

VANEE CHONHENCHOB

EDUCATION

- Ph.D. Michigan State University, East Lansing, MI
Food Science, Dissertation: Contributions of Amino Acids and Sugars to Color Development in Potato Chips Made from Selected Potato Cultivars, 1997
- M.S. Michigan State University, East Lansing, MI
Packaging, Thesis: A Comparison of Various Packaging Loose Fill Cushioning Materials Based on Protective Performance and Environmental Concerns, 1994
- B.S. Kasetsart University, Bangkok, Thailand
Food Science and Technology, 1990

Academic Honors:

The Ministry of Science and Technology Scholarship, Thailand, 1992-1997

PROFESSIONAL POSITIONS

Board of Directors, International Association of Packaging Research Institutes
Head, Department of Packaging Technology, Kasetsart University, Thailand
Advisor, Thai Packaging Association, Thailand

Professional Honors:

Outstanding Technologist Award, Foundation for the Promotion of Science and Technology under the Patronage of His Majesty the King, Thailand, 2005

PROFESSIONAL EXPERIENCE

- 01/2002 - present ASSISTANT PROFESSOR, Department of Packaging Technology, Kasetsart University, Bangkok, Thailand
- 05/2000 - present ASSISTANT PROFESSOR, Postgraduate Education and Research Development Project in Postharvest Technology, Thailand
- 10/2005 - 12/2006 DIRECTOR, Special Research Unit for Bio-based Materials Innovation for Food Industry, Kasetsart University, Bangkok, Thailand
- 10/2004 - 09/2005 DIRECTOR, Special Research Unit for Packaging of Food and Agricultural Products, Kasetsart University, Bangkok, Thailand
- 11/2003 - 12/2003 VISITING PROFESSOR, Stuttgart University of Applied Science, Stuttgart, Germany
- 03/2001 - 06/2001 VISITING RESEARCH ASSOCIATE, Department of Food Science and Human Nutrition, Michigan State University, East Lansing, MI
- 01/1998 - 12/2001 LECTURER, Department of Packaging Technology, Kasetsart University, Bangkok, Thailand
- 01/1996 - 12/1997 RESEARCH AIDE, Department of Food Science and Human Nutrition, Michigan State University, East Lansing, MI
- 07/1995 - 12/1995 TEACHING ASSISTANT, Department of Food Science and Human Nutrition, Michigan State University, East Lansing, MI

Responsibilities:

TEACHING: Teaching and development of undergraduate courses in packaging operations of agricultural products, food packaging, packaging dynamics, packaging systems and testing. Teaching and developing graduate courses in converting technology in packaging, permeability and products' shelf life, instrumental analysis of packaging materials, and shock and vibration.

RESEARCH: Proposal development for various projects related to food packaging, packaging and distribution of fresh produce, permeability and shelf life of food and fresh produce, distribution measurement and analysis, active packaging film development

INTERNATIONAL PROGRAMS: Gaining experiences in teaching, research, and consultancy for packaging organizations overseas.

PEER REVIEWED PUBLICATIONS IN TECHNICAL JOURNALS

Chonhenchob, V., Chantarasomboon, Y., and Singh, S.P. 2006. Quality changes of fresh-cut tropical fruits in rigid modified atmosphere packaging containers. *Packag. Technol. Sci.* 19: (Published online in Wiley InterScience, DOI: 10.1002/pts.740).

Singh, S.P., **Chonhenchob, V.**, and Singh, J. 2006. Life cycle inventory and analysis of reusable plastic containers and display-ready corrugated containers used for packaging fresh fruits and vegetables. *Packag. Technol. Sci.* 19: (Published online in Wiley InterScience, DOI: 10.1002/pts.731).

Chonhenchob, V. and Singh, S.P. 2005. Packaging performance comparison for distribution and export of papaya fruit. *Packag. Technol. Sci.* 18:125-131.

Chonhenchob, V. and Singh, S. P. 2004. Testing and comparison of various packages for mango distribution. *J. of Testing and Evaluation*, 32(1):69-72.

Chonhenchob, V. and Singh, S. P. 2003. A Comparison of corrugated boxes and reusable plastic containers for mango distribution. *Packag. Technol. Sci.* 16:231-237.

