

Curriculum Vitae

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Position: Researcher, Practitioner Level
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EDUCATION

2022 Ph.D. (Postharvest Technology) (International Program), King Mongkut's University of Technology Thonburi
2014 M.Sc. (Postharvest Technology) (International Program), King Mongkut's University of Technology Thonburi
2011 B.Sc. (Agricultural Science), Mahidol University Kanchanaburi Campus

PROFESSIONAL EXPERIENCE

2024 - present Scientific Equipment and Research Division, Kasetsart University, Thailand

AREA OF EXPERTISE

- Active packaging
- Natural antimicrobial substances and their applications
- Postharvest technology and physico-chemical properties of fruits and vegetables

RESEARCH GRANT

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PUBLICATIONS

1. **Cholmaitri, C.**, Uthairatanakij, A., Laohakunjit, N., and Jitareerat, P., 2024, Rice Husk-Methyl Salicylate (RH-MeSA) Sachet for Maintaining the Quality of 'Namwa' Bananas During Stimulated Export, Journal of Food Measurement and Characterization, 18(4): 1-12.

2. **Cholmaitri, C.**, Jenjob, A., Uthairatanakij, A., Jitareerat, J., and Laohakunjit, N., 2024, Extending Storage-life of Jackfruit cv. Thong Ploy using Aminoethoxyvinylglycine, *Agricultural Science and Innovations Journal*, 55(1):156-159.
3. Uthairatanakij, A., Laohakunjit, N., Jitareerat, P., **Cholmaitri, C.** and Golding, J., 2023, Green Technology for Reducing Postharvest Losses and Improve Nutritional Quality of Fresh Produces, In Kahramanoglu, I. (Ed.), *New Advances in Postharvest Technology*, IntechOpen.
4. Sapbua, D. and **Cholmaitri, C.**, 2022, Torch Ginger (*Etilingera elatior* (Jack) R.M. Smith.) Tea and the Effects of Brewing Time on Color, Volatile Compounds, Chemical Compositions and Sensory Quality, *Journal of Food Health and Bioenvironmental Science*, 15(2): 51-58.
5. **Cholmaitri, C.**, Uthairatanakij, A., Laohakunjit, N., Jitareerat, P. and Mingvanish W., 2022, Controlled Release Sachet of Methyl Salicylate from Rice Husk Absorbents for Delayed Ripening in 'Namwa' Bananas, *Food Packaging and Shelf Life*, 32: 100861.
6. **Cholmaitri, C.**, Uthairatanakij, A., Laohakunjit, N., Bhandari, B.R., 2021, Encapsulation of Fruit Ripening Controlling Compounds, In: *Functionality of Cyclodextrins in Encapsulation for Food Applications*, Ho, T.M., Yoshii, H., Terao, K., Bhandari, B.R. (Eds), Springer, Cham.
7. **Cholmaitri, C.**, Uthairatanakij, A., Laohakunjit, N., Jitareerat, P. and Mingvanish W., 2020, Controlled Release of Methyl Salicylate by Biosorbents Delays the Ripening of Banana Fruit, *PeerJ Materials Science*, 2: e12.
8. Uthairatanakij, A., **Cholmaitri, C.**, Aiamla-or, S. and Jitareerat P., 2018, Gamma Irradiation as Phytosanitary Treatment for Red Flesh Dragon Fruit, *Acta Horticulturae*, 1210: 145-150.
9. **Cholmaitri, C.**, Sripong, K., Mola, S., Jenjob, A., Jitareerat, P. and Uthairatanakij, A., 2018, Spraying 6-Benzylaminopurine Affecting the Postharvest Quality of Dragon Fruits, *Agricultural Science Journal*, 49(2): 5-8.
10. Puangnim, S., Jenjob, A., Molar, S., **Cholmaitri, C.**, Jitareerat, P. and Uthairatanakij, A., 2018, Effect of Red and Blue Light on the Growth and Quality of Organic Radish Sprout, *Agricultural Science Journal*, 49(2): 669-672.
11. Aiamla-or, S., Uthairatanakij, A., Jitareerat, P., Pasanphan, W. and **Cholmaitri, C.**, 2018, Effect of Nano Chitosan Solution in Combination with Gamma Irradiation on Postharvest Physiology of Mangoes cv. 'Nam Dok Mai No. 4' with Gamma Irradiation, *Agricultural Science Journal*, 49(2): 209-212.

