts of Genetically Modified Plants in Thailand in collaboration with Thammasat University Economic Research and Training Center supported by National Science, Technology and Innovation Policy Office, 2012-2013.
- Future of Thai Rice: R&D Policy and Strategy in collaboration with Thailand Development Research Institute supported by Thailand Research Fund, 2012-2013.
- The Assessment of Biotechnology and Life Science Business in Thailand, 2010-2011.
- Farmers Acceptance of GM Papaya in Thailand supported by International Foundation of Science, 2008-2010.
- Measuring the Impact of Rockefeller Foundation's Funding for the Development of Drought Tolerant rice in Thailand, supported by Rutgers University, 2008-2010.
- Policy Infrastructure for Long Term Research (2009-2029): Biotechnology at the Micro-macro Level, supported by the National Research Council of Thailand, 2008.
- The Study of Agricultural Biotechnology Benefits in Thailand" supported by CropLife (Thailand), 2006-2008.

Courses Taught

Analysis of Agricultural Production Economics I
Agricultural Production Economics
Economics of Agricultural Innovation
Economics of Agricultural Biotechnology

Editorial Duties

Book review editor: *Asian Journal of Agriculture and Development*, 2015 – present
Book review editor: *Applied Economics Journal*, 2012 – 2015, 2018 - present
Associate editor *Applied Economics Journal*, 2010-2011

Referee/reviewer: *African Journal of Agricultural Research*; *American Journal of Experimental Agriculture*; *Asian Journal of Agricultural Extension, Economics & Sociology*; *Asian Journal of Agriculture and Development*; *International Journal of Agricultural Sciences*; *International Journal of Agricultural Resources, Governance and Ecology*; *Journal of Agricultural Science and Technology*; *Kasetsart University Social Sciences Journal*; *Quarterly Journal of International Agriculture*; *Journal of Agricultural Science and Technology*

Professional Trainings

Workshop on Geographical Indication (and Short Food Supply Chains). May 9, 2018, FAO, Rome, Italy

Seed Industry Program. Cornell University College of Agriculture and Life Sciences and Sathguru. January 22-25, 2018. Hyderabad, India.

Workshop on Productivity and Efficiency Analysis of Agro-ecosystem Data. The International Rice Research Institute. July 13-15, 2016. Los Baños, Philippines.

International Course on Integrated Seed Sector Development. Centre of Development Innovation, Wageningen UR. May 23 – June 10, 2016. Wageningen, the Netherlands.

AsiaGI 2016: An Introduction to Geographical Indications in Asia. Food and Agriculture Organization of the United Nations –FAO Asia Pacific Regional Office. March 28 – April 1, 2016. Bangkok, Thailand.

Regional Training Workshop on Planning and Implementing Contract Farming Operations. Mekong Institute and Food and Agriculture Organization of the United Nations. November 23-26, 2015. Khon Kaen, Thailand.

Training Course on Management of Modern Biotechnology. Asian Institute of Technology. October 9-13, 2006. Pathumthani, Thailand.

Publications

Napasintuwong, O. (2017). Development and competition of hybrid maize seed market in Thailand: The roles of public and private sectors. *Tropical Agriculture*. 94(4): 418-433.

Trang, T.H.T and Napasintuwong, O. (2016). Farmers' willingness-to-change and adoption of aromatic rice in Vietnam. *Journal of International Society for Southeast Asian Agricultural Sciences J. ISSAAS*. 22(2): 50-65.

Myint, P.L. & Napasintuwong, O. (2016). Economic analysis of Paw San rice adoption in Myanmar. *Asian Journal of Agricultural Research*. 10(5): 175-184.
doi:[10.3923/ajar.2016.175.184](https://doi.org/10.3923/ajar.2016.175.184)

Myint, P. L., & Napasintuwong, O. (2015). Cost and return comparison between Paw San rice and non-Paw San rice production in Myanmar, *PSAKU International Journal of Interdisciplinary Research*, 4(2), 78-86.

Ho Trong, P., & Napasintuwong, O. (2015). Profit inefficiency among hybrid rice farmers in

Central Vietnam, *Agriculture and Agricultural Science Procedia*, 5, 89 – 95.
[doi:10.1016/j.aaspro.2015.08.013](https://doi.org/10.1016/j.aaspro.2015.08.013)