Singh, S.P., **Chonhenchob, V.**, and Burgess, G. 1994. Comparison of various loose fill cushioning materials based on protective and environmental performance. *Packag. Technol. Sci.* 7: 229-241.

CONFERENCE PAPERS IN PROCEEDINGS

Chonhenchob, V., Kamhangwong, D., Krueante, J., Kongrath, G. 2006. Role of Packaging during Growth on Quality improvement of Mango. 15th International Association of Packaging Research Institutes (IAPRI) World Conference on Packaging. October 3-5, 2006. Tokyo, Japan.

Chonhenchob, V., Sittipod, S., Pratheepthinthong, S. Rachtanapun, P., and Singh, S.P. 2006 Measurement and Analysis of Distribution Environment in Thailand: The Case of Produce Distribution, 15th International Association of Packaging Research Institutes (IAPRI) World Conference on Packaging. October 3-5, 2006. Tokyo, Japan.

Chaiwong, S., Leelaphiwat, P., Tippayatum, P., **Chonhenchob, V.**, Chinsirikul, W., Fuongfuchat, A., Kerddonfag, N., Trongsatitkul, T., and Pattarapong, W. 2005. Effect of active film on quality and shelf-life of *Musa* (AA group) "Kluai Khai". 5th National Horticulture Congress. April 27-29, 2005. Chonburi, Thailand

Apichartvorasilp, S., **Chonhenchob, V.**, and Harte, B.R. 2005. Effect of polymeric films and modified atmosphere packaging on quality of fresh-cut mangoes. The proceedings of 43rd Kasetsart University Annual Conference. February 1-4, 2005. Bangkok, Thailand.

Deepadung, d. Intawiwat, N., and **Chonhenchob, V.** 2005. Distribution package systems for mangoes. The proceedings of 43rd Kasetsart University Annual Conference. February 1-4, 2005. Bangkok, Thailand.

Chonhenchob, V. and Singh, S. P. 2004. Packaging Systems for papaya for local and export markets. International Association of Packaging Research Institutes (IAPRI) 2004 World Conference on Packaging. June 13-16, 2004. Stockholm, Sweden.

Chonhenchob, V. and Silayoi, P. 2002. Comparison of various packages for mango distribution in Thailand. WorldPak 2002. June 23-28, 2002, East Lansing, Michigan, USA.

Chonhenchob, V. 2001. Characterization of polyphenol oxidase from mango. The 20th ASEAN/2nd APEC Seminar on Postharvest Technology. September 11-14, 2001, Lotus Pang Suan Kaew Hotel, Chiang Mai, Thailand.

Chonhenchob, V. Chantarasomboon, Y., and Singh, S.P. 2005. Quality changes of treated fresh-cut tropical fruits in rigid modified atmosphere packaging. 22nd International Association of Packaging Research Institutes Symposium. May 23-25, 2005. Campinas, Brazil.

COURSEBOOKS AND OTHER PUBLICATIONS

Chonhenchob, V. 2006. Permeability of Packaging Materials, Kasetsart University, Bangkok, Thailand

Chonhenchob, V. 2006. Packaging Operations of Agricultural Products, Kasetsart University, Bangkok, Thailand

Chonhenchob, V. 2006. Packaging of Fresh Commodities (e-course), Postgraduate Education and Research Development Project in Postharvest Technology, Thailand

Chonhenchob, V. 2006. Produce packaging trends and solutions in *Packaging Directory Thailand 2006*, The Thai Packaging Association, Bangkok, Thailand.

Singh, S.P. and **Chonhenchob V.** 2005. RFID-Emerging packaging technology in the produce industry in *Packaging Directory Thailand 2005*, The Thai Packaging Association, Bangkok, Thailand.

Chonhenchob, V. 2004. Active packaging for food and fresh produce. Thai Packaging Newsletter. 14: 47-49.

PACKAGING PROJECTS:

- Active packaging of tropical fresh produce and fresh-cut products
- Database development of packaging recommendations for tropical fresh produce
- Evaluating performance of reusable plastic containers for tropical fruits in South East Asian market
- South East Asia truck transport vibration measurement
- South East Asia rail transport vibration measurement
- Development of packaging systems for damage reduction of tropical produce
- Development of simulated methods for distribution of tropical produce
- Development of antimicrobial packaging films