12. **Cholmaitri, C.**, Aiamla-Or, S., Sampanvejsobha, S. and Uthairatanakij, A., 2016, Development Noodles from Partial Substitution of Banana Powder, *Agricultural Science Journal*, 47(2): 429-432.
13. Uthairatanakij, A., Sribunpheng, K., **Cholmaitri, C.** and Jitareerat, P., 2015, Effect of 1-MCP Combined with Micro-bubble on Quality of Dendrobium ‘Big White Jumbo’ Inflorescence, *Agricultural Science Journal*, 46(3): 789-792.
14. **Cholmaitri, C.**, Kerdchoechuen, O., Jitareerat, P., Wongs-Aree, C. and Uthairatanakij, A., 2014, Effect of Commercial Kaolin Spraying on Physiological Changes of Mango Tree cv. ‘Nam Dok Mai No.4’, *Agricultural Science Journal*, 45(2): 289-292.
15. **Cholmaitri, C.**, Kerdchoechuen, O., Jitareerat, P., Wongs-Aree, C. and Uthairatanakij, A., 2013, Effect of Kaolin Clay on the Quality of Mango Fruits cv. ‘Nam Dok Mai No.4’, *Agricultural Science Journal*, 44(2): 389-392.
16. **Cholmaitri, C.**, Jitareerat, P. and Uthairatanakij, A., 2011, Browning Inhibition of Organic Baby Corn Using Ascorbic Acid and Its Derivatives, *Agricultural Science Journal*, 42(2): 529-532.

CONFERENCE PRESENTATIONS

1. Cholmaitri, C., Jenjob, A., Uthairatanakij, A., Jitareerat, J., and Laohakunjit, N., Application of Rice Husks as Adsorbent for Controlling Release of Methyl Salicylate Compound on the Postharvest Quality of ‘Namwa’ Banana Fruit. The 21st National Postharvest Technology Conference (NPHT21) during 4-5 July 2024, KX Building (Knowledge Exchange for Innovation Center), King Mongkut’s University of Technology Thonburi, Bangkok, Thailand.
2. Cholmaitri, C., Jenjob, A., Uthairatanakij, A., Jitareerat, J., and Laohakunjit, N., Extending Storage-life of Jackfruit cv. Thong Ploy using Aminoethoxyvinylglycine. The 20th National Postharvest Technology Conference (NPHT20) during 10-11 August 2023, Pullman Khon Kaen Raja Orchid Hotel, Khon Kaen, Thailand.
3. Cholmaitri, C., Sripong, K., Mola, S., Jenjob, A., Jitareerat, P. and Uthairatanakij, A., Spraying 6-Benzylaminopurine Affecting the Postharvest Quality of Dragon Fruits. The 11th Conference on Research and Development of Tropical and Sub-tropical Crops (CRDC) during 3-4 August 2017, Hotel Windsor Suites, Bangkok, Thailand.

4. Cholmaitri, C., Kerdchoechuen, O., Jitareerat, P., Wongs-Aree, C. and Uthairatanakij, A., Effect of Commercial Kaolin Spraying on Physiological Changes of Mango Tree cv. 'Nam Dok Mai No.4'. The 8th Conference on Research and Development of Tropical and Sub-tropical Crops (CRDC) during 21-23 July 2014, University of the Thai Chamber of Commerce (UTCC), Bangkok, Thailand.

AWARD

1. The best poster presentation 'Extending Storage-life of Jackfruit cv. Thong Ploy using Aminoethoxyvinylglycine', The 20th National Postharvest Technology Conference (NPHT20) during 10-11 August 2023, Pullman Khon Kaen Raja Orchid Hotel, Khon Kaen, Thailand.
2. The best oral presentation 'Spraying 6-Benzylaminopurine Affecting the Postharvest Quality of Dragon Fruits', The 11th Conference on Research and Development of Tropical and Sub-tropical Crops (CRDC) during 3-4 August 2017, Hotel Windsor Suites, Bangkok, Thailand.
3. The best oral presentation 'Effect of Commercial Kaolin Spraying on Physiological Changes of Mango Tree cv. Nam Dok Mai No.4', The 8th Conference on Research and Development of Tropical and Sub-tropical Crops (CRDC) during 21-23 July 2014, University of the Thai Chamber of Commerce (UTCC), Bangkok, Thailand.