- Napasintuwong, O. (2014). Maize seed industry in Thailand: Development, current situation, and prospects. ReSAKSS Policy Note 4. Washington, D.C.: International Food Policy Research Institute (IFPRI). Retrieved from <http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/>
- Napasintuwong, O., & Pray, C. (2014). Adoption of drought-tolerant rice in Thailand: Participatory varietal selection and implications for breeding programs, *Journal of Development and Agricultural Economics*, 6(9), 394-404. doi: 10.5897/JDAE2013.0504
- Poolsawas, S., & Napasintuwong, O. (2013). Farmer innovativeness and hybrid maize diffusion in Thailand”, *International Journal of Agricultural and Extension Education*, 20(2), 51-65.
[doi: 10:5191/jiaee.2013.20204](https://doi.org/10.5191/jiaee.2013.20204)
- Krualee, S., & Napasintuwong, O. (2012). Consumers’ willingness to pay for non-GM food labeling in Thailand, *International Food Research Journal*, 19(4), 1375-1382. Retrieved from <http://www.ifrj.upm.edu.my/19%20%2804%29%202012/11%20IFRJ%2019%20%2804%29%202012%20Napasintuwong%20%28381%29.pdf>
- Napasintuwong, O. (2011). The rise of rice biotechnology, *Farm Policy Journal*, 8(1), 55-65. Retrieved from <http://www.farminstitute.org.au/publications-1/farm-policy-journals/2011-autumn-can-agriculture-maange-a-genetically-modified-future/fpj0801-napasintuwong>
- Pray, C., Nagarajan, L., Li, L., Huang, J., Hu, R., Selvaraj, K.N., Napasintuwong, O., & Chandra Babu, R. (2011). Potential impact of biotechnology on adaption of agriculture to climate change: the case of drought tolerant rice breeding in Asia, *Sustainability*, 3(10), 1723-1741. [doi: 10.3390/su3101723](https://doi.org/10.3390/su3101723)
- Napasintuwong, O. (2010). The role of agricultural biotechnology policies in Thailand’s economy, *Asian Biotechnology and Development Review*, 12(1), 1-19. Retrieved from http://www.ris.org.in/images/RIS_images/pdf/ABDR-march-%202010.pdf
- Napasintuwong, O., & Traxler, G. J. (2009). Ex-ante impact assessment of GM-papaya adoption in Thailand, *AgBioForum*, 12(2), 209-217. Retrieved from <http://www.agbioforum.org/v12n2/v12n2a05-napasintuwong.htm>
- Napasintuwong, O., & Traxler, G.J. (2007). Ex-ante economic evaluation of transgenic plants adoption in Thailand, *Kasetsart University Journal of Economics*, 14(2), 86-102 (in Thai). Retrieved from <http://www.journal.eco.ku.ac.th/upload/document/thai/20081134012534.pdf>
- Napasintuwong O., & Emerson, R.D. (2007). Labor substitutability in labor intensive agriculture and technological change in the presence of foreign labor, *(Thai) Journal of Agricultural Economics*, 26(1), 59-86.

Book Chapter

- Gracen, V.E., Kongsil, P., Napasintuwong, O., Duangjit, J. & Phumichai, C. (2018). *The story of Kasetsart 50: The most important cassava variety in the world*, Center for Agricultural Biotechnology, Kasetsart University, Bangkok/Kamphaeng Saen, Thailand.
- Xie, S., Napasintuwong Artachinda, O., Jun, Y., & Liu, H. (2014). Rice Policy Reviews in China, Thailand and Vietnam: Policy Instruments, Targets and Impacts. In S. Xu (Ed.), *Proceedings of Selected Articles of 2013 World Agricultural Outlook Conference* (pp 117-134). Heidelberg: Springer. [doi: 10.1007/978-3-642-54356-2_11](https://doi.org/10.1007/978-3-642-54356-2_11)
- Napasintuwong, O. (2010). Important questions that plant breeders should not overlook in Isvalanonda, S. Pananurak, P. & Praneetvatakul, S. (Eds.) *Impact Assessment of Agricultural and Agroindustry Researches*, Knowledge Network Institute of Thailand, Bangkok (pp 69-93). (in Thai)

Other reports

- Napasintuwong, O. (2016). CARI-BRIA Exchange Visit on Rice Value Chain in Thailand. Report submitted to Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH. April 2016.

Working Papers

- Napasintuwong, O. (2019). *Rice Economy of Thailand*. ARE Working Paper No. 2019/1. Department of Agricultural and Resource Economics, Faculty of Economics, Kasetsart University, Bangkok. Retrieved from <https://ageconsearch.umn.edu/record/284119?ln=en>

- Napasintuwong, O. (2018). *Rice seed system in Thailand*. ARE Working Paper No. 2018/2. Department of Agricultural and Resource Economics, Faculty of Economics, Kasetsart University, Bangkok. Retrieved from <https://ideas.repec.org/p/kau/wpaper/201804.html>
- Napasintuwong, O. (2012). *Economic impact of research investment in Chainat1 rice variety development*. ARE Working Paper No. 2012/2. Department of Agricultural and Resource Economics, Faculty of Economics, Kasetsart University, Bangkok. (in Thai) Retrieved from <https://ideas.repec.org/p/kau/wpaper/201202.html>
- Napasintuwong Artachinda, O. (2011). *Modeling directions of technical change in agricultural sector*. ARE Working Paper No. 2011/1. Department of Agricultural and Resource Economics, Faculty of Economics, Kasetsart University, Bangkok. Retrieved from <https://ideas.repec.org/p/kau/wpaper/201101.html>

