

## Associate Prof. Amporn Sane

Packaging and Materials Technology Department, Faculty of Agro-Industry, Kasetsart University

Tel: 66-2562-5099 Email: amporn.s@ku.ac.th

---

### Education

Ph.D. (Chemical Engineering), Clemson University, USA

M.S. (Chemical Engineering), University of South Carolina, USA

วท.บ. (วิทยาศาสตร์และเทคโนโลยีการอาหาร), มหาวิทยาลัยเกษตรศาสตร์, ประเทศไทย

### Expertise

Bio-Based/Synthetic Polymer Blends and Nanocomposites, Nanoparticle Formation and Nano-Encapsulation, Supercritical Fluid Processes

### Selected Works

1. Yimnak, K., Thipmanee, R., Sane, A. 2020. Poly(butylene adipate-co-terephthalate)/thermoplastic starch/zeolite 5A films: Effects of compounding sequence and plasticizer content. *International Journal of Biological Macromolecules* 164, pp. 1037-1045
2. Suwanamornlert, P., Kerddonfag, N., Sane, A., (...), Zhou, W., Chonhenchob, V. 2020. Poly(lactic acid)/poly(butylene-succinate-co-adipate) (PLA/PBSA) blend films containing thymol as alternative to synthetic preservatives for active packaging of bread. *Food Packaging and Shelf Life* 25,100515
3. Huntrakul, K., Yoksan, R., Sane, A., Harnkarnsujarit, N. 2020. Effects of pea protein on properties of cassava starch edible films produced by blown-film extrusion for oil packaging. *Food Packaging and Shelf Life* 24,100480
4. Khan, M.R., Chinsirikul, W., Sane, A., Chonhenchob, V. 2020. Combined effects of natural substances and modified atmosphere packaging on reducing enzymatic browning and postharvest decay of longan fruit. *International Journal of Food Science and Technology* 55(2), pp. 500-508
5. Suyaksa, S., Kamonpatana, P., Kerddonfag, N., Sane, A., Chonhenchob, V. 2020. Development of conductive packaging for beverage processing by ohmic heating. *Key Engineering Materials* 861 KEM, pp. 213-217
6. Garalde, R.A., Thipmanee, R., Jariyasakoolroj, P., Sane, A. 2019. The effects of blend ratio and storage time on thermoplastic starch/poly(butylene adipate-co-terephthalate) films. *Heliyon* 5(3),e01251

7. Pattanayaiying, R., Sane, A., Photjanataree, P., Cutter, C.N. 2019. Thermoplastic starch/polybutylene adipate terephthalate film coated with gelatin containing nisin Z and lauric arginate for control of foodborne pathogens associated with chilled and frozen seafood. *International Journal of Food Microbiology* 290, pp. 59-67
8. Khan, M.R., Chinsirikul, W., Sane, A., Chonhenchob, V. 2019. Thymol fumigation in combination with modified atmosphere packaging as an alternative to SO<sub>2</sub> treatment on the decay prevention and pericarp browning of longan fruit. 21st IAPRI World Conference on Packaging 2018 - Packaging: Driving a Sustainable Future pp. 452-458
9. Suwanamornlert, P., Sangchote, S., Chinsirikul, W., Sane, A., Chonhenchob, V. 2018. Antifungal activity of plant-derived compounds and their synergism against major postharvest pathogens of longan fruit in vitro. *International Journal of Food Microbiology* 271, pp. 8-14
10. Vanit, S., Sane, A., Yoksan, R., Jinkarn, T. 2018. Effect of heat treatment temperature on properties of electrospayed paperboard. *Packaging Technology and Science* 31(2), pp. 61-69