

## CURRICULUM VITAE



**Name:** Mr. Jirawut Junkasem

**Date of Birth:** September 11, 1977

**Nationality:** Thai

**University Education:**

1995-1999 Bachelor Degree of Chemical Engineering, Faculty of Engineer, Khon Kaen University, Khon Kaen, Thailand

2001-2003 Master Degree of Polymer Science, Petroleum and Petrochemical College, Chulalongkorn University, Bangkok, Thailand

**Working Experience:**

1999-2000 Position: Engineer

Company name: The Ministry of Industry

**Publications:**

1. Supaphol, P., Thanomkiat, P., Junkasem, J., and Dangtungee, R. (2007) Non-Isothermal Melt-Crystallization and Mechanical Properties of Titanium (IV) Oxide Nanoparticle-Filled Isotactic Polypropylene. Polymer Testing, 26(1), 20-37.
2. Taepaiboon, P., Junkasem, J., Dangtungee, R., Amornsakchai, T., and Supaphol, P. (2006) In Situ Microfibrillar-Reinforced Composites of Isotactic Polypropylene/ Recycled Poly(ethylene terephthalate) System and Effect of Compatibilizer. Journal of Applied Polymer Science, 102(2), 1173-1181.
3. Junkasem, J., Rujiravanit, R., and Supaphol, P. (2006) Fabrication of Alpha-Chitin Whisker-Reinforced Poly(vinyl alcohol) Nanocomposite Nanofibers by Electrospinning. Nanotechnology, 17(17), 4519-4528.
4. Junkasem, J., Menges, J., and Supaphol, P. (2006) Mechanical Properties of Injection-Molded Isotactic Polypropylene/Roselle Fiber Composites. Journal of Applied Polymer Science, 101(5), 3291-3300.
5. Wanwanichai, P., Junkasem, J., Saimaneewong, B., Mahasan, R., Tantivess, P., Magaraphan, R., Vanichvarakij, Y., Petiraksakul, P., and Supaphol, P. (2005) Sheet-Cast Poly(methyl methacrylate): One-Step (Water) versus Two-Step (Water-Air) Isothermal Processes. Iranian Polymer Journal, 14(1), 61-69.

6. Supaphol, P., Charoenphol, P., and Junkasem, J. (2004) Effects of Nucleating Agents on Crystallization and Melting Behavior and Mechanical Properties of Nucleated Syndiotactic Poly(propylene). Macromolecular Materials and Engineering, 289(9), 818-827.
7. Supaphol, P., Harnsiri, W., and Junkasem, J. (2004) Effects of Calcium Carbonate and Its Purity on Crystallization and Melting Behavior, Mechanical Properties, and Processability of Syndiotactic Polypropylene. Journal of Applied Polymer Science, 92(1), 201-212.

**Proceedings:**

1. Junkasem, J., Grady, B.P., Rujiravanit, R., and Supaphol, P. (2008) Dynamic Mechanical Properties Of  $\alpha$ -Chitin Whisker-Reinforced Poly(Vinyl Alcohol) Nanocomposite Nanofibers.
2. Junkasem, J. and Supaphol, P. (2008) Mechanical Properties of Electrospun Nylon 4,6 Reinforced Poly (vinyl Alcohol) Composite.

**Presentations:**

1. Junkasem, J., Menges, J., and Supaphol, P. (2005) Effects of Composition and Size of Roselle Fibers on Mechanical Properties of Roselle/Polypropylene Composites. Paper presented at Abstracts of the 6th RGJ - PhD Congress, Chonburi, Thailand.
2. Junkasem, J., Menges, J., and Supaphol, P. (2004) Effects of Composition and Size of Roselle Fibers on Mechanical Properties of Roselle/Polypropylene Composites. Poster presented at Smart/Intelligent Materials and Nanotechnology, Chiang Mai, Thailand.