Research Papers

- Napasintuwong, O. (2019). *Growers' participation in maize seed production contracts in Thailand*. Selected paper prepared for the 63rd Australasian Agricultural and Resource Economics Society 63rd (AARES) Annual Conference. February 12-15, 2019, Melbourne, Victoria, Australia Retrieved from <https://ideas.repec.org/p/ags/aare19/283984.html>
- Napasintuwong, O. (2018). *Rice breeding and R&D policies in Thailand*. FFTC Agricultural Policy Articles. Food and Fertilizer Technology Center for the Asian and Pacific Region. Retrieved from http://ap.ffc.agnet.org/ap_db.php?id=859
- Pham, T. N and Napasintuwong, O. (2018). *Farmers' adoption of certified aromatic rice seed in Mekong River Delta, Vietnam*. Selected paper prepared for presentation at the 19th National Graduate Research Conference. March 9, 2018. Khon Kaen University, Thailand.
- Napasintuwong, O. (2017). *Rice economy of Thailand*. Invited paper for presentation at the 100th Indian Economic Association Annual Conference, Guntur, India. December 27-30, 2017.
- Napasintuwong, O. (2017). *The roles of agricultural cooperatives in certification and production of geographical indication rice in Thailand*. Proceeding of the 2017 FFTC-NTIFO International Seminar on Enhancing Agricultural Cooperatives' Roles in Response to Changes in Food Consumption Trends. September 19, 2017. Taipei, Taiwan. Retrieved from http://ap.ffc.agnet.org/ap_db.php?id=793
- Napasintuwong, O. (2017). *Costs and returns of hybrid maize seed production under contracts in Thailand*. Proceedings of the 14th National Seed Conference 2017, Thailand Seed Association, Chumphon, Thailand. May 30 -31, 2017: 1-13.
- Napasintuwong, O. (2015). *Structure of maize seed industry in Thailand*. Invited paper prepared for presentation at the 37th National Corn and Sorghum Research Conference, Pak Chong, Thailand. August 5-7, 2015.
- Napasintuwong, O. (2014). *Seed industry in Thailand: market structure, regulations, policies and prospect*. Contributed paper prepared for presentation at the 18th International Consortium on Applied Bioeconomy Research: Bioeconomy and Development, Nairobi, Kenya. June 18-20, 2014.
- Ho Trong, P. & Napasintuwong, O. (2014). *Profit efficiency of hybrid rice in central Vietnam*. Selected paper prepared for Presentation at the 16th Food Innovation Asia Conference, Bangkok. June 12-13, 2014.
- Tran Hoai Thao, T. & Napasintuwong, O. (2014). *Adoption of aromatic rice in Vietnam*. Selected paper for Presentation at the International Conference on Trends in Multidisciplinary Business and Economics Research, Bangkok. March 27 – 28, 2014.
- Saelee, S. and Napasintuwong, O. (2012). *Trait valuation of hybrid rice in Thailand*. Selected paper prepared for presentation at the 2nd National Rice Conference of Thailand. Bangkok. December 21-23, 2012. (in Thai)
- Napasintuwong, O. (2012). *Survey of recent innovations in aromatic rRice*. Selected paper for presentation at Agarian perspectives XXI and 131st European Association of Agricultural Economists Seminar, Prague. September 18-19, 2012.
- Saelee, S. & Napasintuwong, O. (2012). *Prospect of hybrid rice in Thailand*. Selected poster prepared for presentation at the 6th Hybrid Rice Symposium, Hyderabad. September 10-12, 2012.
- Napasintuwong, O. (2011). *Farmers' acceptance and attitudes of GM papaya in Thailand*. Selected paper prepared for presentation at the 7th Asian Society of Agricultural Economist

