

Dr. Piyawanee Jariyasakoolroj

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Education

Ph.D. (Polymer Science), The Petroleum and Petrochemical College, Chulalongkorn University, Thailand

วท.บ (เทคโนโลยีกระบวนการทางเคมีและฟิสิกส์), Kasetsart University, Thailand

Expertise

พลาสติกย่อยสลายได้ทางชีวภาพ, ฟิล์มคลุมดินเพื่อระบบนิเวศ, การตัดแปรรูปร่างพลาสติกสตาร์ชด้วย แอล-แลคไทด์ด้วยเทคนิค in situ ring opening polymerization

Selected Works

1. Tarnlert, W., Tansin, K., Jariyasakoolroj, P. 2021. Poultry eggshell effects on microporous poly(lactic acid)-based film fabrication for active compound-releasing sachets. *Polymer Bulletin*
2. Jariyasakoolroj, P., Leelaphiwat, P., Harnkarnsujarit, N. 2020. Advances in research and development of bioplastic for food packaging. *Journal of the Science of Food and Agriculture*100(14), pp. 5032-5045
3. Jariyasakoolroj, P., Rojanaton, N., Jarupan, L. 2020. Crystallization behavior of plasticized poly(lactide) film by poly(l-lactic acid)-poly(ethylene glycol)-poly(l-lactic acid) triblock copolymer. *Polymer Bulletin*77(5), pp. 2309-2323
4. Jariyasakoolroj, P., Tashiro, K., Chinsirikul, W., Kerddonfag, N., Chirachanchai, S. 2019. Microstructural Analyses of Biaxially Oriented Polylactide/Modified Thermoplastic Starch Film with Drastic Improvement in Toughness. *Macromolecular Materials and Engineering*304(9),1900340
5. 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
6. Sukodom, N., Jariyasakoolroj, P., Jarupan, L., Tansin, K. 2019. Mechanical, thermal, and biodegradation behaviors of poly(vinyl alcohol) biocomposite with reinforcement of oil palm frond fiber. *Journal of Material Cycles and Waste Management*21(1), pp. 125
7. Zhang, K., Kim, S.Y., Jariyasakoolroj, P., Chirachanchai, S., Choi, H.J. 2017. Stimuli-response of chlorosilane-functionalized starch suspension under applied electric fields. *Polymer Bulletin*74(3), pp. 823-837