- International Conference, Hanoi. October 13-15, 2011.
- Poolsawas, S. & Napasintuwong Artachinda, O. (2011). *An exploration of hybrid maize diffusion in Thailand*. Selected paper for presentation at the 7th Asian Society of Agricultural Economist International Conference, Hanoi. October 13-15, 2011.
- Napasintuwong Artachinda, O. (2010). *Priority setting for agricultural biotechnology research in Thailand*. Selected paper prepared for presentation at the 7th Asian Network for Learning, Innovation, and Competence Building Systems (ASIALICS) International Conference. Taipei, Taiwan. April 15-17, 2010.
- Krualee, S. & Napasintuwong, O. (2010). *Factors determining GM soybean milk acceptance among Bangkok consumers*. Selected paper prepared for presentation at the International Conference on Business and Economic Research. Kuching, Malaysia March 15-16, 2010.
- Akratanakul, P., Kositratan, W., Napasintuwong, O., Patatrapuwadol, S., Chomdech, O., Watcharachaiyakup, J. & Satakul, N. (2009). *Policy infrastructure for long term research (2009-2029): Biotechnology at the micro-macro level*. A report submitted to the National Research Council of Thailand, April 2009 (in Thai).
- Sriwatanapongse, S., Attathorn, S., Napasintuwong, O., Iamsupasit, N. & Traxler, G.J. (2007). *The study of agricultural biotechnology benefits in Thailand*. Biotechnology Alliance Association, Bangkok, March 2007.
- Napasintuwong O. & Emerson, R.D. (2006). *Immigrant workers and technological change in U.S. agriculture: A profit maximization approach of induced innovation*. Selected paper prepared for presentation at the 26th Conference of the International Association of Agricultural Economists. August 2006.
- Walters, L.M., O. Napasintuwong, N. Iwai, & R.D. Emerson. (2006). *The U.S. farm labor market post-IRCA: An assessment of employment patterns, farm worker earnings and legal status*. Selected paper prepared for presentation at the Southern Agricultural Economics Association Annual Meeting, February 2006.
- Napasintuwong O. & Emerson, R.D. (2005). *Institutional and socioeconomic model of farm mechanization and foreign workers*. Selected Paper for presentation at the American Agricultural Economics Association Annual Meeting, July 2005.
- Iwai, N., Napasintuwong, O. & Emerson, R.D. (2005). *Immigration policy and agricultural labor market*. Selected paper prepared for presentation at the American Agricultural Economics Association Annual Meeting. July 2005.
- Iwai, N., Emerson, R.D. & Napasintuwong, O. (2005). *Immigration policy and the agricultural labor market: specialty crops in the United States*. Selected paper prepared for presentation at The World Trade Organization Impacts on U.S. Farm Policy Conference, June 2005.
- Napasintuwong, O. (2003). *Imposing curvature conditions on a Translog profit function*. Teaching and Learning Paper Series TLP03-13 of Food and Resource Economics Department, University of Florida. November 2003.
- Emerson, R.D., Napasintuwong, O., Walters, L.M. & Van Sickle, J. (2003). *Trade adjustment Assistance Reform Act of 2002: Evaluation of Florida impacts*. International Trade and Policy Center, Food and Resource Economics, University of Florida. Submitted to Agency for Workforce Innovation, June 2003.
- Napasintuwong O. & Emerson, R.D. (2003). *Farm mechanization and the farm labor market: A socioeconomic model of induced innovation*. Selected paper prepared for presentation at the Southern Agricultural Economics Association Annual Meeting, February 2003.
- Napasintuwong, O. (2002). *Florida farm workers and technological cChange*. Teaching and Learning Paper Series TLP02-23 of Food and Resource Economics Department, University of Florida, November 2002.
- Napasintuwong, O. & Emerson, R.D. (2002). *Induced innovations and foreign workers in U.S. agriculture*. Selected paper prepared for presentation at the American Agricultural Economics Association Annual Meeting, July 2002.
- Emerson, R.D. & Napasintuwong, O. (2002). *Foreign workers in southern agriculture*. Selected paper prepared for presentation at the Southern Agricultural Economics Association Annual Meeting, February 2002.

Other Professional Experiences

Policy Dialogue on Bioeconomy for Sustainable Development in Southeast Asia. March 28, 2019.
Stockholm Environment Institute, Bangkok.

Executive Program on Alliance for Science Global Leadership Fellows Program, October 8-12, 2018,
College of Agricultural and Life Science, Cornell University.

Access to Seed Index Expert Review Committee – Regional Index for South & Southeast Asia,
December 2017, Hyderabad.

Online Discussion & Real-time Conference, Socioeconomic Considerations on Cartagena Protocol on
Biosafety (Article 26), March – July, 2013.

Fellowship/Honors and Awards

Graduate assistantship, Ph.D. program in Food and Resource Economics Department, University of
Florida, 1998-2004.

Honorable Mention for Outstanding Dissertation by Food and Resource Economics Department,
University of Florida, 2004.

Awards for Academic Achievement by an International Student (GPA 4.0), University of Florida,
1999-2003.

Second Class Honors, B.Sc. (Biotechnology), Mahidol University, Thailand, 1995.

Professional Associations

Agricultural Economic Society of Thailand under Royal Patronage, Executive Committee Member
Asia Pacific Agricultural Policy Forum, Member of Board of Directors
Asian Society for Agricultural Economists
International Society for Southeast Asian Agricultural Sciences